Maharshi Karve Stree Shikshan Samstha's

Cummins College of Engineering for Women

(an autonomous institute affiliated to Savitribai Phule Pune University)

Karvenagar, Pune - 411 052.

Ref : CCEW/AC/6/204-25 Date : 14th May, 2024

The meeting of the Academic Council of MKSSS's Cummins College of Engineering for Women was conducted on 8th May, 2024 at 2.00 p.m. in the Conference Hall (3rd Floor) of the Mechanical Building of MKSSS's Cummins College of Engineering for Women, Pune.

(i) The following Academic Council members were present for the meeting in person.

(01) Dr. Madhuri Khambete
(02) Dr. Kalyani Joshi
(03) Dr. Sunil Thakre
(04) Dr. Nilesh Powar
(05) Dr. Anand Bewoor
(06) Dr. Sharada Ohatkar
(07) Dr. Dipali Ramdasi
(08) Dr. Anagha Kulkarni
(09) Dr. Ajit Bhosale
(10) Dr. Madhuri Purandare
(11) Dr. Ashok Khedkar
(12) Dr. Prachi Mukherji
(13) Dr. Anita Patil
(14) Prof. Hitendra Khairnar
(15) Prof. Amit Rajurkar

(ii) The following Academic Council members attended the meeting online using Google Meet.

(16) Dr. B.B. Ahuja
(17) Dr. Bhalchandra Puranik

(iii) The following Academic Council members communicated their inability to attend the meeting.

(18) Dr. Sunita Jahirabadkar (On duty)
(19) Dr. Dipti Patil (On duty)
(20) Dr. Sandeep Musale
(21) Mr. Ajay Deshmukh

Their absence was approved by the Academic Council.

Principal Dr. Madhuri Khambete welcomed all the Academic Council members present for the meeting in person or online.

The following points were discussed and decisions were taken in the meeting:

Point No. 1] To confirm the minutes of the previous Academic Council meeting held on 29.11.2023.

Discussion : Dr. Anand Bewoor presented the Minutes of the previous Academic Council Meeting.

Decision : Minutes of the previous Academic Council meeting held on 29.11.2023 were confirmed.

Point No. 2] To discuss & approve the action taken report of the previous Academic Council meeting held on 29.11.2023.

Decision : The approval is granted for the action taken report of the previous Academic Council meeting held on 29.11.2023.

Point No. 3] To discuss & approve the syllabus as per the approved curriculum structure of S.Y. BTech Sem.-I.

1) Electronics &Telecommunications Engineering
2) Computer Engineering
3) Instrumentation & Control Engineering
4) Information Technology [with newly proposed Multidisciplinary Minor Courses]
5) Mechanical Engineering

Point No. 3(I)] Electronics & Telecommunications Engineering

Discussion : Dr. Sharada Ohatkar, Chairman, BoS, E&TC presented the syllabi for the following courses as per the approved curriculum structure of S.Y. B.Tech. Electronics and Telecommunication Engineering (Sem-I) to be offered from the A.Y. 2024-25.

Course Code	Course Title	Teaching Scheme Hours / Week			Cr	Examination Scheme			Total Marks
		L	T	P		ISE	ESE	Pr/Or	
23PCEC301	Electronic Circuits and Applications	3	0	0	**3**	50	50	0	**100**
23PCEC302	Signals and Systems	2	1	0	**3**	50	50	0	**100**
23PCEC303	Digital Electronics	3	0	0	**3**	50	50	0	**100**
23PCEC304	Data Structures and Algorithms	3	0	0	**3**	50	50	0	**100**
23OE301	Open Elective-I	3	0	0	**3**	50	50	0	**100**
23VEC301	Universal Human Values	2	1	0	**3**	50	50	0	**100**
23AEC401	Design Thinking	1	1	0	**2**	50	0	0	**50**
23PCE301L	Electronic Circuits and Applications Lab.	0	0	2	**1**	0	0	25	**25**
23PCEC303L	Digital Electronics Lab.	0	0	2	**1**	25	0	25	**50**
23PCEC304L	Data Structures and Algorithms Lab.	0	0	2	**1**	0	0	25	**25**
	Total	**17**	**03**	**06**	**23**	**375**	**300**	**75**	**750**

Suggestion 3(I): It was suggested to include a Tutorial for the Signals and Systems Course in Second Year Semester-III.

Decision 3(I):

(i) It was decided to include a tutorial for the Signals and System. The modified teaching scheme is Lecture – 2, Tutorial – 1 & Practical – 0. Instead of Lecture - 3, Tutorial – 0 and practical – 0. It is decided to modify syllabus contents accordingly.

(ii) Course contents & course outcomes of remaining courses were approved.

Point No. 3(II)] Computer Engineering

Discussion 3(II): (i) Prof. Aparna Hajare, presented the syllabi for the following courses as per the approved curriculum structure of S.Y. B.Tech. Computer Engineering (Sem-I) to be offered from the A.Y. 2024-25.

Second Year | Semester-III									
Course Code	**Course Title**	**Teaching Scheme Hours/Week**			**Cr**	**Examination Scheme**			**Total Marks**
		L	**T**	**P**		**ISE**	**ESE**	**Pr/Or**	
23PCCE301	Database Management Systems	3	0	0	3	50	50	00	100
23PCCE302	Data Structures	3	0	0	3	50	50	00	100
23PCCE303	Digital Systems and Computer Organization	3	0	0	3	50	50	00	100
23PCCE304	Discrete Mathematics and Statistics	3	0	0	3	50	50	00	100
23OE301	Open Elective-I	3	0	0	3	50	50	00	100
23VEC301	Universal Human Values	2	1	0	3	50	50	00	100
23AEC301	Design Thinking	1	1	0	2	50	00	00	50
23PCCE301L	Database Management Systems Laboratory	0	0	2	1	25	00	00	25
23PCCE302L	Data Structures Laboratory	0	0	4	2	25	00	25	50
	Total	**18**	**02**	**06**	**23**	**400**	**300**	**25**	**725**

Discussion 3(II): (ii) Prof. Aparna Hajare, proposed changes in teaching scheme of two courses i.e. 'Operating Systems' & 'Microprocessor and Microcontroller' to be offered in IVth Semester.

Previous Approved Teaching Scheme									
Second Year | Semester-IV									
Course Code	**Course Title**	**Teaching Scheme Hours/Week**			**Cr**	**Examination Scheme**			**Total Marks**
		L	**T**	**P**		**ISE**	**ESE**	**Pr/Or**	
23PCCCE402	Microprocessor and Microcontroller	3	0	0	3	50	50	0	100
23PCCCE402L	Microprocessor and Microcontroller Lab.	0	0	2	1	0	0	25	25
23PCCE403	Operating Systems	2	0	0	2	50	00	00	50

Proposed modified Teaching Scheme for above courses									
Second Year | Semester-IV									
Course Code	**Course Title**	**Teaching Scheme Hours/Week**			**Cr**	**Examination Scheme**			**Total Marks**
		L	**T**	**P**		**ISE**	**ESE**	**Pr/Or**	
23PCCE402	Microprocessor and Microcontroller	2	0	0	2	50	0	0	50
23PCCE403	Operating Systems	3	0	0	3	50	50	0	100
23PCCE403L	Operating Systems Laboratory	0	0	2	1	25	0	25	50

Decision 3(II): (i) The course outcomes and course contents of the Ist Semester of S.Y. courses were approved by the Academic Council Members.

(ii) Proposed modified teaching scheme of courses 'Operating systems' and 'Microprocessor & Microcontroller' were approved by the Academic Council Members.

Point No. 3(III)] Instrumentation & Control Engineering

Discussion 3(III): Dr. Dipali Ramdasi, Chairman, BoS, Instrumentation & Control Engineering presented the syllabi for the following courses as per the approved curriculum structure of S.Y. B.Tech. in Instrumentation & Control Engineering (Sem-I) to be offered from the A.Y. 2024-25.

Second Year | Semester-III										
Course Code	**Course Title**	**Teaching Scheme Hours/Week**			**Examination Scheme**				**Marks**	**Credits**
		L	**T**	**P**	**ISE**	**ESE**	**Pr.**	**Or.**		
23PCIN301	Analog and Digital Electronics	3	1	0	50	50	0	0	100	4
23PCIN302	Sensors and Transducers	3	0	0	50	50	0	0	100	3
23PCIN303	Fundamentals of Computer Networks	3	0	0	50	50	0	0	100	3
23PCIN304	Applied Maths: Transforms & Statistics	3	0	0	50	50	0	0	100	3
23OE301	Open Elective-I*	3	0	0	50	50	0	0	100	3
23VEC301	Universal Human Values (Value Education Course)	2	1	0	50	50	0	0	100	3
23AEC301	Design Thinking (Ability Enhan-cement Course)	1	1	0	50	0	0	0	50	2
23PCIN301L	Analog and Digital Electronics Lab	0	0	2	25	0	25	0	50	1
23PCIN302L	Sensors and Transducers Lab	0	0	2	25	0	25	0	50	1
	Total =	**18**	**3**	**4**	**375**	**325**	**50**	**0**	**750**	**23**

Discussion 3(III): (i) Dr. Kalyani Joshi suggested adding a mini project as an Open-Ended Assignment for the course 23PCIN302L 'Sensors and Transducers Lab.'

(ii) Dr. Kalyani Joshi suggested to change the teaching scheme of the course 23PCIN304 Applied Mathematics from 3L to 2L+ 1T.

(iii) Dr. Madhuri Purandare suggested reframing Course Outcome 1 of the course 23PCIN304 Applied Mathematics to map the contents of Unit 1 effectively.

(iv) Academic Council members suggested changing the course title of 23PCIN402 Microcontroller Techniques and its associated lab to Microcontrollers.

(v) Dr. Kalyani Joshi suggested adding a Mini project/ open-ended assignment dealing with the analysis of data collected from real-life examples/applications for the course 23VSECIN401 Excel Programming.

Decision 3(III):

(i) It is decided to add a mini project/open-ended assignment for the course 23PCIN302L Sensors and Transducers Lab.

(ii) It is decided to change the teaching scheme of the course 23PCIN304 Applied Mathematics from 3 Hrs. Lectures to 2 Hrs. Lectures + 1 Hrs. Tutorial.

It is decided to reframe Course Outcomes of the course 23PCIN304 Applied Mathematics.

(iii) It is decided to change the course title of 23PCIN402 'Microcontroller Techniques' and its associated lab to 'Microcontrollers'.

(iv) It is decided to add a Mini-project/Open-ended assignment dealing with the analysis of data collected from real-life examples/applications for the course 23VSECIN401 Excel Programming.

(v) The course outcomes and course contents of the remaining courses were approved for the SY BTech Instrumentation and Control Engineering.

Point No. 3(IV)] Information Technology

Discussion 3(IV): Dr. Anagha Kulkarni, Chairman, BoS, Information Technology presented the Syllabi for the following courses as per the approved curriculum structure of S.Y. B.Tech. in Information Technology (Sem-I) to be offered from the A.Y. 2024-25.

Second Year | Semester-III										
Course Code	Course Title	Teaching Scheme Hours/Week			Examination Scheme				Marks	Credits
		L	T	P	ISE	ESE	Or.	Pr.		
23PCIT301	Data Structures	3	0	0	50	50	0	0	100	3
23PCIT302	Computer Networks	2	0	0	25	25	0	0	50	2
23PCIT303	Digital Electronics and Computer Architecture	3	0	0	50	50	0	0	100	3
23PCIT304	Discrete Mathematics	2	1	0	50	50	0	0	100	3
23OE301	Open Elective-I	3	0	0	50	50	0	0	100	3
23VSEC301	Universal Human Values	2	1	0	50	50	0	0	100	3
23AEC301	Design Thinking	1	1	0	50	0	0	0	50	2
23PCIT301L	Data Structures Laboratory	0	0	4	25	0	0	25	50	2
23PCIT302L	Computer Networks Laboratory	0	0	2	25	0	25	0	50	1
23PCIT303L	Digital Electronics and Computer Architecture Laboratory	0	0	2	25	0	25	0	50	1
	Total =	**16**	**03**	**8**	**400**	**275**	**50**	**25**	**750**	**23**

Discussion (IV): The Academic Council members appreciated Multi-Disciplinary Minor (MDm) courses offered under "Sustainability Development".

Decision (IV): The syllabi of S.Y. B.Tech. in Information Technology (Sem-I) courses were approved by the Academic Council members.

Point No. 3(V)] Mechanical Engineering

Discussion 3(V): Dr. Ajit Bhosale, Chairman, BoS, Mechanical Engineering presented the syllabi for the following courses as per the approved curriculum structure of S.Y. B.Tech. in Mechanical Engineering (Sem-I) to be offered from the A.Y. 2024-25.

Approved Structure						
Second Year – 2024-25 onwards						
Semester-III						
Sr. No	**Course Code**	**Course Title**	**Lecture**	**Tutorial**	**Practical**	**Credits**
1	PCCME301	Strength of Materials	3	1	0	4
2	PCCME302	Manufacturing Engineering	3	0	2	4
3	PCCME303	Engineering Thermodynamics	3	0	0	3
4	PCCME304	Engineering Materials	3	0	2	4
5	OE301	Open Elective-I	3	0	0	3
6	VEC301	Universal Human Values	2	1	0	3
7	AEC301	Design Thinking	1	1	0	2
		Total =	**16**	**3**	**04**	**23**

Discussion 3(V):

(i) Dr. Bhalchandra Puranik suggested to include theories of failure in the course titled 'Strength of Materials'.

(ii) Dr. B.B. Ahuja told to include Tool Design and Cutting Tool Forces in the 'Manufacturing Engineering' Course syllabus.

(iii) Dr. Puranik and Dr. Thakare asked about the inclusion of Fluid Machinery related bits in the syllabus of 'Fluid Mechanics course'.

(iv) Dr. Puranik and Dr. Thakare appreciated the contents of the course 'Material characterization and testing laboratory'.

(v) Dr. Ajit Bhosale told that the topics related to theories of failure are already included. Further, he also said that tool design and cutting tool forces related topics are included in Mechanics of Machining and Tool Design.

Decision 3(V):

(i) It is decided to include 'Fluid Machinery' in the proposed 'Fluid Mechanics and Machinery Laboratory Course'.

(ii) Syllabi and course outcomes of the proposed courses were approved by the Academic Council members.

Point No. 3(VI): Prof. Anita Patil presented the following courses proposed under Open Elective-I.

(i) Intellectual Property Rights (IPR)
(ii) Introduction to Digital Marketing (DM)
(iii) Law for Engineers (LFE)
(iv) Project Management (PM)
(v) Organizational Behavior (OB)

Discussion 3(VI)

(i) Dr. Khambete and Dr. Kalyani Joshi, both suggested for reducing the contents of the course 'Project Management', as the contents seem heavy for the S.Y. B.Tech students.
(ii) They also recommended conducting the ISE-2 for the course 'Project Management' in the form of a group presentation.

Decision 3(VI): It is decided to revise syllabus of 'Project Management'. The revised course contents of the course 'Project Management' to be presented to the BoS of Humanities and Management for their suggestions / approvals. And the revised course contents will be circulated to the Academic council members for approval.

Point No. 3(VII): Dr. Velankar presented syllabus of the course 'Design Thinking' to be offered to all branches.

Decision 3(VII): The syllabus of the course 'Design Thinking' was approved by the Academic Council Members.

Point No. 4] To discuss & approve assessment modes for the following S.Y. BTech courses.

(1) Design Thinking
(2) Entrepreneurship development
(3) Community Engagement Project
(4) IPR (Open Electives)

Discussion 4(1): Dr. Velankar proposed mode of evaluation for the course 'Design Thinking' as below.

Scheme of Examination: ISE - 50 Marks ESE – 0 Marks

Mode of Evaluation for ISE:
Presentation about the problems identified and the solution proposed by applying a design thinking approach.

Distribution of 50 marks of ISE:

(i) Exploration, selection, and analysis of problem statement:	10
(ii) Understanding/ validating customer needs:	10
(iii) Multiple solutions thought-of and innovative solution:	10
(iv) Recommendation of the solution with appropriate approach:	10
(v) Video Presentation with customer testimonies and Q/A:	10

Discussion 4(2): Dr. Velankar proposed mode of evaluation for the course 'Entrepreneurship development' as below.

Scheme of Examination: ISE - 50 Marks ESE - 50 Marks

Mode of Evaluation for ISE - Presentations
Students will work in a group for the proposed entrepreneurship venture and will develop their venture through progressive milestones with 4 stages.

Distribution of 50 marks of ISE – presentations:
(i) ISE 1: 25 marks – presentation about milestone 1 and 2
(ii) ISE 2: 25 marks – presentation about milestone 3 and 4

Distribution of 50 marks of ESE:
ESE : Mode of evaluation - Presentation & Report
(i) Final Pitch deck presentation: 30 marks
(ii) Project Feasibility Report for Proposed Venture: 20 Marks

Discussion 4(3): Dr. Anand Bewoor introduced the concept behind introducing the 'Community Engagement Project' course.

Dr. Manasi Pathade proposed mode of evaluation for the course 'Community Engagement Project' as below.

Scheme of Examination: ISE - 50 Marks ESE - 0 Marks

The student will be evaluated for ISE = 50 Marks. The distribution of 50 marks proposed as below:

(i) Defining objectives, describing stakeholders of the selected topic, and defining problem statement. - 10
(ii) Data Quality, quantity and relevance of the data collected Marks - 10
(iii) Analysis of the data - 10
(iv) Ability to present/communicate the overall learning from the course - 10
(v) Regularity - 5
(vi) Report writing - 5

Discussion 4(4) Dr. Dr. Anita Patil proposed mode of evaluation for the course 'IPR' Open Elective-I as below.

Scheme of Examination: ISE - 50 Marks ESE - 50 Marks

Distribution of 50 marks of ISE:
(i) ISE 1: Pen & paper / presentation / quiz etc. - 25 marks
(ii) ISE 2: Patent drafting - 25 marks

Distribution of 50 marks of ESE:
(i) ESE 1 : Presentation - 25 marks
(ii) ESE 2 : Pen & paper - 25 marks

Decision 4(4): Proposed examination scheme and modes of evaluations for the above-mentioned course were approved by the Academic Council Members.

Point No. 5] To discuss & approve course titles for FY & SY. MTech. Programmes in
(1) Electronics & Telecommunications Engineering
(2) Computer Engineering
(3) Mechanical Engineering

Point No. 5(1)] Electronics & Telecommunications Engineering

Discussion 5(1): Dr. Sharda Ohatkar, Chairman, BoS, E&TC presented course titles for the following courses of FY & SY MTech in Electronics & Telecommunications Engineering specialization in Artificial Intelligence to be offered from the A.Y. 2024-25.

M. Tech. E&TC – AI : First Semester										
Course Code	**Course Title**	**Teaching Scheme Hours/Week**			**Examination Scheme**				**Marks**	**Credit**
		L	**T**	**P**	**ISE**	**ESE**	**Or.**	**Pr.**		
24PCMEC 101	Mathematics for Artificial Intelligence	3	1	0	50	50	0	0	100	4
24PCMEC 102	Artificial Intelligence	3	1	0	50	50	0	0	100	4
24PCMEC 103	Machine Learning	3	0	0	50	50	0	0	100	3
24PCMEC 104	Computer Vision	3	0	0	50	50	0	0	100	3
24OEM101	Open Elective	3	0	0	50	50	0	0	100	3
24PCMEC 102L	Artificial Intelligence Lab	0	0	2	0	0	25	0	25	1

24PCMEC 103L	Machine Learning Lab	0	0	2	0	0	0	25	25	1
24PCMEC 104L	Computer Vision Lab	0	0	2	0	0	25	0	25	1
Total		**15**	**2**	**6**	**250**	**250**	**50**	**25**	**575**	**20**
Grand Total		**23**			**575**				**575**	**20**

M. Tech. E&TC –AI : Second Semester										
Course Code	**Course Title**	**Teaching Scheme Hours/Week**			**Examination Scheme**				**Marks**	**Credit**
		L	**T**	**Pr.**	**ISE**	**ESE**	**Or**	**Pr**		
24PCMEC 201	Big Data Analytics	3	0	0	50	50	0	0	100	3
24PCMEC 202	AI in Wireless Communication	3	1	0	50	50	0	0	100	4
24PCMEC 203	Deep Learning	3	0	0	50	50	0	0	100	3
24PCMEC 204	Optimization Techniques	3	1	0	50	50	0	0	100	4
24PEMEC 201	Program Elective	3	0	0	50	50	0	0	100	3
24PCMEC 201L	Data Analytics Lab	0	0	2	0	0	25	0	25	1
24PCMEC 203L	Deep Learning Lab	0	0	2	0	0	0	25	25	1
24PEMEC 201L	Program Elective Lab	0	0	2	0	0	25	0	25	1
Total		**15**	**2**	**6**	**250**	**250**	**50**	**25**	**575**	**20**
Grand Total		**23**			**575**				**575**	**20**
Program Elective – (a) Natural Language Processing (b) Soft Computing										

M. Tech. E&TC –AI : Third Semester									
Course Code	**Course Title**	**Teaching Scheme Hours /Week**			**Examination Scheme**			**Marks**	**Credit**
		L	**T**	**P**	**ISE**	**ESE**	**Oral**		
24VSECMEC 301	Skill Enhancement Course*	4	0	-	50	50	-	100	4
24INTRM 301	Internship based Project	-	-	**12 weeks	100	-	100	200	16
Total		**4**	**0**	**0**	**150**	**50**	**100**	**300**	**20**
Grand Total		**4**			**300**			**300**	**20**

M. Tech. E & TC –AI: Fourth Semester									
Course Code	**Course Title**	**Teaching Scheme Hours /Week**			**Examination Scheme**			**Marks**	**Credit**
		L	**T**	**P**	**ISE**	**ESE**	**Or.**		
24VSECMEC 401	Technical / Research report / Paper writing	4	0	0	50	50	-	100	4
24INTRM 401	Internship based Project	-	-	*14 weeks	100	-	100	200	16
	Total	**4**	**0**	**0**	**150**	**50**	**100**	**300**	**20**
	Grand Total			**36**			**300**	**300**	**20**
* Minimum duration for Internship is 14 weeks									

Discussion 5(1): Dr. Sharda Ohatkar said that contents for the above courses will be sent to the Academic Council members for their approval.

Decision 5(1): (i) Course titles as mentioned in the above structures are approved by the Academic Council members.
(ii) It is decided to send the syllabi contents to the Academic Council members for their approval.

Point No. 5(2)] Computer Engineering

Discussion 5(2): Prof. Aparna Hajare, presented course titles & contents for the following courses of FY & SY MTech in Computer Engineering to be offered from the AY 2024-25.

First Year | Semester-I									
Course Code	**Course Title**	**Teaching Scheme Hours/Week**			**Cr**	**Examination Scheme**			**Total Marks**
		L	**T**	**P**		**ISE**	**ESE**	**Pr/Or**	
24PCMCE101	Research Methodology	3	0	0	**3**	50	50	0	100
24PCMCE102	Distributed Systems	4	0	0	**4**	50	50	0	100
24PCMCE103	Advanced Databases	4	0	0	**4**	50	50	0	100
24MOE101	1. Intellectual Property Rights 2. Organizational Behavior	3	1	0	**4**	50	50	0	100
24PEMCE101	1. Cyber Security 2. Human Machine Interaction 3. Business Intelligence and Analytics	3	0	0	**3**	50	50	0	100
24PCMCE101L	Research Methodology Laboratory	0	0	2	**1**	25	0	0	25
24PCMCE103L	Advanced Databases Laboratory	0	0	2	**1**	25	0	0	25
	Total	**17**	**1**	**4**	**20**	**300**	**250**	**0**	**550**

First Year | Semester-II									
Course Code	**Course Title**	**Teaching Scheme Hours / Week**			**Cr**	**Examination Scheme**			**Total Marks**
		L	**T**	**P**		**ISE**	**ESE**	**Pr/Or**	
24PCMCE201	Cross-Platform Application Development	3	0	0	**3**	50	50	0	100
24PCMCE202	Advanced Algorithms	3	0	0	**3**	50	50	0	100
24PCMCE203	Deep Learning Architectures and Design	3	0	0	**3**	50	50	0	100
24PEMCE201	A. Cyber-Physical Systems B. High-Performance Computing C. Immersive Technologies	3	0	0	**3**	50	50	0	100
24PEMCE202	A. Blockchain Technology B. Generative AI C. e-Business	3	0	0	**3**	50	50	0	100
24PCMCE201L	Cross Platform Application Development Laboratory	0	0	2	**1**	25	0	0	25
24PCMCE202L	Advanced Algorithms Laboratory	0	0	2	**1**	25	0	0	25
24PCMCE203L	Deep Learning Architectures and Design Laboratory	0	0	4	**2**	25	0	25	50
24PEMCE201L	A. Cyber-Physical Systems Laboratory B. High-Performance Computing Lab. C. Immersive Technologies Lab.	0	0	2	**1**	25	0	0	25
	Total	**15**	**0**	**10**	**20**	**350**	**250**	**25**	**625**

Second Year | Semester-III									
Course Code	**Course Title**	**Teaching Scheme Hours / Week**			**Cr**	**Examination Scheme**			**Total Marks**
		L	**T**	**P**		**ISE**	**ESE**	**Pr/Or**	
24VSEC301	Skill Development Course#	4	0	0	**4**	50	50	0	100
24INTRM301	Internship / Project	-	-	12* Weeks	**16**				
	Total	**4**	**0**	**0**	**20**				

Second Year | Semester-IV									
Course Code	**Course Title**	**Teaching Scheme Hours / Week**			**Cr**	**Examination Scheme**			**Total Marks**
		L	**T**	**P**		**ISE**	**ESE**	**Pr/Or**	
24VSEC401	Technical / Research Report / Paper Writing	4	0	0	**4**	50	50	0	100
24INTRM401	Internship / Project	-	-	14* Weeks	**16**				
	Total	**4**	**0**	**0**	**20**				

Decision 5(2): The course titles, course outcomes and course contents of all the courses of FY & SY MTech Programme in Computer Engineering are approved by the Academic Council Members.

Point No. 5(3)] Mechanical Engineering

Discussion 5(3): Dr. Ajit Bhosale, Chairman, BoS, Mechanical Engineering presented course titles for the following courses of FY & SY MTech. in Mechanical Engineering to be offered from the A.Y. 2024-25.

First Year | Semester-I									
Course Code	Course Title	Teaching Scheme Hours/Week			Cr	Examination Scheme			Total Marks
		L	T	P		ISE	ESE	Pr/Or	
CCMME101	Research Methodology and Statistical Technique	4	0	0	4	50	50	0	100
CCMME102	Advanced Mechanics of Solids	3	1	0	4	50	50	0	100
CCMME103	Optimization Methods	3	1	0	4	50	50	0	100
CCMME104	Finite Element Analysis	3	0	0	3	50	50	0	100
OEM101	Open Elective	3	0	0	3	50	50	0	100
CCMME104L	Finite Element Analysis Lab.	0	0	2	1	25	0	25	50
CCMME105L	Applied Data Science for Mechanical Engineering Lab.	0	0	2	1	25	0	25	50
	Total	**16**	**2**	**4**	**20**	**300**	**250**	**50**	**600**

First Year | Semester-II									
Course Code	Course Title	Teaching Scheme Hours / Week			Cr	Examination Scheme			Total Marks
		L	T	P		ISE	ESE	Pr/Or	
CCMME201	Advanced Mechanical Vibrations	3	0	0	3	50	50	0	100
CCMME202	Advanced Machine Design	3	1	0	4	50	50	0	100
CCMME203	Design of Electric Vehicle System	3	1	0	4	50	50	0	100
CCMME204	Industrial Robotics	3	0	0	3	50	50	0	100
PEMME201	Programme Elective	3	0	0	3	50	50	0	100
CCMME201L	Advanced Mechanical Vibrations Lab.	0	0	2	1	25	0	25	50
CCMME204L	Industrial Robotics Lab.	0	0	2	1	25	0	25	50
PEMME201L	Programme Elective Lab.	0	0	2	1	25	0	25	50
	Total	**15**	**2**	**6**	**20**	**300**	**250**	**50**	**650**

Second Year | Semester-III									
Course Code	Course Title	Teaching Scheme Hours / Week			Cr	Examination Scheme			Total Marks
		L	T	P		ISE	ESE	Pr/Or	
VSECMME301	Skill Enhancement Course#	4	0	0	**4**	50	50	0	**100**
INTRM301	Internship based Project	0	0	12* Weeks	**16**	100	0	100	**200**
	Total	**4**	**0**	**0**	**20**	**150**	**50**	**100**	**300**

- This course can be learned in online self-learning mode (of min. 8 weeks duration & available on NPTEL platform).*
- The Minimum duration for the Internship is 12 weeks.*

Second Year | Semester-IV									
Course Code	Course Title	Teaching Scheme Hours / Week			Cr	Examination Scheme			Total Marks
		L	T	P		ISE	ESE	Pr/Or	
VSECMME401	Technical / Research Report / Paper Writing	4	0	0	**4**	50	50	0	**100**
INTRM401	Internship Based Project	-	-	14* Week	**16**	100	-	100	**200**
	Total	**4**	**0**	**0**	**20**	**150**	**50**	**100**	**300**

Decision 5(3): The course titles, course outcomes and course contents of all the courses of FY & SY MTech Program in Mechanical Engineering are approved by the Academic Council Members.

Point No. 6] To discuss students' feedback about the internship program.

Discussion : Prof. Amit Rajurkar, T&P Officer presented the feedback on internships in the form of responses from nearly 500 plus students, who had undergone 6 months of internships from June to December 2023.

Decision : All the Academic Council members expressed their satisfaction with the 7th Semester internship program.

Point No. 7] To discuss and approve changes in Examination rules.

Discussion : (I) Considering the amendment in Ordinance-163 of Savitribai Phule Pune University the following amendment in Ordinance-1 of Cummins College of Engineering for Women was proposed by Dr. Ashok Khedkar, Dean - Examinations.

1. Cultural / Research Competition:

   a) A candidate who participates in Savitribai Phule Pune University Level Cultural/Research Competition, will get FIVE marks in that academic year.

   OR

   b) A candidate who participates in State Level Inter/ University Zonal Cultural/ Research Avishkar) competition will get TEN marks in that academic year.

   OR

   c) A candidate who participates in All India Inter University Cultural/Research (Anveshan) Competition sponsored by the Association of Indian Universities (AIU) New Delhi and obtained first/ second/ third rank in that competition, will get FIFTEEN marks in that academic year.

2. The additional marks shall be added to any head/s of passing or any subject/s, as the case may be, in the examination if the student has failed in such head/s of passing/subject/s and if such additional marks enable the student to get necessary passing marks.

3. The additional marks shall not be taken into consideration for the purpose of awarding any prize, scholarship, merit list or for other similar purposes.

4. Additional marks shall be granted to the candidate only for that examination during which the candidate has participated in the activities mentioned in Clause-1. These additional marks shall not be carried forward to the next examination.

5. However, prior approval from the Head of the department and Principal for participation in such competitions is mandatory to get additional marks.

(II) Dr. Khedkar proposed the following Grace marks rule for students with disability (Divyang Students):

- A student with disability (Divyang Student) who fails in the theory course, practical/Oral examination, Internship, and project work, shall be given the benefit of grace marks to the extent of a maximum of 3 % of the aggregate marks of that semester.
- The grace marks shall be distributed in any head/heads of the passing, and it shall be allotted in regular examination at the end of each semester of the academic year.
- These grace marks are not applicable to backlog and summer examinations.
- A student with a disability (Divyang Student) shall be given the benefit of these grace marks in addition to the grace marks awarded to the examinees under other ordinances.

Decision : The members of the Academic Council approved the amendment in the additional mark's ordinance, and also, approved the proposed grace mark rule for the students with disability (Divyang Students).
It has also decided to implement the above changes from the Academic Year 2023-24.

Point No. 8] Any other points with the permission of the Chair.
No other point was discussed in the meeting.

Dr. Anand Bewoor
Dean Academics
Member Secretary - Academic Council
MKSSS's Cummins College of Engineering for Women, Pune

Dr. Madhuri Khambete
Principal
Chairman - Academic Council
MKSSS's Cummins College of Engineering for Women, Pune