Eighteenth Academic Council Meeting

AGENDA

Date: 15th June, 2023 @ 10:30 am
Auditorium Board Room

🖎 Welcome Address- Chairperson 18th Academic Council

🖎 Presentation - Chairperson

🖎 Presentation - CoE

🖎 Comments from the expert members

🖎 Resolutions for the approval and ratification
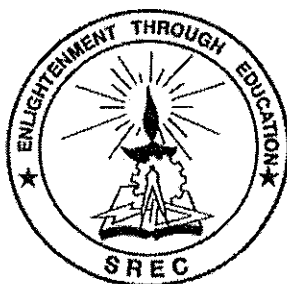
🖎 Vote of Thanks - Vice Principal

CHAIRPERSON

Eighteenth Academic Council Meeting

Date: 15th June, 2023   Time: 10.30 AM

AGENDA AND NOTES

SRI RAMAKRISHNA ENGINEERING COLLEGE
[Educational Service : SNR Sons Charitable Trust]
[Autonomous Institution, Reaccredited by NAAC with 'A+' Grade]
[Approved by AICTE and Permanently Affiliated to Anna University, Chennai]
[ISO 9001:2015 Certified and all eligible programmes Accredited by NBA]
VATTAMALAIPALAYAM, N.G.G.O. COLONY POST, COIMBATORE – 641 022.
TAMIL NADU, INDIA
www.srec.ac.in

PREAMBLE

Salient achievements in the academic year 2022-2023

↪ SREC had inaugurated SREC SPARK Incubation Foundation (A Section 8 company) – A venture to innovate and incubate.

↪ SREC had established Aluminium Recycling – Incubation center, under research grants from DST under Waste Management Technology and the Ministry of Mines in collaboration with Jawaharlal Nehru Aluminium Research Development and Design Centre, Maharashtra and BML Munjal University, Haryana.

↪ SREC has signed MoU with

 o Asia Pacific University of Technology and Innovation, Malaysia

 o Bootlabs, Bengaluru

 o Tamil Nadu Agricultural University, Coimbatore

 o Pricol Limited, Coimbatore

 o Indian Biomedical Skill Council (IBSC), Vishakapatnam

 o Auger Engineers, Chennai

 o Resilience Business Grids LLP (RBG.AI), Coimbatore

 o HiiLse Global SDN, BHD, Malaysia

 o Meynikar Innovations Pvt Ltd, Coimbatore

 o NSE Academy Ltd, Mumbai

 o ISDC Projects India Pvt Ltd, Bengaluru

↪ A total of Rs.2.15 crores has been received as funding from various agencies like MHRD, IAMPL, CSIR-India, UBA, SERB, MeiTY, MSME and TNSCT to conduct research, FDPs, seminars and conferences by different departments.

↪ Students from Departments of Electrical and Electronics Engineering, Electronics and Communication Engineering, Computer Science and Engineering, Information Technology had emerged as winners and won Rs. 5 Lakhs as prize money in Smart India Hackathon 2022.

- Students from Department of Electronics and Communication Engineering had emerged as winners and received a cash prize of Rs. 50000/- in AICTE SPICES sponsored National Level Intelligent Innovators Hackathon 2022.

- Students from Department of Biomedical Engineering had won Siemens Healthcare Hackathon 2022 with prize money of Rs. 5 Lakhs.

- Students from Department of Electronics and Instrumentation Engineering have received a funding of Rs. 15 Lakhs from MSME for their project titled "IoT based Coal Mine Safety and Health Monitoring System using LoRa".

- Five Students from Department of Mechanical Engineering received an internship grant of Rs. 6 Lakhs under the scheme of TIH-IoT Chanakya UG Internship program 2022 from IIT Bombay.

- Mr. K,Nandakiran of III EEE secured Gold medal in 1500m athletics, Mr. M.Colin Powell of II ECE won Gold medal in 100m athletics, Ms.Hamavarthini of I CSE won Silver medal in Triple Jump event in 4th COVAI TIES 2023 meet (Men and Women) organized by Coimbatore Institute of Technology, Coimbatore on 03rd March 2023.

- SREC Ball Badminton Men Team had secured first place, Table Tennis Women Team had secured second place and Ball Badminton Women Team secured third place in 4th COVAI TIES 2023 held at Coimbatore Institute of Technology, Coimbatore on 25th and 26th February 2023.

- Our college Staff Ball Badminton Team secured Third place in the SNR Staff Ball Badminton Tournament organized by our college for the year 2022 – 2023.

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Members of the Eighteenth Academic Council

1.	Dr. N.R.Alamelu, Principal	Chairperson
2.	Dr.K.Vani, Professor, Department of Information Science and Technology, CEG Campus, Anna University, Chennai – 600 025.	University Nominee
3.	Dr.A.Rajeswari, Principal, Coimbatore Institute of Technology, Coimbatore – 641 014.	University Nominee
4.	Dr.R.Vijayan, Principal, Government College of Engineering, Bargur, Krishnagiri - 635 104	University Nominee
5.	Dr. N. Loganathan Pulmanologist, Sri Ramakrishna Hospitals, Coimbatore	Expert Nominee
6.	Ms. Elizabeth Puthran Puthran & Associates, Chennai	Expert Nominee
7.	Mr. D.Ravichandran, Managing Director, Applied Automation Systems Pvt. Ltd., Coimbatore.	Expert Nominee
8.	Mr. Omkar Vikram Sankar, Chief Operating Officer, Sankar Group, Coimbatore.	Expert Nominee
9.	Mr. Mahesh Prabhu, Chartered Accountant, CSK Prabhu& Co., Coimbatore.	Expert Nominee
10.	Dr. P.Karuppuswamy, Chair Person/MECH	Member

11.	Dr.S.Allirani, Chair Person/EEE	Member
12.	Dr.M.Jagadeeswari, Chair Person/ECE	Member
13.	Dr. K.Srinivasan, Chair Person/EIE	Member
14.	Dr. A.Grace Selvarani, Chair Person/ CSE & M.Tech CSE (5yrs Integrated)	Member
15.	Dr.M.Senthamil Selvi, Chair Person/IT	Member
16.	Dr. V.Ramamurthy, Chair Person / BME	Member
17.	Dr.A.Murugarajan, Chair Person / RAE	Member
18.	Dr.J.David Rathnaraj, Chair Person/AERO & CoE	Member
19.	Dr.E.Sarojini, Chair Person/CIVIL	Member
20.	Dr. V.Karpagam, Chair Person/AI&DS	Member
21.	Dr.P. Moorthi, Chair Person /M.Tech-NANO	Member
22.	Dr. R. Mary Metilda, Chair Person/MBA	Member
23.	Dr.K.Uthayarani, Chair Person/S&H	Member
24.	Dr.A.Sekar, HoD / MATHS	Member
25.	Dr.L.Ragunath, HoD/CHEMISTRY	Member
26.	Dr.Vichitra Sivaji, HoD/ENGLISH	Member
27.	Dr. Joshua Roy, Placement Officer	Member
28.	Dr.S.Jayanthy, Professor/ECE	Member
29.	Dr.S.Krishnaprabha, Associate Professor/MBA	Member
30.	Mrs. P.V.Kavitha, AP(Sl.G)/AI&DS	Member
31.	Dr. R. Ranga Raj, AP(Sr.G)/AERO	Member
32.	Ms. V.P.Subhasri/CSE	Student Member
33.	Mr. B.Rahul Prasad/CIVIL	Student Member
34.	Mr. M.Muthu Pavithran/BME	Student Member
35.	Mr. V. Ajay Devan/MECH	Student Member
36.	Dr.B.Nataraj, Associate Professor/ECE	Member Secretary

The Chairperson to welcome all the members for the 18th Academic Council Meeting

  ➢ *Presentation by the Chairperson*
  ➢ *Presentation by the COE*
  ➢ *Discussion on the presentation by the Chairperson and COE*

ITEM No.1

Resolution for the approval that Regulation 2020 (Learning Outcome based Curriculum through Choice based Credit) will be followed for all B.E./B.Tech. programmes for students admitted in the Academic year 2020.

ITEM No.2

Resolution for the approval that Revised Regulation 2020 (Learning Outcome based Curriculum through Choice based Credit) will be followed for all B.E./B.Tech. programmes for students admitted in the Academic year 2021 & onwards.

ITEM No.3

Resolution for the approval of UG (Hons) with Specialization, UG with Minor and UG (Hons) under the B.E./B.Tech programmes as per Anna University circular dated 16.11.2022 Lr. No. 5749/AU/CAC/Honours/2022 as follows

S. N	Programmes	Specialization /Minors
1	Mechanical Engineering	Robotics
2	Electrical and Electronics Engineering	Electric Vehicles
3	Electronics and Communication Engineering	Internet of Things (IoT)
4	Electronics & Instrumentation Engineering	Sensors Technology
5	Computer Science and Engineering	Artificial Intelligence and Machine Learning
		Virtual and Augmented Reality
6	Information Technology	Cyber Security
		Data Science
7	Civil Engineering	Green Technology
8	Bio Medical Engineering	Healthcare Analytics
9	Aeronautical Engineering	Drone Technology

10	Artificial Intelligence and Data Science Engineering	Intelligent Systems
11	Robotics and Automation Engineering	Digital Manufacturing

ITEM No.4

Resolution for the approval of decision taken during the result passing board meetings from 58th to 60th meetings during the academic year 2022-2023.

ITEM No.5

Resolution for the approval of the decisions taken in the various Board of Studies of B.E./B.Tech programmes under SREC Revised Regulations 2020.

ITEM No.6

Resolution for the approval of the decisions taken in the various Board of Studies of M.E./M.Tech/MBA programmes under SREC Regulations 2022.

ITEM No.7

Resolution for the approval that the following Tamil Courses and its syllabi as recommended by Anna University, Chennai be approved to be included as the Mandatory courses.

1. Heritage of Tamils
2. Tamils and Technology

ITEM No.8

Resolution for the approval of candidates who have been readmitted during the academic year 2022-2023 in the respective semester as per the approval from the Directorate of Technical Education.

S.No	Name and Roll No	Department	Semester & Year of Readmission
1.	HARIDHRAA PRANAV J & 71812111016	AI&DS	II Sem / 2023
2.	SARAVANAKUMAR T & 2009029	CIVIL	IV Sem / 2023

ITEM No.09

The Chairperson to inform the members about the communications received from

    a. Anna University, Chennai

    b. Directorate of Technical Education

S.No	Communication Received from apex body	Explanatory Note
1.	Anna University – Application for Grant of Provisional Affiliation for the academic year 2023 – 2024 – To be submitted online – Existing Affiliated Colleges – Reg. Letter No. 491/AU/CAI/App_Affln/2023-2024 dated 11.01.2023	Application for Grant of Provisional Affiliation for the academic year 2023 – 2024
2.	Anna University – Centre for Affiliations of Institutions (CAI) – Sri Ramakrishna Engineering College – No Objection certificate requested for closure of M.E. Computer Science and Engineering, M.E. Manufacturing Engineering and M.E. Power Electronics and Drives courses for the academic year 2023 – 24 – Reg. Letter No. 593/CAI/ AU/2023 dated 02.02.2023	Submission of documents for No Objection certificate requested for closure of PG Programmes
3.	Anna University – Academic Courses – Autonomous Institution – New Progamme – Reg. Letter No. 287/AU/CAC/2023 dated 07.02.2023	Submission of curriculum and syllabi with the approval of Board of Studies and the Academic Council
4.	Anna University – Academic Courses – Autonomous Institution – New Progamme – Reg. Letter No. 591/AU/CAC/2023 dated 07.03.2023	Submission of curriculum and syllabi including professional electives for M.E. Artificial Intelligence and Data Science

5.	Anna University – Student Affairs – Readmission of Students in (Full-Time/Part-Time) UG & PG (2022-2023) – Degree Courses – Approval Accorded – Reg. Letter No. Even/UG/UG(PT)/PG-RA/SA2/2022-2023 dated 18.05.2023	Readmission of Students
6.	Anna University – No Objection Certificate – Starting of M.E. Artificial Intelligence and Data Science and M.Tech Robotics and Artificial Intelligence Courses – reg. Letter No. 280/CAI/AU/2023 dated 11.05.2023	No Objection Certificate for starting of M.E. Artificial Intelligence and Data Science and M.Tech Robotics and Artificial Intelligence courses
7.	Technical Education - Engineering Colleges – Readmission - 2022-23 – Even semester (II, IV, VI, VIII, X) - Readmission Order Issued - Reg. Letter No : 50100/J1/2022 Dated : 20.03.2023	Readmission of Students

ITEM No.10

Comments from External Members

ITEM No.11

Any other related matter with permission of the Chairperson

ITEM No.12

Vote of thanks – Vice Principal

Dr.N.R.ALAMELU

CHAIRPERSON

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VATTAMALAIPALAYAM, N.G.G.O. COLONY POST, COIMBATORE – 641 022.

18th Academic Council Meeting

Date :15.06.2023   **Time: 10.30 AM**

Members Present

S.No	Name	Signature
1.	Dr. N.R.Alamelu, Principal	
2.	Dr.K.Vani, Professor, Department of Information Science and Technology, CEG Campus, Anna University, Chennai – 600 025.	
3.	Mr. D.Ravichandran, Managing Director, Applied Automation Systems Pvt. Ltd., Coimbatore.	
4.	Mr. Omkar Vikram Sankar, Chief Operating Officer, Sankar Group, Coimbatore.	
5.	Mr. Mahesh Prabhu, Chartered Accountant, CSK Prabhu & Co., Coimbatore.	
6.	Dr. P.Karuppuswamy, Chair Person/MECH	
7.	Dr.S.Allirani, Chair Person/EEE	
8.	Dr.M.Jagadeeswari, Chair Person/ECE	
9.	Dr. K.Srinivasan, Chair Person/EIE	

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No.	Name	Signature
10.	Dr. A.Grace Selvarani, Chair Person/ CSE & M.Tech CSE (5yrs Integrated)	
11.	Dr.M.Senthamil Selvi, Chair Person/IT	
12.	Dr. V.Ramamurthy, Chair Person / BME	
13.	Dr.A.Murugarajan, Chair Person / RAE	
14.	Dr.J.David Rathnaraj, Chair Person/AERO & CoE	15/6/23
15.	Dr.E.Sarojini, Chair Person/CIVIL	
16.	Dr. V.Karpagam, Chair Person/AI&DS	
17.	Dr.P. Moorthi, Chair Person /M.Tech-NANO	
18.	Dr.K.Uthayarani, Chair Person/S&H	
19.	Dr.A.Sekar, HoD / MATHS	
20.	Dr.L.Ragunath, HoD/CHEMISTRY	
21.	Dr.Vichitra Sivaji, HoD/ENGLISH	
22.	Dr. Joshua Roy, Placement Officer	
23.	Dr.S.Jayanthy, Professor/ECE	
24.	Dr.S.Krishnaprabha, Associate Professor/MBA	15/6/2023

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25.	Mrs. P.V.Kavitha, AP(Sl.G)/AI&DS	
26.	Dr. R. Ranga Raj, AP(Sr.G)/AERO	
27.	Ms. V.P.Subhasri/CSE	
28.	Mr. B.Rahul Prasad/CIVIL	
29.	Mr. M.Muthu Pavithran/BME	
30.	Mr. V. Ajay Devan/MECH	
31.	Dr.B.Nataraj, Associate Professor/ECE	

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Minutes of the 18ᵗʰ Academic Council Meeting of Sri Ramakrishna Engineering College held on June 15, 2023 at 10.30 am.

The following members were present for the meeting

1.	Dr. N.R.Alamelu, Principal	Chairperson
2.	Dr.K.Vani, Professor, Department of Information Science and Technology, CEG Campus, Anna University, Chennai – 600 025.	University Nominee
3.	Mr. D.Ravichandran, Managing Director, Applied Automation Systems Pvt. Ltd., Coimbatore.	Expert Nominee
4.	Mr. Omkar Vikram Sankar, Chief Operating Officer, Sankar Group, Coimbatore.	Expert Nominee
5.	Mr. Mahesh Prabhu, Chartered Accountant, CSK Prabhu& Co., Coimbatore.	Expert Nominee
6.	Dr. P.Karuppuswamy, Chair Person/MECH	Member
7.	Dr.S.Allirani, Chair Person/EEE	Member
8.	Dr.M.Jagadeeswari, Chair Person/ECE	Member
9.	Dr. K.Srinivasan, Chair Person/EIE	Member
10.	Dr. A.Grace Selvarani, Chair Person/ CSE & M.Tech CSE (5yrs Integrated)	Member
11.	Dr.M.Senthamil Selvi, Chair Person/IT	Member

12.	Dr. V.Ramamurthy, Chair Person / BME	Member
13.	Dr.A.Murugarajan, Chair Person / RAE	Member
14.	Dr.J.David Rathnaraj, Chair Person/AERO & CoE	Member
15.	Dr.E.Sarojini, Chair Person/CIVIL	Member
16.	Dr. V.Karpagam, Chair Person/AI&DS	Member
17.	Dr.P. Moorthi, Chair Person /M.Tech-NANO	Member
18.	Dr.K.Uthayarani, Chair Person/S&H	Member
19.	Dr.A.Sekar, HoD / MATHS	Member
20.	Dr.L.Ragunath, HoD/CHEMISTRY	Member
21.	Dr.Vichitra Sivaji, HoD/ENGLISH	Member
22.	Dr. Joshua Roy, Placement Officer	Member
23.	Dr.S.Jayanthy, Professor/ECE	Member
24.	Dr.S.Krishnaprabha, Associate Professor/MBA	Member
25.	Mrs. P.V.Kavitha, AP(Sl.G)/AI&DS	Member
26.	Dr. R. Ranga Raj, AP(Sr.G)/AERO	Member
27.	Ms. V.P.Subhasri/CSE	Student Member
28.	Mr. B.Rahul Prasad/CIVIL	Student Member
29.	Mr. M.Muthu Pavithran/BME	Student Member
30.	Mr. V. Ajay Devan/MECH	Student Member
31.	Dr.B.Nataraj, Associate Professor/ECE	Member Secretary

ITEM No.01

The Chairperson welcomed all the Academic Council Members to the 18th Academic Council meeting.

ITEM No.2

The Chairperson recorded the message by Dr.R.Vijayan, University Nominee, Dr. A.Rajeswari, University Nominee, Dr.N.Loganathan, Expert Nominee and Ms. Elizabeth Puthran, Expert Nominee of their absence for the meeting.

ITEM No.03

The Chairperson made a presentation on the different activities and developments of the institution and the progress made for the academic year 2022 – 2023, since the 17th Academic Council held in February 2023.

- 𝕱 Milestones of the institution, Admission details for the academic year 2022 – 2023 was presented.
- 𝕱 Chairperson – Academic Council also briefed about the faculty profile, details of Research & Development activities, publications and patents filed by the faculty members to the members of the 18th Academic Council.
- 𝕱 Briefed the various accolades by the students, placement statistics, NCC activities, infrastructure developed during the academic year 2022 – 2023 and ongoing collaborative research activities with industries by the institution.
- 𝕱 Chairperson – Academic Council also briefed about the specialization/minor - new initiatives in teaching learning for competency enhancement, in Research & Development and faculty and alumni welfare.
- 𝕱 Chairperson – Academic Council briefed about the various Alumni activities and communication letters received from various apex bodies.

ITEM No.04

- The Controller of Examinations presented the academic performance of November 2022 and May 2023.

SEM: 07   **November 2022**

S. No	Batch	Programme	Branch	Appeared	Passed	Pass percentage (%)
1			MECH	128	109	85.16
2			EEE	106	81	76.42
3			ECE	183	172	93.99
4			EIE	52	43	82.69
5	2019	BE	CSE	197	193	97.97
6			BME	51	49	96.08
7			AERO	39	28	71.79
8			CIVIL	53	44	83.02
9			R&A	64	63	98.44
11		B.TECH	IT	126	115	91.27
OVERALL PASS PERCENTAGE				999	897	89.79

SEM: V

S.No	Batch	Programme	Branch	Appeared	Passed	Pass Percentage
1			MECH	115	65	56.52
2			EEE	124	108	87.1
3			ECE	189	137	72.49
4			EIE	60	50	83.33
5		BE	CSE	186	162	87.1
6	2020		BME	44	29	65.91
7			AERO	27	20	74.07
8			CIVIL	57	25	43.86
9			R&A	42	60	70
10			AIDS	30	59	50.85
11		B.TECH	IT	122	106	86.89
OVERALL PASS PERCENTAGE				1043	774	74.21

SEM: III

S. No	Batch	Programme	Branch	Appeared	Passed	Pass Percentage (%)
1			MECH	89	40	44.94
2			EEE	96	61	63.54
3			ECE	187	110	58.82
4			EIE	64	35	54.69
5		BE	CSE	198	117	59.09
6	2021		BME	53	33	62.26
7			AERO	28	18	64.29
8			CIVIL	39	17	43.59
9			R&A	62	35	56.45
10			AIDS	65	42	64.62
11		B.TECH	IT	134	77	57.46
12		M.Tech	CSE	58	38	65.52
OVERALL PASS PERCENTAGE				1073	623	58.06

SEM: I

S. No	Batch	Programme	Branch	Appeared	Passed	Pass Percentage (%)
1	2022	BE	MECH	74	32	43.24
2			EEE	81	55	67.90

3			ECE	188	102	54.26
4			EIE	56	46	82.14
5			CSE	188	157	83.51
6			BME	59	46	77.97
7			AERO	28	20	71.43
8			CIVIL	39	26	66.67
9			R&A	56	38	67.86
10			AIDS	63	39	61.90
11		B.TECH	IT	125	77	61.60
12		M.Tech	CSE	60	51	85.00
OVERALL PASS PERCENTAGE				**1017**	**680**	**66.86**

PG SEM: 03   November 2022

S. No	Batch	Programme	Branch	Appeared	Passed	Pass percentage (%)
1			MANU	4	4	100
2			CIE	1	1	100
3		ME	EST	2	2	100
4	2021		PED	1	1	100
5			VLSI	1	1	100
6			NANO	3	3	100
7		MBA		58	52	89.66
8		PhD		4	4	100
OVERALL PASS PERCENTAGE				**74**	**68**	**91.89**

PG SEM: 01   November 2022

S. No	Batch	Programme	Branch	Appeared	Passed	Pass percentage (%)
1			MANU	1	1	100
2			CIE	1	1	100
3		ME	EST	3	3	100
4	2022		PED	1	1	100
5			VLSI	1	1	100
		MBA		63	37	58.73
		PhD		1	1	100
OVERALL PASS PERCENTAGE				**11**	**11**	**79.94**

BE / B.TECH 2019 BATCH (8th semester)

SEM: 08 **May 2023**

S. No	Batch	Programme	Branch	Appeared	Passed	Pass percentage (%)
1	2019	BE	MECH	128	102	79.69
2			EEE	108	105	97.22
3			ECE	184	180	97.83
4			EIE	52	52	100
5			CSE	198	198	100
6			BME	51	51	100
7			AERO	39	37	94.87
8			CIVIL	53	53	100
9			R&A	63	62	98.41
11		B.TECH	IT	127	125	98.43
OVERALL PASS PERCENTAGE				**1003**	**965**	**96.21**

PG SEM: 04 **May 2023**

S. No	Batch	Programme	Branch	Appeared	Passed	Pass percentage (%)
1	2021	ME	MANU	4	4	100
2			CIE	1	1	100
3			EST	2	2	100
4			PED	1	1	100
5			VLSI	2	2	100
6			NANO	3	3	100
7			CSE	3	3	100
OVERALL PASS PERCENTAGE				**16**	**16**	**100**

ITEM No.05

Details of Degree Awarded – B.E./ B.Tech - November -2022

Batch	Department	No. of Students
2016	ECE	1
	EEE	2
	MECH	2
2017	IT	1
2018	ECE	1
	EEE	1
	MECH	3

2019 Batch B.E / B.TECH Degree Awarded

Total Number of Students Registered   : 1016

Number of Students Passed   : 950

Overall Pass Percentage   : 93.50%
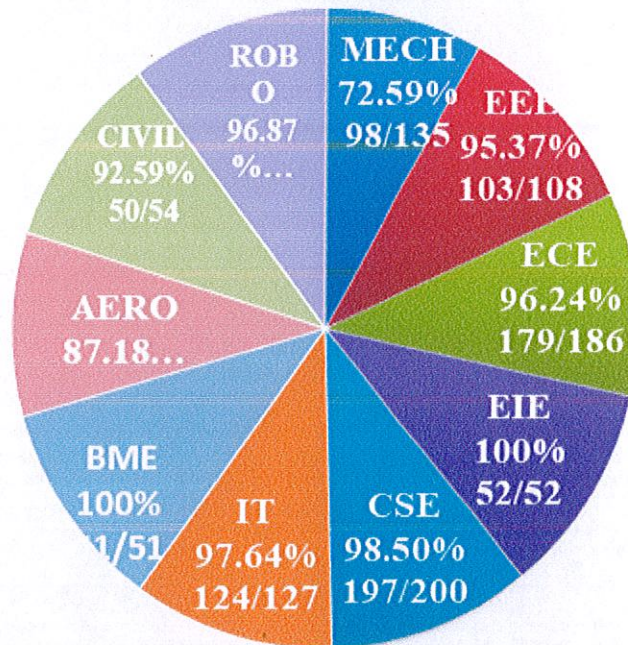
2021 – 2023 Batch M.E / M.TECH & MBA Degree Awarded

Total Number of Students Registered   : 75

Number of Students Passed   : 64

Overall Pass Percentage   : 85.33%
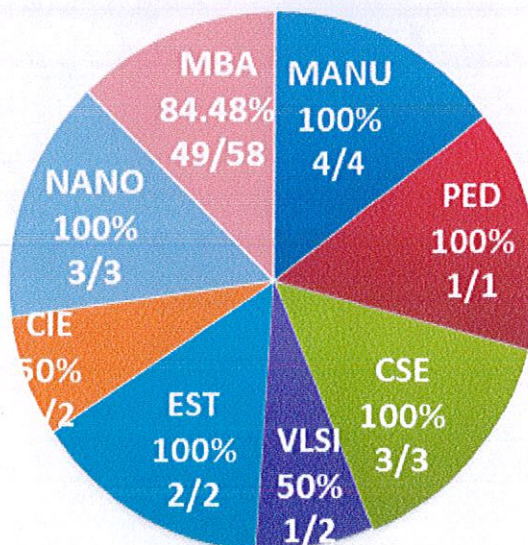
ITEM No.06

SPECIALIZATION/ MINOR   RESULT ANALYSIS – November – 2022

S.NO	COURSE TITLE	NUMBER OF CANDIDATES			PASS PERCENTAGE (%)
		REGISTERED	PASSED	FAILED	
1	Internet of Things (S)	23	23	0	100
2	Electric Vehicles (S)	28	28	0	100
3	Sensors Technology (S)	11	11	0	100
4	Robotics (S)	3	3	0	100
5	Data Science(M)	2	2	0	100
6	Artificial Intelligence & Machine learning(M)	12	12	0	100
7	Green Technology (S)	4	4	0	100
8	Cyber Security (S)	21	21	0	100
9	Augmented Reality/ Virtual Reality (S)	3	3	0	100
	No. of students Registered	**107**			
	No. of students Appeared	**107**	**Overall Pass Percentage**		
	No. of students Passed	**107**	**100%**		

ITEM No. 07

The Controller of Examinations presented details about the award of UG (Hons) with specialization, UG with Minor and UG(Hons) as per the Anna University, Chennai communication.

- The communication received from the Registrar i/c, Anna University Chennai with regard to the above agenda item is Letter No. 5749/AU/CAC/Honors/2022 dated 16.11.2022 was discussed.

- Based on the guidelines provided by AICTE, the 28th Academic Council of Anna University has approved the implementation of the following :

  - B.E/B.Tech. (Honors) in the same discipline

  - B.E/B.Tech. Minor in other specialization and

  - B.E/B.Tech. (Honors)

- This shall be implemented for UG candidates from the academic year 2021-2022 onwards.

NORMS FOR B.E. /B.TECH. SPEC/ MINORS/ HONORS

B.E. / B.Tech. (Hons) Specialization	B.E. / B.Tech. (Hons)	B.E. / B.Tech (Minor)
Earned additionally a minimum of 18 credits from a vertical of the same programme	Earned additional courses (minimum of 18 credits) from more than one vertical of the same programme.	Earned additionally a minimum of 18 credits in any one of the verticals of other B.E./ B.Tech programmes.
Passed all the courses in the first attempt		
Minimum CGPA of 7.50		
6 credits in online mode (SWAYAM platform) out of these 20 credits		

Students will be permitted to register Specialization / Minor courses from 4th / 5th semester onwards. The eligibility criteria will be the (N-1)th semester performance.

- The following specialization/Minor courses will be offered for the 2021-2022 admitted candidates

S. No	Programmes	Specialization /Minors	Permitted to offer
1	Mechanical Engineering	Robotics	Specialization
2	Electrical and Electronics Engineering	Electric Vehicles	Specialization
3	Electronics and Communication Engineering	Internet of Things (IoT)	Specialization, Minor
4	Electrical & Instrumentation Engineering	Sensors Technology	Specialization, Minor
5	Computer Science and Engineering	Artificial Intelligence and Machine Learning	Specialization, Minor
		Virtual and Augmented Reality	Specialization
6	Information Technology	Data Science	Minor
		Cyber Security	Specialization
7	Civil Engineering	Green Technology	Specialization
8	Robotics and Automation	Digital Manufacturing	Specialization, Minor
9	Biomedical Engineering	Health Care Technologies	Specialization, Minor
10	Aeronautical Engineering	Drone Technology	Specialization, Minor

| 11 | Artificial Intelligence and Data Science Engineering | Intelligent Systems | Specialization |

ITEM No. 09

The Controller of Examinations presented details about the following Tamil Courses and its syllabi as recommended by Anna University, Chennai as per the circular letter No.618/CAC/TC/2023 dated 01.03.2023 be approved to be included as the Mandatory courses. The Tamil courses will be included as mandatory courses from the second semester onwards in the academic year 2022-2023.

Course Code	Course Title	Credits
20HS211	Tamizhar Marabu (Heritage of Tamils)	1
20HS212	Thamizharum Thozhilnutpamum (Tamils and Technology)	1

Assessment Pattern

Component	Assessment	Marks
Internal Test I	Test / Assignment / Activity / PPT / Poster / Model	40
Internal Test II	Test / Case Study with Report	60

ITEM No.10

The Controller of Examinations presented details about the Foreign Technical Training Program

Outcome

- Identify opportunities where digital technology brings benefits;

- Put together a digital system using open source tools; and

- Appreciate the diverse culture and customs in Malaysia.

Proposed project topics:

- Smart parking management system with in-ground vehicle sensor

- Drainage monitoring system for flood detection

- Automation of factory packaging

- Disease detection through medical imaging

- Tourism trend discovery through social media analytics

Duration: 2 weeks/Venue: Swinburne University of Technology Sarawak Campus

Resolution for the approval of Foreign Technical Training program done at Swinburne University, Malaysia to be considered for Internship/Industrial Training under Employability Enhancement Courses as per clause 12 of Revised Regulation 2020.

ITEM No.11

Comments from the Experts:

1. Dr.K.Vani, University Nominee enquired about the reason for low pass percentage of III Semester results in the programmes of Mechanical and Civil Engineering. The Chairperson and HoD of the respective programmes informed the members that the students have programming foundation papers and more analytical papers in the III semester and also the strength of lateral students is a cause for low pass percentage. Dr.K.Vani, University Nominee enquired about the bridge course for the lateral entry students and was answered suitably.

2. Dr.K.Vani, University Nominee insisted to have separate courses for the students who of Minors / Specialization category.

3. Dr.K.Vani, University Nominee enquired about the industry tie-up with institution for the specialization/minor courses and the role of the industry partner in that specialization/minor courses. Chairperson informed the members

of the Academic Council that two or three courses will be offered and evaluated by the industry experts.

4. Dr.K.Vani, University Nominee informed to be clear with the specialization / minors and asked why various programmes are offering only one specialization and/or minor. Chairperson and CoE informed that to start with we offer one specialization and/or minor by each programme and later on number of verticals may be increased based on expertise and infrastructure facilities.

5. Dr.K.Vani, University Nominee enquired about the person available in the incubation centre. The Chairperson informed that the centre is open for outsiders and alumni requesting startup for incubation. The current students with MSME funding can also be incubated. The current student also can be provided internships with incubatees. SREC SPARK is a separate entity and is a Section 8 company.

6. Mr. D.Ravichandran, Nominee from Industry enquired about the employees in the incubation centre and also enquired about the software testing / Validation certification process which the chairperson explained suitably to the member.

7. Dr.K.Vani, University Nominee enquired about the research centres in the institution. Chairperson – Academic Council informed that except Department of English all other departments are recognized research centres of Anna University. The full-time scholars will receive institution fellowhip which includes monthly stipend and also a contingency grant and other government fellowships.

8. Mr. Omkar, Expert Nominee enquired about the Tamil courses to be offered to the students and how the examination will be conducted either in English or Tamil. It was informed to the members that the courses can be delivered to the students and evaluation can be also in bilingual mode.

ITEM No.12

The chairperson mentioned the receipt of the following circular from various apex and accrediting bodies of technical education

1. Anna University, Chennai
2. Directorate of Technical Education

ANNA UNIVERSITY

1. Anna University – Application for Grant of Provisional Affiliation for the academic year 2023 – 2024 – To be submitted online – Existing Affiliated Colleges – Reg.

   Letter No. 491/AU/CAI/App_Affln/2023-2024 dated 11.01.2023

   ☞ **Explanatory Note: Received from Anna University to submit online application for Grant of Provisional Affiliation for the academic year 2023 – 2024.**

2. Anna University – Centre for Affiliations of Institutions (CAI) – Sri Ramakrishna Engineering College – No Objection certificate requested for closure of M.E. Computer Science and Engineering, M.E. Manufacturing Engineering and M.E. Power Electronics and Drives courses for the academic year 2023 – 24 – Reg.

   Letter No. 593/CAI/ AU/2023 dated 02.02.2023

   ☞ **Explanatory Note: Received from Anna University to submit necessary documents for the requisition of no objection certificate for closure of M.E. Computer Science and Engineering, M.E. Manufacturing Engineering and M.E. Power Electronics and Drives courses for the academic year 2023 – 2024**

3. Anna University – Academic Courses – Autonomous Institution – New Progamme - Reg.

   Letter No. 287/AU/CAC/2023 dated 07.02.2023

☞ **Explanatory Note: Received from Anna University to submit curriculum and Syllabi along with BoS and Academic Council minutes to start a new programmes**

4. Anna University – Academic Courses – Autonomous Institution – New Progamme - Reg.

Letter No. 591/AU/CAC/2023 dated 07.03.2023

☞ **Explanatory Note: Received from Anna University to submit entire curriculum and Syllabi for the new programme M.E. Artificial Intelligence and Data Science**

5. Anna University – Student Affairs – Readmission of Students in (Full-Time/Part-Time) UG & PG (2022-2023) – Degree Courses – Approval Accorded - Reg.

Letter No. Even/UG/UG(PT)/PG-RA/SA2/2022-2023 dated 18.05.2023

☞ **Explanatory Note: Received from Anna University for the readmission approval for the student Haridhraa Pranav.J and Saravana Kumar.T for the academic year 2022 – 2023.**

6. Anna University – No Objection Certificate – Starting of M.E. Artificial Intelligence and Data Science and M.Tech Robotics and Artificial Intelligence Courses – reg.

Letter No. 280/CAI/AU/2023 dated 11.05.2023

☞ **Explanatory Note: Received no objection certificate from Anna University to start M.E. Artificial Intelligence and Data Science and M.Tech Robotics and Artificial Intelligence Courses for the academic year 2023 – 2024**

DEPARTMENT OF TECHNICAL EDUCATION

7. Technical Education - Engineering Colleges – Readmission - 2022-23 – Even semester (II, IV, VI, VIII, X) - Readmission Order Issued - Reg.

Letter No : 50100/J1/2022 Dated : 20.03.2023

☞ **Explanatory Note: Received from Department of Technical Education for the readmission of Haridhraa Pranav.J and Saravana Kumar.T**

ITEM No.13

The following resolutions were moved and approved in the 18ᵗʰ Academic Council Meeting.

1. Dr. P.Karuppuswamy moved the resolution for the approval that Regulation 2020 (Learning Outcome based Curriculum through Choice based Credit) will be followed for all B.E./B.Tech. programmes for students admitted in the Academic year 2020 and Revised Regulation 2020 will be followed for all B.E./B.Tech. programmes for students admitted in the Academic year 2021 & onwards.

   Dr.S.Allirani seconded the resolution.

2. Dr. M.Senthamil Selvi moved the resolution for the approval of UG (Hons) with Specialization, UG with Minor and UG (Hons) under the B.E./B.Tech programmes as per Anna University circular dated 16.11.2022 Lr. No. 5749/AU/CAC/Honours/2022 as follows

S. N	Programmes	Specialization /Minors
1	Mechanical Engineering	Robotics
2	Electrical and Electronics Engineering	Electric Vehicles
3	Electronics and Communication Engineering	Internet of Things (IoT)
4	Electronics & Instrumentation Engineering	Sensors Technology
5	Computer Science and Engineering	Artificial Intelligence and Machine Learning
		Virtual and Augmented Reality
6	Information Technology	Cyber Security
		Data Science
7	Civil Engineering	Green Technology
8	Bio Medical Engineering	Healthcare Analytics
9	Aeronautical Engineering	Drone Technology
10	Artificial Intelligence and Data Science Engineering	Intelligent Systems

   Dr. V.Karpagam seconded the resolution.

3. Dr. K.Srinivasan moved the resolution for the approval of decision taken during the result passing board meetings from 58ᵗʰ to 60ᵗʰ meetings during the academic year 2022-2023.

   Dr. V.Ramamurthy seconded the resolution.

4. Dr.E.Sarojini moved the resolution for the approval of the decisions taken in the various Board of Studies of B.E./B.Tech programmes under SREC Revised Regulations 2020

   Dr.A.Murugarajan seconded the resolution.

5. Dr.K.Uthayarani moved the resolution for the approval of the decisions taken in the various Board of Studies of M.E./M.Tech/MBA programmes under SREC Regulations 2022.

   Dr.L.Ragunath seconded the resolution.

6. Dr.A.Sekar moved the resolution for the approval that the following Tamil Courses and its syllabi as recommended by Anna University, Chennai be approved to be included as the Mandatory courses.

   1. Heritage of Tamils

   2. Tamils and Technology.

   Dr.Vichitra Sivaji seconded the resolution.

7. Dr.M.Jagadeeswari moved the resolution for the approval of Foreign Technical Training program done at Swinburne University, Malaysia to be considered for Internship/Industrial Training under Employability Enhancement Courses as per clause 12 of Revised Regulation 2020.

   Dr. A.Grace Selvarani seconded the resolution.
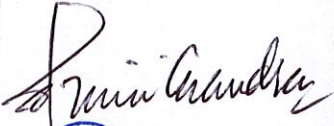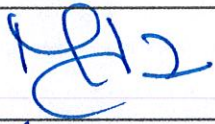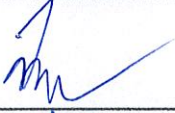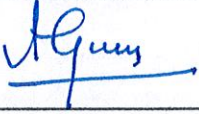
8. Dr.J.David Rathnaraj moved the resolution for the approval of candidates who have been readmitted during the academic year 2022-2023 in the respective semester as per the approval from the Directorate of Technical Education.
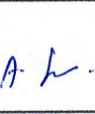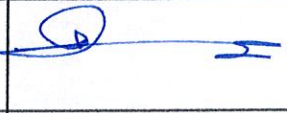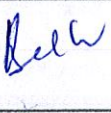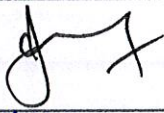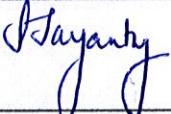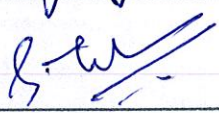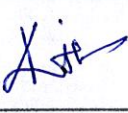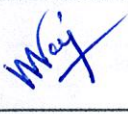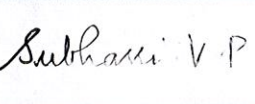
S.No	Name and Roll No	Department	Semester & Year of Readmission
1.	HARIDHRAA PRANAV J & 71812111016	AI&DS	II Sem / 2023
2.	SARAVANAKUMAR T & 2009029	CIVIL	IV Sem / 2023

   Dr. P.Moorthi seconded the resolution.

ITEM No.15

Dr.P.Karuppuswamy, Vice principal and Chairperson of Mechanical Board, thanked all the members for their active participation and their valuable suggestions for improvement and Autonomous functioning.

S.No	Name	Signature
1.	Dr. N.R.Alamelu, Principal	
2.	Dr.K.Vani, Professor, Department of Information Science and Technology, CEG Campus, Anna University, Chennai – 600 025.	
3.	Mr. Omkar Vikram Sankar, Chief Operating Officer, Sankar Group, Coimbatore.	
4.	Mr. D.Ravichandran, Managing Director, Applied Automation Systems Pvt. Ltd., Coimbatore.	
5.	Mr. Mahesh Prabhu, Chartered Accountant, CSK Prabhu& Co.,Coimbatore.	
6.	Dr. P.Karuppuswamy, Chair Person/MECH	
7.	Dr.S.Allirani, Chair Person/EEE	
8.	Dr.M.Jagadeeswari, Chair Person/ECE	
9.	Dr. K.Srinivasan, Chair Person/EIE	
10.	Dr. A.Grace Selvarani, Chair Person/ CSE & M.Tech CSE (5yrs Integrated)	
11.	Dr.M.Senthamil Selvi, Chair Person/IT	

12.	Dr. V.Ramamurthy, Chair Person / BME	
13.	Dr.A.Murugarajan, Chair Person / RAE	
14.	Dr.J.David Rathnaraj, Chair Person/AERO & CoE	
15.	Dr.E.Sarojini, Chair Person/CIVIL	
16.	Dr. V.Karpagam, Chair Person/AI&DS	
17.	Dr.P. Moorthi, Chair Person /M.Tech-NANO	
18.	Dr.K.Uthayarani, Chair Person/S&H	
19.	Dr.A.Sekar, HoD / MATHS	
20.	Dr.L.Ragunath, HoD/CHEMISTRY	
21.	Dr.Vichitra Sivaji, HoD/ENGLISH	
22.	Dr. Joshua Roy, Placement Officer	
23.	Dr.S.Jayanthy, Professor/ECE	
24.	Dr.S.Krishnaprabha, Associate Professor/MBA	
25.	Mrs. P.V.Kavitha, AP(Sl.G)/AI&DS	
26.	Dr. R. Ranga Raj, AP(Sr.G)/AERO	
27.	Ms. V.P.Subhasri/CSE	

28.	Mr. B.Rahul Prasad/CIVIL	
29.	Mr. M.Muthu Pavithran/BME	
30.	Mr. V. Ajay Devan/MECH	
31.	Dr.B.Nataraj, Associate Professor/ECE & Member Secretary	