

**A.V.C. COLLEGE OF ENGINEERING
MANNAMPANDAL, MAYILADUTHURAI
INTERNAL QUALITY ASSURANCE CELL
ACTION TAKEN REPORT**

Date: 19.05.2023

S.No	Plan of action	Achievements/ Outcomes
1	<p>1.School Visit for U.G Admission and Technical events for Polytechnic students for Lateral Entry Admission:</p> <p>To expose the facilities available at AVCCE and to educate the value of different disciplines of Engineering programmes like CSE, IT, ECE, EEE, ICE, Mech and Civil.</p> <p>The following programmes were planned in polytechnic and school level.</p> <ul style="list-style-type: none"> *Technical quiz *Treasure hunt *Circuit design <p>(i) To enhance the enrolment in UG I year and II year, the following programmes were planned to conduct at school and polytechnic level. To visit different schools in and around Mayiladuthurai and give awareness programme about the value of Engineering.</p> <p>(ii)To invite the higher secondary students for project expo at our institution to have higher visibility of our infrastructure.</p> <p>(iii)To conduct competitions and events like mathematical Quiz to the higher secondary students and various technical events for polytechnic students by</p>	<p>Visibility of our institution and the courses offered by us is increased.</p> <p>I year students enrolment increased by 19%.</p> <p>Lateral entry enrolment was 137 in 2021 against 41 in the year 2020.</p>

	different departments.	
2	<p>Students skill development: To make the students employable, the following skill development activities are planned:</p> <ul style="list-style-type: none"> (i) Inplant Training (ii) Industrial visit (iii) Internship (iv) Value Added Course to cover content beyond syllabus (v) MOOC/NPTEL (vi) Aptitude training by external agencies. 	<p>Higher education and placement.</p> <ul style="list-style-type: none"> (i) 171 students of various departments had undergone In-plant training in various companies. (ii) Our students had visited different industries like, Kerala Agro Machinery Limited, Kerala, Indian Naval Maritime, Kerala, Seablue Ship yard, Kerala, Glisten IT Pvt Ltd., Cochin, Kerala Electrical and Allied Engineering Co.Ltd, Cochin, Indian Institute of Food processing technologies, Thanjavur, IIM, Bangalore, ID fresh food India Pvt., Ltd., Bangalore, Vikram Sarabhai space center[ISRO], Nest Cyber campus Pvt.Ltd, Kochi, Thiruvananthapuram. (iv) Value added courses were conducted in all departments to cover the syllabus beyond their curriculum. (v) Since the inception, our Local chapter have consistently motivated our students and faculty to enroll for NPTEL certification courses. As an outcome, our institution is recognized as exam partner from July 2022 and also recognized as active local chapter. There are 771 enrolments in January-April 2022 examinations. 353 enrolments in July-December 2022 examinations. (vi) Aptitude training program were conducted for the final year students by Mr. B. Vinoth for the enhancement of Aptitude skills of students in on- campus and off-campus drives. Out of 305 eligible students, 183 students were placed in 41 companies.
3	To provide more employment opportunity to the students it is planned to visit various companies by the placement cell to conduct more placement drives.	<p>The placement member visited many companies and invited for placement recruitment.</p> <p>20 number of companies including TCS, Infosys, HCL, ZOHO, Wipro, Unipro software solutions (Singapore based MNC), Vuram Technologies, JBM groups (UK based MNC), City Union Bank provided 20 on-campus drives and 21 off-campus drives for the final year students</p>
4	To maintain quality, it is planned to apply for NBA accreditation for eligible	We got NBA accreditation for 4 out of 5 courses applied. Expert committee visited the departments from 10.06.2022 to 12.06.2022.

	courses.	Four departments [EEE, MECH, CSE & ECE] got accreditation.
5	<p>To enhance the knowledge of faculty, it is planned to conduct various faculty development programmes through different cell/Club activities.</p> <p>(i) IIC planned for more than 20 events.</p> <p>(ii) ISTE planned for one event.</p> <p>(iii) Alumni Meet to be celebrated again by Alumni Association after COVID pandemic.</p>	<p>The faculty members attained knowledge in the current field.</p> <p>(i) IIC - Institution's Innovation Council of our college conducted 38 different events for the benefit of students and faculties. IIC cell received Three Star Rating for various activities conducted at our institution as prescribed by the Innovation Cell, Ministry of Education, Govt. of India during the IIC Calendar year 2021 – 2022.</p> <p>(ii) ISTE - A webinar on 54th Engineers day was organized on the topic “Engineers for Skill Development & Employment in Combating COVID”. Er. K. Vaidyanathan, Associate Director, Verizon, Chennai was the chief guest of the day.</p> <p>(iii) Alumni Meet 2023 was celebrated on 17th December 2022 in College premises. Nearly 250 Alumni from various parts of the country and abroad participated in the Programme and shared their views. From each department, two alumni were honored with “Best Alumni contribution award -2022” and “Best alumni Entrepreneur award- 2022”.</p>
6	To improve research and patent filing attitude of the faculty, it is planned to form IPR cell with interested faculty members.	7 patents have been filed in the academic year 2022-23.
7	To encourage the faculty members to do Ph.D.	<p>*60 papers have been published in various National and International Journals and 35 papers have been presented in various National and International conferences by our staff members.</p> <p>*Out of 111 faculty members 59 faculties have completed their Ph.D degree. 24 faculty members are pursuing and doing Research Work in this academic year 2022-2023.</p>

**A.V.C. COLLEGE OF ENGINEERING,
MAYILADUTHURAI, MANNAMPANDAL – 609 305
INTERNAL QUALITY ASSURANCE CELL
MINUTES OF THE IQAC MEETING HELD ON 25.05.2023**

30.05.2023

The 8th IQAC meeting of A. V. C. College of Engineering (A.V.C.C.E) was held on 25th May 2023 at 10.30 a.m through online mode in Google meet platform chaired by Dr. C. Sundar Raj, Principal and chairman of IQAC. The following members were present.

1. Dr. M. Senthilmurugan, Director - Administration, A.V.C.C.E.
2. Dr. S. Selva Muthu Kumaran, Director -MCA & Vice-Principal, A.V.C.C.E.
3. Dr. G. Pradeep, Professor - MCA & Dean - Academic, A.V.C.C.E.
4. Dr. R. Nagarajan, Principal, A.V.C. College (Autonomous)
5. Dr.M.Aramudhan, HOD - IT, Perunthalaivar Kamarajar Institute of Engineering and Technology, Karaikal.
6. Mr. C. Kumar, Managing Director, CRP (India) Pvt. Ltd., Chennai.
7. Er. K. Arun Kumar, Information Security Engineer, PayPal India Pvt. Ltd, Bangalore, Alumni Member, A.V.C.C.E.
8. Dr. P. Balasubramanian, Professor- Mech, T&P Officer, A.V.C.C.E.
9. Dr. N. Dhanasekar, Professor-EEE, Coordinator-IQAC, A.V.C.C.E.
10. Dr. Ka. Suriyaprabha, Asst.Prof - ICE, Co-coordinator-IQAC, A.V.C.C.E.
11. Ms. M. C. Dharani, IV B.E (EEE), IQAC Student Member, A.V.C.C.E.

Minutes:

Dr. C. Sundar Raj, Principal and chairman of IQAC, welcomed the gathering, and was followed by the presentation of the academic details based on the agenda of the meeting by Dr. N. Dhanasekar, IQAC Coordinator.

Agenda No.1: To review the previous Meeting Minutes for compliance.

The IQAC confirmed the minutes of the previous IQAC meeting held on 19th January 2022 in online mode.

**Agenda No.2: To record the NBA Accreditation status for four programmes -
EEE, Mech, CSE and ECE.**

It has been recorded that the institution got NBA Accreditation for four programmes - EEE, Mech, CSE and ECE from August 2022 with validity period of 30.06.2025.

Agenda No. 3: To record the Success rate in the university results and rank holders list in the recently announced Anna University results.

Anna University Examinations student pass percentage was reviewed and it has been recorded that overall result in April 2022 for U.G and P.G were 48 % and 88 % respectively.

Agenda No. 4: To record the initiatives taken by the institution in 2021 to improve the admission for the year 2022.

It has been recorded that:

1.To attract Lateral Entry Students, the Management Quota tuition fees for the core branches was reduced in par with government fees.

2.ICE, EEE, Civil & MECH departments conducted competitive events among Polytechnic students to show our infrastructure.

3. Admission status for the year 2020-2021: $194+139 = 333/480=69.37\%$ and for the year 2021-2022: 233 + Lateral Entry.

4.The increasing trend of I year UG & PG and the II year Lateral Entry students were appreciated.

UG Admissions:

Academic year	I Year students	II Year Lateral Entry Admission
2020-2021	194/480	41
2021-2022	233/390	139

PG Admissions:

Academic year	MBA (45)	MCA (60)	ME	Total
2020-2021	40	52	02	94
2021-2022	45	60	07	112

Agenda No. 5: To review and record the research activities and Faculty research publications in the academic year 2021– 22.

It has been recorded that:

1. 47 research papers have been published by the faculty members of our institution.
2. A fund of Rs. 23,96,000 was fetched for sponsored research projects. (RPS – AICTE: Rs. 14,32,000; Research project – SERB: Rs. 9,64,000). Also, a fund of Rs. 3,79,500 was fetched by faculty members for organising seminar/workshop for faculty development.
3. 10 Staff members have completed their Ph.D and 2 staff members have submitted their thesis and waiting for the final Oral Viva-Voce Examinations.

Agenda No. 6: To record the internship, value added program and vocational education for skill development of the students beyond the syllabus.

It has been recorded that:

1. Our institution is recognized as exam partner of NPTEL from July 2022 and also recognized as active local chapter. There are 771 enrolments in January-April 2022 examinations. 353 enrolments in July/December 2022 examinations
2. Number of students undertaking internships: 120, number of students attended Inplant Training: 85 and number of students attended Add-on programs:7.

Agenda No. 7: To record the achievements by the institution for the year 2021-22.

It has been recorded that:

1. NBA Accreditation for four programmes - EEE, Mech, CSE and ECE with validity period of 30.06.2025.
2. Our institution received "District Green champion Award –2021" and awarded Rs. 1 Lakh cash.
3. Our institution received "One district one green champion Award –2021" and awarded Rs. 5000 By Government of Tamilnadu.
4. Recognized as Swachhta action plan Institution by MGNCRE, Ministry of Education, Govt. of India.
5. Our institution received membership award for National Rural Entrepreneurship mission.

Agenda No. 8: To review and record the placement activities and training inputs offered to students through Training and Placement cell/ Departments for improving the employability skills of students.

It has been recorded that:

1. 183 students were placed in 23 companies.
2. 119 on-campus drives and 64 off-campus drives were conducted.
3. 7 online and 1 offline training programmes were conducted.

Agenda No. 9: To review and recommend activities under various forums like Institution Innovation Council (IIC), Alumni Association, ISTE, etc.,

It has been recorded that:

1. IPR cell conducted 3 programmes and 11 faculty members published 5 patents.

2. Institution's Innovation Council (IIC) has secured three star rating in this academic year and conducted 28 activities (IIC Driven Activities – 13; MIC Driven Activities – 03; Celebration Activities – 05; Self Driven Activities - 07).

3. IIC received the grant of Rs.12,000 from AICTE - IIC under Impact Lecture Series Scheme and conducted two impact lecture series on July 1st 2022 and July 12th 2022 respectively.

4. Students participated in Smart India Hackathon (SIH) event and won first prize in the SIH-software edition on a shared basis.

5. Other Initiatives taken by IIC:

(i) 6 no. of student's & faculty ideas generated in Yukti Innovation Repository

(ii) 36 Students and 6 faculty members acted as mentors for the project

(iii) Members of IIC have attended Ambassador Training Programmes and advanced level training programmes and received certificates.

6. ISTE Staff Chapter organized "55th Engineers day" celebration on 15.09.2022.

7. Yoga Club Conducted "7th International yoga day" on 21.6. 2022.

8. 4 activities were conducted by EDP cell, 7 activities conducted by Alumni Association, 2 activities conducted by Women Empowerment Cell and 1 activity conducted by NSS, YRC, RRC and Eco Club.

9. It is recommended to continue the efforts taken by IPR Cell, IIC, ISTE and Alumni Association.

Agenda No. 10: To consider and approve the Annual Quality Assurance Report (AQAR) prepared for the academic year 2021 – 22.

The corrections pointed out by some of the members were recorded and amended in the AQAR for the academic year 2021-2022 circulated earlier.

The prepared Annual Quality Assurance Report (AQAR) for the academic year 2021-2022 was circulated and it got approved by the cell with some amendments suggested by the IQAC members for e-submission to NAAC office.

Agenda No. 11: plan of action for setting quality benchmarks in Academic, Administrative, Research and Extension activities in the Institution apart from the existing best practices for the year 2023-24.

1. To renew the NAAC accreditation (Third cycle) in the month of July 2023.
2. To apply for NBA accreditation for MCA, MBA and B.Tech (IT) programmes in the forthcoming year.
3. To reduce the admission strength in the un-demanded courses in order retain the enrolment percentage above 50% to satisfy the NBA norms.
4. Placement training to be conducted right from the first year onwards.
5. GATE exam awareness and coaching.
6. To get better ranking in NIRF

Agenda No. 12: Any other matters with permission of Chair Person.

the members of the committee have suggested the following quality initiatives can be adopted:

1. Conduct of awareness and coaching classes for GATE and Civil service examinations and number of students going for higher studies to be increased.
2. Placement can be improved by making the institution TCS accredited.
3. Collect feedback from recruited companies and to make a survey of the discipline which got placement easily and difficultly.
4. Obtain data of students who are as entrepreneur. Students should be motivated to become entrepreneur using self learning books like "Strategy to become entrepreneur".

The meeting ended at 11.30 a.m. with vote of thanks delivered by Dr. Ka. Suriyaprabha, IQAC Co-Coordinator, A.V.C.C.E.
