



# R.M.K. ENGINEERING COLLEGE

(An Autonomous Institution)

R.S.M. Nagar, Kavaraipettai - 601206



## MINUTES OF THE 24<sup>th</sup> IQAC MEETING HELD AT 10:30 AM ON 24-12 -2022 Venue: AICTE RMKEC IDEA LAB

### Preamble:

1	Thiru. R.S. Munirathinam	Founder - Chairman
2	Thiru. R.M. Kishore	Vice-Chairman
3	Dr. M.S.Palanichamy	Advisor & Educationist representing local society
4	Dr. K.A.MohamedJunaid	Principal and IQAC Convener
5	Dr. K. Chandrasekaran	Dean - Academics
6	Dr.Elwin Chandra Moni	Dean Research
7	Dr.S.PavaiMadheswari	Academic Coordinator &HoD- S&H
8	Dr.BinuSukumar	HoD - CE
9	Dr.T.Sethukarasi	HoD - CSE
10	Dr.GeethaRamadas	HoD -EEE
11	Dr.T.Suresh	HoD- ECE
12	Dr. T. Gnanasekaran	HoD-EIE
13	Dr.K.R.Senthil Kumar	HoD-MECH
14	Dr.M.SheerinBanu	HoD- IT
15	Dr.Sandra Johnson	HoD - ADS
16	Dr.K.ChidambaraThanu	HoD- CSBS
17	Dr.S.ThangaRamya	HoD- CSD
18	Dr. K. K. SivagnanaPrabhu	Head, Training and Corporate Affairs
19	Mr. B. Kumar	Manager, RMKEC
20	Mr.Elango	Administrative officer
21	Dr.V.Srinivasan	Prof-S&H &CoE
22	Dr. A. Kadirvel	Prof/MECH, Transport-in-charge
23	Dr. M. Seenivasan	Chief Librarian
24	Dr.S.D.UmaMageswari	Professor / S&H and Higher Education Coordinator
25	Mr. S. Venkatraman, Chief BIM Modeller,COWI India Pvt Ltd,	Alumni and Industrialist
26	Ms. K. Sathiarekha, Senior Programmer Analyst, Zifo R&D Solutions, Chennai.	Alumni and Industrialist
27	Dr. VakadaKrishnarjuna Rao	Assistant Director
28	Dr. S. Vijayalakshmi	Professor/ ECE, IQAC Coordinator
29	Dr. Murali Krishna T	Professor / Civil
30	Dr. P.Kavitha	Assoc. Prof. / EEE
31	Mr. K. Vijayanand	Assoc. Professor /EIE
32	Mr.K.Naresh Kumar	Asst.Professor/EEE

IQAC meeting was presided over by our respected Chairman sir. Vice Chairman sir welcomed all the members for the 24<sup>th</sup> IQAC meeting. Principal welcomed all the internal and external members for the 24<sup>th</sup> IQAC meeting in Physical mode. Principal presented the agenda of the meeting to all the members.

## **1. REVIEW OF PREVIOUS MEETING**

Principal reviewed the following points discussed in 23<sup>rd</sup> IQAC meeting conducted on 17<sup>th</sup> September 2022 in the presence of all the IQAC members

- ✓ Structure of 2022 Curriculum
- ✓ NPTEL Registration
- ✓ NPTEL and INFOSYS Spring board courses in Curriculum
- ✓ End semester Result Analysis – 2021-22(EVEN)
- ✓ Target pass percentage – ODD Semester 2022-23
- ✓ Research Progress
- ✓ Placement – 2022 and 2023 Batch
- ✓ Higher studies, Entrepreneur, IIC, Club - Activities
- ✓ AQAR Preparation and submission
- ✓ Activities of Idea lab

## **2. ACTION TAKEN REPORT ON PREVIOUS MEETING**

- The Curriculum structure 2022 for the students admitted in the academic year 2022-23 was presented in academic council meeting and the members of the academic council approved the same.
- Faculty members and students registered for the July- December 2022 NPTEL examination and the results were published. Our college received Students registered for NPTEL exams and results were published
- INFOSYS spring board courses are introduced in curriculum 2022 as assignment courses.
- In odd semester 2022-23, Continuous assessments were conducted to achieve the target pass percentage.
- Progress in paper publication, Research projects, consultancy and patent by each department is discussed in research meeting.
- Placement percentage of 2023 Batch is improved compared to last IQAC Meeting.
- Club activities for the academic year 2022-23 – ODD semester is completed.
- Annual Quality Assurance Report for the academic year 2020-21 is submitted.
- Two days seminar on “Innovative Practices for Quality Enhancement through IQAC in Higher Education Institutions” in collaboration with National Assessment and Accreditation council on 28th October 2022 and 29th October 2022.
- 32<sup>nd</sup> Alumni Meet is planned to conduct on 08.01.2023.
- ISO Formats are revised on par with EOMS standard and it is submitted to the Management for approval.

### 3. ACHIEVEMENTS OF FACULTY MEMBERS AND STUDENTS

Principal appreciated the 18 faculty members and 125 students those who received awards and recognitions in the Odd semester 2022-23

### 4. CURRICULAR ASPECTS

#### a. New Regulations and curriculum for the students admitted in the academic year 2022-23

Principal stated the salient features of 2022 Regulations as follows

- ✓ Each semester, the curriculum shall normally have a blend of Theory courses, Theory courses with laboratory component, Laboratory courses with theory component, Laboratory courses, Employability Enhancement Courses, Mandatory Courses, Audit Courses (not exceeding 12).
- ✓ Maximum of one online course per semester, with the approval of Head of the Institution, in lieu of Professional core / Professional elective /Open elective courses.
- ✓ 75 working days (or) 525 periods of 50 minutes each.
- ✓ Minimum one third of the class strength is required to choose a elective course.
- ✓ The maximum number of credits that can be registered in a semester is 36.
- ✓ The students shall undergo the seventh semester courses other than the Project Work – Phase I, if any, in the fifth and sixth semesters, provided they do not have current arrears and have a CGPA of 7.50 and above at the end of Semester IV.
- ✓ Change in scheme of assessment and weightage for continuous assessment and end semester examination.
- ✓ In addition to already available grades, 'C' grade is introduced for marks between 50 to 55.
- ✓ Minor Degree or Honours Degree will carry 18 to 20 credits in addition to the credits essential for obtaining the Under Graduate Degree in Major Discipline

Principal presented the first and second semester Curriculum of all the departments for the students admitted from the academic year 2022-23 onwards and discussed the below points.

- ✓ Software development Practices and programming in C++ were offered to the students in first semester itself.
- ✓ First year students have registered their laptops to avail the wifi connectivity. Those who are not able to buy laptop the management has decide to provide the same on loan basis.
- ✓ Product development lab is introduced in curriculum itself as one credit course using Idea lab.

Four Modules of Product development lab is as follows

First Semester	Presentation of Idea
Second Semester	Literature survey and identification of resources
Third Semester	Implementation
Fourth Semester	Demonstration

**b. Students/ faculty members - NPTEL exam results - ODD Semester 2022-23**

- Principal stated that the college got 62<sup>nd</sup> position in NPTEL and congratulated the 4 toppers among faculty and 7 toppers among students. He appreciated the HoDs, NPTEL overall and department coordinators for their constant motivation and guidance.
- Faculty members and students NPTEL results of July – December 2022 is consolidated as follows

Dept	Total No of faculty	Faculty Registered for the course	Faculty Registered for the exam	No. of Faculty received Certificates	Total No. of Certificates	% of Certificates	No of certificates received by the faculty				
							Successfully completed	Elite	elite+silver	elite+gold	Topper
CE	10	9	9	9	9	100	1	5	3	0	1
EEE	18	17	16	13	15	81.25	6	5	4	0	0
ECE	28	28	24	8	9	33.33	3	4	2	0	3
EIE	8	8	3	3	3	100	2	0	1	0	0
MECH	16	16	10	5	6	50	2	4	0	0	0
CSE	34	30	3	1	1	33.33	1	0	0	0	0
IT	11	9	4	1	1	25	1	0	0	0	0
ADS	7	6	6	4	4	66.67	1	3	0	0	0
CSBS	8	8	7	6	6	85.71	2	4	0	0	0
S&H	44	44	23	20	20	86.96	2	13	3	2	0
CSD	3	3	1	1	1	100	1	0	0	0	0
<b>Total</b>	<b>187</b>	<b>178</b>	<b>106</b>	<b>71</b>	<b>75</b>	<b>66.98</b>	<b>22</b>	<b>38</b>	<b>13</b>	<b>2</b>	<b>4</b>

Dept	Total No of students	No of students Registered for the course	No of students Registered for the exam	No. of Students received Certificates	Total No. of Certificates	% of Certificates	No of certificates received by the faculty				
							Successfully completed	Elite	elite+silver	elite+gold	Topper
CE	101	91	39	9	9	23.08	6	2	1	0	0
EEE	233	220	101	37	37	36.63	27	10	0	0	0
ECE	548	369	240	110	110	45.83	46	59	2	3	3
EIE	97	97	59	46	46	77.97	26	19	1	0	0
MECH	214	214	51	23	24	45.1	15	7	2	0	0
CSE	556	550	257	163	163	63.42	3	74	82	4	3
IT	180	180	119	84	85	70.59	48	27	10	0	0
ADS	121	90	90	51	51	56.67	19	28	4	0	0
CSBS	122	119	84	55	55	65.48	19	27	9	0	1
CSD	55	52	52	16	16	30.77	2	5	9	0	0
<b>Total</b>	<b>2227</b>	<b>1982</b>	<b>1092</b>	<b>594</b>	<b>596</b>	<b>54.4</b>	<b>211</b>	<b>258</b>	<b>120</b>	<b>7</b>	<b>7</b>

**c. Minor and Honours degree approval from Anna University**

Principal informed about the approval received from Anna University for providing minor degree and Honors degree for U.G students who have joined from 2021-22 onwards. Identification of Minor and Honours degree for 2022-23 students is approved by Academic council and Ratification

will be received for 2021-22 students in the forthcoming academic council meeting. AICTE gave approval for Web development course in which Dr ChidambaraThanu has completed all 5 levels of training.

## 5. TEACHING LEARNING AND EVALUATION

### a. Student Enrolment – Academic Year 2022-23

IQAC Coordinator presented the department wise enrollment. 800 out of 819 students were admitted for the academic year 2022-23 including AICTE fee waiver scheme.

### b. Student - faculty ratio

Each department maintains a faculty student ratio of 1:12 to 1:15. The overall college faculty student ratio for the academic year 2022-23 is 1:14.6.

### c. Usage of ICT and E resources

- ✓ Each department is equipped with LCD projectors and viewsonic boards.
- ✓ Digital course Materials are uploaded in college website for the benefit of students. Students are encouraged to do coding practice in Skillrack Portal.
- ✓ Google classroom are created by faculty members to manage and post course related information.
- ✓ Wifi enabled campus facilitates to conduct Virtual labs.

### d. Performance of students in First internal and second internal Assessment – Odd semester 2022-23

Performance of students in first internal assessment, second internal assessment and model examination is compared and noticeable improvement is identified in their performance.

## 6. RESEARCH INNOVATION AND EXTENSION

Dr. Geetha Ramadas, Research Coordinator, updated on the following Research and Development activities.

### a. Journal Publications

- ✓ Consolidation of journals communicated, accepted and published in SCI, WoS and Scopus indexed journals is given below

Period	Communicated	Accepted	Published
September to November 2022	213	120	91
January to November 2022	263	164	221

### b. Patents Applied/Published/Granted

- ✓ Number of Patents Applied/Published/Granted is as follows

Period	Filed	Published	Granted
September to November 2022	8	19	-
January to November 2022	42	71	3

**c. Research Projects submitted of all the departments.**

- ✓ 79 Research proposals were submitted by faculty members worth Rs. 849.35 lakhs to various funding agencies from September 2022 to November 2022.
- ✓ Rs. 47.9 lakhs has been sanctioned to carry out research projects from 01.04.2022 to 31.11.2022.

**d. Consultancy Projects completed by all the departments.**

- ✓ 12 consultancy projects worth Rs. 6.73 lakhs were completed as on 30.11.2022

**e. Ph.D Pursing/ Completed by the faculty of all the departments.**

- ✓ 73 faculty members are pursuing the Ph.D. Following faculty members completed Ph.D in the month of November and December 2022.

Dr. Chandla Ellis – EEE

Dr. Y.Alexander Jeevanantham – EEE

Dr. Naresh Kumar Thapa K- ECE

Dr. J Bharat Singh-EIE

**7. STUDENT SUPPORT AND PROGRESSION**

**a. Placement**

Dean career development presented the placement activities

- ✓ Placement Training Programs completed for first, Third, Fifth and Seventh semester students during the odd semester 2022-23.
- ✓ Training programs planned for even semester 2022-23.
- ✓ Number of students placed and number of companies visited the campus for the 2023 Batch.
- ✓ Number of students placed in higher salary package in 2023 Batch.
- ✓ Japanese Language training for lateral entry students.
- ✓ TOEFL – ESSENTIALS certification for Pre-final year students.

**b. Review of club activities**

- ✓ Each departments conducted one/two activities under each club in the odd semester 2022-23 for their respective students.
- ✓ Overall club incharges conducted the following activities for all the department students with theme based on SDGs.

Club	Club incharge	Overall club incharge	Sustainable development Goal Number	Common activity conducted for all dept	Date of Event
Math Club	ADS	Ms.C. Vimala Josphine	12	Math Challenge: Consumption and Production	31.10.2022
Language Club	CSD	Ms.L.Raji	4	Poetry Writing	20.10.2022
Science and Innovation Club	CSBS	Mr. C. M. Varun	9	Idea Presentation	31.10.2022

Coding Club	CSE	Dr. M. Lakshmi Haritha	8	Challenge coding through Hacker rank	19.10.2022
Photography Club	IT	Dr.S.Selvakanmani	15	Life on Land	28.10.2022
Astronomy Club	CIVIL	Ms.R.Aishwarya	4	Astro Photography	15.11.2022
Tedx Club	EEE	Mr.Alexander Jeevanantham	4	TeD Talk	29.10.2022
Eco Club	ECE	Mr.A.Sivakumar	7	Drawing Competition.	22.10.2022
Cultural Club	EIE and MECH	EIE: Dr. N.M. Jothi Swaroopan MECH: Dr.S.D.Sekar	5	Solo Singing and Adzap	12.11.2022
Yoga Club	EIE and MECH	EIE: Ms.K.R.Chairma Lakshmi MECH: Mr.K.Sengottaiyan	3	Yoga competition	11.11.2022

## 8. RANKING AND ACHIEVEMENTS

### a. NIRF Ranking and improvement strategies

Dr.K.ChithambaraThanu informed that 01.06.2023 is the last date for applying and the data were collected.

### b. AQAR report submission status

Dr. Sandra Johnson, HoD - ADS. & Dr. Murali Krishna T, Assoc. Prof. / Civil., stated that AQAR for the year 2020-21 is submitted and the about the progress of AQAR preparation for the year 2021-22.

## 9. BEST PRACTICES AND PROPOSED NEW INITIATIVES 2022-23

### a. International Conclave – Engineering a future world for Society 5.0

Principal informed that the International Conclave – Engineering a future world for Society 5.0 took place on 15<sup>th</sup> and 16<sup>th</sup> of December 2022 with the sponsorship of 2 lakhs from management where the participants are our alumni. The live stream was given in zoom and RMKEC YouTube channel. The recordings are available in the channel that can be viewed at any time.

### b. Idea Lab status and activities planned for academic year 2022-23

Principal conveyed that about the various activities organized by Idea lab to school students as well as teachers during odd 2022-23.

The idea lab is incorporated in the curriculum as Product development lab for the students joined in 2022-23.

Principal conveyed that RMD and RMKCET has got the approval from AICTE for establishing Idea lab in self-financing mode. Our management is readily accepted to invest the money for the establishment.

### c. Guest Lecture series (Online) – YouTube live streaming – 2 Programs/Month

It is proposed to conduct two guest lectures per month and telecast to it in our college YouTube channel. The resource persons will be across the globe from various institutions and industries.

Each department is informed to organize one technical and one non-technical topic per month.

#### **d. Short Term course – Alumni – 4 Programs/Year**

Management has initiated to conduct short term courses for the passed out students. Courses offered as minor and Honours for 18 to 20 credits for U.G students will be conducted as short term course and certificates will be provided. Planned to conduct four programs per year. With the permission from Anna University and UGC certificate will be issued. Details of courses will be posted in college website. Alumni can register, participate and complete the courses successfully to earn the certificates.

#### **10. PRESENTATION BY OTHER MEMBERS**

- Principal sir informed that Mr. J Venkatesh and Mr. Ratnakar Rao has sent mail stating their inability to attend the IQAC in person and they conveyed their wishes.
- Ms. Sathiyarekha / Alumni of IT department 2014 batch and industrialist expressed her happiness to know about the growth of college in all aspects. She added that the juniors are very fortunate enough to have these facilities. She also expressed her gratitude for the excellent support from faculty college and management. She emphasised on the need to improve the design thinking capability and problem solving skills of the students. She suggested to have a forum for the alumni and junior's interaction.
- Dr. Sheerin Banu HoD-IT said that the design thinking course is included in the curriculum itself during the third semester.
- Mr. Venkatraman / Alumni of Civil department 2014 batch and industrialist said that college has developed in various aspects. He expressed his happiness towards the various new initiatives. Expressed his satisfaction towards the idea lab initiation in RMD and RMKCET colleges. He also added that the curriculum is excellently framed since the programming courses are offered for civil students. He extended his wish to be a part of lab development. He also expressed his happiness to note that the faculty are getting trained in recent technologies.
- Mr. Seenivasan / chief librarian informed the members about the new initiative namely Library information system through which daily news is sent to all the HoDs. The NDLI activities are taking place in all the departments.
- Dr. S.D Umamageswari Higher Education cell coordinator has informed the members about the MoUs signed with NITTTR, ETS Pvt Ltd, and Taylors University. New certificate programme is planned to start for the present third year students by the Taylors University is under discussion.
- Civil HoD thanked the Alumni Mr. Venkatraman for his continuous support to the department in all the aspects like guest lecture, Alumni mock interview etc.
- VakadaKrishnarjuna Rao, Physical Director proudly shared that C R Dhawan and Chandru has represented All India inter university meet and won Bronze medal. He also said that first time in the history of RMK women badminton team and tennis team participated in zonal matches and bagged 2<sup>nd</sup> place. Keerthana of CSBS department was selected by Anna University to represent in inter



university competition at KOTA. For that the withdrawal from end semester exam is recommended. In weight lifting conducted by IIT Gymkana our students bagged two gold two silver and 1 bronze medals. He thanked the management and Principal for their full support and encouragement.

- Principal Sir informed all the members the following points:
- ✓ Principal proudly shared about the 10% DA increment given by Management. Based on faculty performance appraisal, yearly increment is given to the faculty members.
  - ✓ All the faculty members have registered in VIDWAAN portal.
  - ✓ Dr. Y Sukhi is appointed as Library officer. Every day, 2-4 news about the technology development is prepared and sent to HoDs. He requested the HoDs to circulate the same to all the students.
  - ✓ It is planned to offer 3.5 +1.5 Years programme in Binghamton university. The students can do their higher studies during their 8<sup>th</sup> semester itself.
  - ✓ From 2022-23 batch onwards TOFEL course is mandatory instead of BEC course.
  - ✓ The graduation day for 2021 batch of students is scheduled on 8<sup>th</sup> January 2023.
  - ✓ It is planned to conduct alumni meet during February 2023 for the alumni upto 2020 batch.
  - ✓ He informed the HoDs and Alumni members to give a reach out to our college social media like YouTube, Twitter, linkedin Facebook etc.

#### KEY DISCUSSION POINTS AND CONCLUDING REMARKS

The key discussion points and action items are as given below.

No.	Discussion point	Responsible person	Target Date of completion or status review
1	Autonomous Syllabus -2022	Principal and all HODs and faculty members	January 2023
2	Minor and Honours Degree for students admitted in the academic year 2021-22	HoDs	January 2023
3	Improvement in Research categories	All faculty members	Continuous
4	Guest Lecture series (Online) – YouTube live streaming – 2 Programs/Month	HoDs	Continuous
5	Short Term course – Alumni – Programs/Year	HoDs	Continuous
6	NIRF Submission	Dr.K.ChidambaraThanu & Respective coordinators	January 2023
7	AQAR (2021 - 22) Report preparation status	Dr. Sandra Jhonson, Dr. Murali Krishna T & Respective coordinators	February 2023

- Dr. S.Vijayalakshmi, proposed a vote of thanks , thanking all the members of IQAC for their valuable suggestions given for the further improvement of the quality standards of institution and for their future involvements.
- Principal thanked all the members of the IQAC for their participation and active involvement in the discussions.



Station : Kavaraipettai

Date : 30-12-2022

*Junaid*  
 30/12/22



**PRINCIPAL / IQAC CONVENER**

**Dr. K.A. MOHAMED JUNAID, M.E., Ph.D.,**  
 PRINCIPAL

**R.M.K. ENGINEERING COLLEGE**  
 R.S.M. NAGAR, KAVARAIPETTAI-601 206  
 GUMMIDIPOONDI TALUK, TIRUVALLUR DIST.

Copy to

- 1) Dean Research
- 2) All the HoDs
- 3) IQAC Members

CC: Chairman / Director / Vice-Chairman / Advisor - for favour of kind information



# R.M.K. ENGINEERING COLLEGE

(An Autonomous Institution)

RSM Nagar, Kavaraipettai – 601 206.

Internal Quality Assurance Cell (IQAC)

24<sup>th</sup> IQAC MEETING

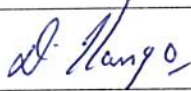

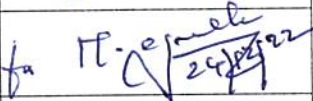



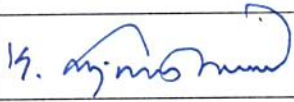




Attendance Sheet



Date: 24.12.2022 (Saturday)

Time: 10.30AM –12.30 PM

S.No.	IQAC Member	Representing	Signature
1	Thiru. R.S. Munirathinam Founder - Chairman	Founder - Chairman	
2	Thiru. R.M. Kishore Vice-Chairman	Vice-Chairman	
3	Dr. M.S.Palanichamy Former Vice Chancellor Tamilnadu Open University	Educationist representing local society	
4	Dr. K.A. Mohamed Junaid Principal (Convener)	Head of the Institution	
5	Dr. S.Vijayalakshmi Prof.- ECE	IQAC Coordinator	
6	Dr. K. Chandrasekaran Dean - Academics	Dean - Academics	
7	Dr. Elwin Chandra Monie Dean - Research	Dean - Research	
8	Mr. B. Kumar Manager, RMKEC	Member representing the Management	
9	Dr. S. Pavai Madheswari Academic Coordinator and HoD – S&H	Senior Teacher	
10	Dr. Binu Sukumar HoD – Civil	Senior Teacher	
11	Dr. T. Sethukarasi HoD – CSE	Senior Teacher	
12	Dr. Geetha Ramadas HoD –EEE	Senior Teacher	
13	Dr. T. Suresh HoD – ECE	Senior Teacher	
14	Dr. T. Gnanasekaran HoD - EIE	Senior Teacher	
15	Dr.K.R.Senthil Kumar HoD – Mechanical	Senior Teacher	
16	Dr. M. Sheerin Banu HoD – IT	Senior Teacher	
17	Dr. Sandra Jhonson, HoD – ADS	Senior Teacher	
18	Dr. Chidambarathanu K HoD – CSBS	Senior Teacher	
19	Dr.Thanga Ramya S HoD-CSD	Senior Teacher	
20	Dr. K.K.Sivagnana Prabhu Dean – Career Development Centre	Training, Placement and Corporate Affairs	

S.No.	IQAC Member	Representing	Signature
21	Mr.D.Ilango Administrative officer	Administrative Office	
22	Dr. V.Srinivasan Controller of Examinations	Controller of Examinations	
23	Dr. A. Kadirvel Transport-in-charge	Transport Incharge	
24	Dr. M. Seenivasan Chief Librarian	Library Incharge	
25	Dr. Vakada Krishnarjuna Rao Assistant Director	Physical Education	
26	Dr. S.D. Uma Mageswari Member, Rotary Club of Gummidipoondi Industrial City	Local society	
27	Mr. K. Vijayanand Assoc. Professor /EIE	Alumni Representative	
28	Mr. S. Venkatraman, Chief BIM Modeller,COWI India Pvt Ltd,	Alumni and Industrialist	
29	Ms. K. Sathiarekha, Senior Programmer Analyst, Zifo R&D Solutions, Chennai.	Alumni and Industrialist	
30	Dr.P.Kavitha Assoc.Prof./EEE	IQAC Member	
31	Dr. Murali Krishna T Prof. / Civil	IQAC Member	
32	Mr. K. Naresh Kumar Asst. Prof. / EEE	IQAC Member	