

NATIONAL ENGINEERING COLLEGE, K.R.NAGAR, KOVILPATTI
(An Autonomous Institution – Affiliated to Anna University Chennai)

13th MEETING – INTERNAL QUALITY ASSURANCE CELL

Date: 20/01/2018

Time: 11.00 A.M

Venue: Conference Hall of the Administrative Block

AGENDA

- ☞ WELCOME ADDRESS
- ☞ Confirmation of Minutes of 12th IQAC Meet
- ☞ QUALITY BENCH MARKS
 - ✓ 100% CAREER SETTLEMENT
 - ✓ HIGH QUALITY RESEARCH
 - ✓ INDUSTRY ENGAGEMENT
 - ✓ OUTREACH PROGRAMMES
 - ✓ STUDENT POTENTIAL TRANSFORMATION
- ☞ ANY OTHER MATTER
- ☞ VOTE OF THANKS

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Minutes of 13th Meeting

Date: 20.01.2018

The 13th meeting of IQAC was held on 20.01.2018, 11.00 AM at Conference Hall. Principal welcomed the members and briefed about quality benchmarks and short-term goals for academic departments. The coordinator narrated about the minutes of 12th meeting and presented action taken report before the members.

The IQAC members discussed about the following quality bench marks

- **100% Career Settlement**
- **High Quality Research**
- **Industry Engagement**
- **Outreach Programmes**
- **Student Potential Transformation**

13.1 100% Career settlement

- The coordinator briefed about the placement details of all academic departments from June 2017 to January 2018.
- Principal advised HoDs that the % of placements is to be improved within six months to achieve the target.

13.2 High Quality Research

S.G.1: Qualification – At least 30% of faculty to be with Ph.D. and recognized as supervisors.

- Coordinator briefed about the % of faculty with Ph.D. and recognized supervisors in each department.
- The Principal suggested that the % of faculty with Ph.D. in EEE and CIVIL departments have to be increased and the faculty pursuing Ph.D. are to be motivated to complete their Ph.D. quickly by proper planning.

S.G.2: Academic Research – 50% of the faculty with High IF Journal publication; at least 2 Full time Ph.D. Scholars with fellowship / JRF / SRF

Coordinantor presented about the details of % of faculty with High IF Journal publications from June 2017 to January 2018 in each department.

- Principal requested HODs to advise the faculty members to publish their research work in the web of science journals to enhance the quality.
- Also, the principal told that our Management has approved Institutional Fellowship Scheme for doing full-time Ph.D. under NEC supervisors. The fellowship is Rs 10,000/- per month.

13.3 Industry Engagement

S.G.1: Setting up of industry supported facilities in each department.

The following incubation centers are established in this academic year

| S. No. | Name of Department | Name of Incubation center | Name of Industry | No. of students Involved |
|--------|--------------------|----------------------------------|--|--------------------------|
| 1. | CSE | AJ & J Tech Solutions Pvt., Ltd. | AJ & J Tech Solutions Pvt., Ltd, Bangalore | 04 |
| 2. | IT | Bizplus Product Development Lab | Bizplus Services, Chennai | 9 |

S.G.2: Signing of MoU with Industries and Mutual benefits.

- MoU has been signed with the AJ & J Tech Solutions Pvt., Ltd. on November, 2017 for the period of 5 years.
- Principal advised HODs to have more collaboration with the industries to achieve the MoU activities like an internship, placement and consultancy.

S.G.3: Providing consultancy services for industrial problems.

The following consultancy services have been initiated by various departments and progress is given below for this academic year

| Department | Name of Consultancy | Amount | Period | Purpose |
|------------------------|---|--------------|-----------------|--|
| Mechanical Engineering | CM Envirosystems Pvt Ltd., Bangalore | Service work | 2017-18 | Solution for Design issues |
| | Veubro polymers, Erode | Rs.25,000/- | From 16.09.2017 | Hot air seiling methodologies for woven sack |
| CSE | TATA Power Strategic Engineering Division | Rs. 3,60,000 | 2017-18 | Services in the area of Intelligence |

| | | | | |
|-------------------|--|-------------|-----------|---|
| EEE | Excel Pneumatics Hydro (India), Nanguneri, Tirunelveli | Rs. 3,500/- | 2017-2018 | Electrical withstand test and megger |
| Civil Engineering | Ramco Cements Ltd & Air voice Telesystems and Infrastructure Private Ltd., | Rs.27,000 | 2017-2018 | To determine Soil bearing capacity, Compressive Strength Test-Concrete cube |

13.4 Outreach Programmes

Principal informed the members that the faculty members have been encouraged to attend the courses/workshops (like GIAN) conducted by IITs, NITs for the updation of knowledge and networking with peers and researchers

Further, the faculty members are encouraged to attend industrial training programmes for getting industrial exposure once in two years.

13.5 Student Potential Transformation


- The coordinator briefed about the quality enhancement activities carried out NEC in coordination with IQAC to improve the competency of the faculty and students.
- Further he has listed the activities carried out in our campus from June 2017 to January 2018.
 - Students have participated in various activities organized by IIT, Madras, NIT, Trichy, NIT, Karaikal, IIT Research Park Chennai CIT, Coimbatore IIT, Hyderabad etc.,
 - Career Guidance Programmes were conducted by Alumni Mr.V.Senthil Kumar, (Alumni 1992 – 1996, ECE) Scientist - SG, Division Head, Antenna and Passive Systems Division, ISRO Satellite Centre, Bangalore, Dr.Shajulin Benedict, (Alumni 1997 – 2001, ECE), Mr.R.Pandirajan (Alumni 2007–11, EIE), Mr.M.Balakumara Vignesh and Mr.A.Surendharan (Alumni 2012–16, EIE), Mr.M.K.Assan Fakkir (Alumni 2010, EEE), Mr.K.Arumugam, (Alumni 2005, Mech.) Mr.A.Aravind Raj, (Alumni 1990, Mech) etc and they interacted with the students.
 - Various seminars,workshops and symposiums such as Embedded System Device Interfacing Practice, Efficient Document Writing - using LaTeX, 'Industrial Automation, Development of IoT Applications Across Industries, Agile Methodology, Predictive Maintenance and Remote Monitoring of wind turbines using IoT and Big Data were organized for the students and faculty

- In this regard, Principal informed the members that more than 100 events are being conducted every year to improve the competency of the faculty and students.
- Also, he requested the student members to give their views about the quality enhancement activities and wanted to know whether all the students were aware of such activities carried out in the campus.
- Bala Abirami.S, III Year EEE informed that except mentoring system, we aware about all other programs. Principal said that mentoring system is nothing but our tutoring system. Further, she requested the principal to provide provisions to learn foreign languages like German and Japanese to do higher studies in other countries.
- Ashwin Kumar.S, III Year EIE requested to arrange programs for improving the survival skills. Further he requested that more number of GATE questions may be solved in the regular classes. Also, he suggested that more awareness is to be created among the students about OBE assessments. In addition, he insisted to arrange the activities continuously for the students during odd Saturdays. Also, he stated that Junior – senior interactions is to be improved.
- Students requested to formulate a “student body” to discuss their issues with themselves.
- Ashwin Kumar.S, III Year EIE further suggested that the objective type questions may be included in our question pattern. Principal said that 10% of marks may be allotted for the same.
- Students sought that the number of readers’ park activities may be increased.
- Anushri.R, III Year Civil requested that the Ladies hostel in - time hours may be extended upto 7.00 pm in order to utilize the lab facilities at their departments in the evening time. For that, the members requested the Principal to provide the security service upto 7.00 pm.
- Anushri.R, III Year Civil further requested to arrange a coach for shuttle badminton (for Girls).
- Maheswari, III Year IT requested to extend English laboratory facilities to third year and final year students for improving the communication skills at the time of campus placements.
- Venkatesh @ Periasamy, IV Year Mechanical Engineering requested to make provision for Maintenance mail id for the students for registering their day to day complaints. Further, he insisted that the decentralisation of authority is needed in some aspects for carrying out the students’ programmes effectively. Also, he requested to permit the

interested students to practice for Sports activities in the last hour after getting permission through proper channel. Principal advised the students to utilize early morning for practicing.

- Dr.G.Vinoth suggested that faculty members may be advised to orient their Research towards development of the products so that faculty will get the publication through products. In turn, this will be used to establish more number of start ups and this will help to bring cultural change in the campus.
- Dr.Essakkimuthu suggested to formulate Center of Excellence in Boxing in southern region.
- Dr.Essakkimuthu suggested that for 100% career settlement, the college can focus the students' towards Higher studies not only in India and also abroad so that students will be ready for both higher studies & placement.
- Further, he suggested to develop a database about the requirements for pursuing higher studies in different countries so that students can refer the details, whenever required. He also requested the Principal to conduct incubation programmes from second year onwards, and to conduct more number of out reach programmes. He also added that special attention may be given students to improve technical skills & communication skills.
- Principal stated that 6 students have attended PALS residential workshop at IIT Madras.
- Mr.N.Jeyakrishnan, Parent suggested that communication skill is important for getting jobs in industries and short term measures and long term measures are important for the assessment of an asset. Further, he stated the importance of technical audit system.
- Principal informed that MATLAB software with Institue level license is to be purchased for Rs.11.8 lakhs and musical instruments was already purchased for Rs.2 Lakhs for the enhancement of cultural activities.






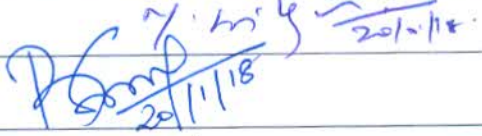



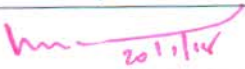










Principal appreciated the students for providing their requirements and feedback for enhancing the quality of the institution. Principal and coordinator thanked all the IQAC members for their effective involvement in the brainstorming session and their valuable suggestions.


Coordinator – IQAC


Principal


Director

The following members attended the meeting

| Members | Signature |
|--|--|
| Dr.S.Shanmugavel, Principal |  |
| Dr.K.Manisekar, Coordinator - IQAC |  |
| Dr.K.Kalidasa Murugavel, HOD/Mechanical |  |
| Dr.A.Shenbagavalli, HOD/ECE |  |
| Dr.B.Paramasivan, HOD/CSE |  |
| Dr.M.Willjuice Iruthayarajan, HOD/EEE |  |
| Dr. B.Sankara Gomathi, HOD/EIE |  |
| Dr.K.Manimegalai, HOD/ IT |  |
| Dr.C.Puthiyasekar, HOD/CIVIL |  |
| Dr.M.A.Neelakantan, HOD/S&H |  |
| Dr.S.Tamilselvi, Prof. / ECE (PG) |  |
| Dr.V.Kalaivani, Prof. / CSE |  |
| Dr. P.Essaki Muthu Chief Scientist in Research and Development RiverSilica Technologies Pvt Ltd, Bangalore |  |
| Dr. G. Vinoth, Ph.D Technology Management Consultant Startup Coach, Pongu Ventures, Tirunelveli |  |
| Mr.P.Jeevanandham, Admin Manager |  |
| Mr.K.Karunai Raghavan, Librarian |  |
| Mr.S.Solaisamy, Sr. System Programmer |  |
| Mr.N.Jeyakrishnan Associate Manager (SAP) Plant Instrumentation, Sterlite Copper, Tuticorin |  |
| Venkatesh @ Periyasamy R, IV year Mechanical |  |
| Meenakshi Murugappan, IV year ECE |  |

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|-----------------------------|-----------------|
| Sridhar Raj P, III year CSE | P. Sridhar Raj. |
| Bala Abirami S, IV year EEE | S. Bala Abirami |
| Aswin kumar S, III year EIE | S. Aswin Kumar |
| Maheswari M, III year IT | M. Maheswari |
| Anushri R, III year Civil | R. Anushri |