JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIMOGA

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Date: 4.3.2019

Proceedings of the 24th Meeting of IQAC, held in the Meeting Hall, AD Block at 4.00 PM on 26.2.2019

1. Members Present:

Sl. No.	Name	Designation	Dept.	Remarks
1.	Dr. H. R. Mahadevaswamy	Principal	-	Chairman
2.	Dr. S. V. Sathyanarayana	Professor	ECE	Coordinator
3.	Dr. L.K. Sreepathi,	Vice Principal	Mech.	Member
4.	Prof. R. K. Baliga	Assoc. Prof.	Phy	Member
5.	Dr. M. G. Krishnamurthy	Professor	MBA	Member
6.	Dr. K. M. Basappaji	Professor,	Mech	Member
7.	Dr. C. G. Hemamalini	Professor	Civil	Member
8.	Smt. Savitha Madhav	Manager-H R	NES	Mgmt. Nominee
9.	Sri. N G Ajjanna	Asst. Professor	EEE	Research Scholar
10.	Mr. Koushik R Udupa	-	8th ECE	U G Student Rep.

Sri. Rajendra Prasad , Entrepreneur, Alumni Rep, Smt. Rashmi Sooryanarayana Centre Head, Industry Nominee, Prateeksha M Badal, 4th MBA , P G Student Rep.,{Members} were granted leave of absence.

2. Agenda:

1. Initial remarks by the Principal/Chairman-IQAC
2. Review of previous meeting proceedings and action taken
3. Updates
4. Action taken report:2018
5. Academic and Administrative Audit
6. Relook and follow up of Academic Process Improvement
7. Any other topic with the permission of the chair

3. Proceedings:

1. After welcoming all the members to the meeting, the IQAC Coordinator placed before the members the agenda of the meeting, which was already circulated along with the meeting notice.
2. The Chairman-IQAC (Principal), in his initial remarks, presented briefly the highlights of the agenda of the meeting. He formally welcomed the members of the first meeting of this year which would be called once in two months as decided in the last meeting. Also he informed that AQAR has to be submitted this year in the month of September.
3. IQAC Coordinator gave a brief review of previous meeting proceedings and the action taken thereon:
   a. Industry Alliance through KTES – 2019:

   I. Karnataka Tech Entrepreneur Summit: KTES 2019 : 14- 16, Feb. 2019: During this meet many industry professionals were got introduced & TWO MoUs were signed.

  b. Curriculum Gap Identification and Industry Alliance

   I. Curriculum Gap Identification process was being undertaken by all the departments and some domain-specific trainings were being planned by the departments to upgrade the knowledge / skills to suit the industry requirements.

  c. Alumni Meet at Bangalore

   I. Was successfully organized on 3.2.2109 and 300+ Bangalore-based alumni participated.

  d. Calendar of Events of Even Semester was finalized in Academic Monitoring Committee meeting held on 31.1.2019 and circulated to all departments.

  e. IQAC Calendar was prepared and published in the Institution website

  f. Project Evaluation Rubrics, Internship Evaluation Rubrics & Technical Seminar Evaluation rubrics were finalized in IQAC sub-committee meeting held on 23.1.2019 and circulated to all departments.

4. IQAC Coordinator presented updates and important programs conducted in the institution and at department level:

  a. AICTE EOA submission process was completed.

  b. MoUs:

   I. M/s Universal Test Solutions LLC, Pune headed by Mr.Brajesh Kumar Singh (our Alumni)

   II. Mr.Ramu .T.S ,Lekha Wireless Solutions, Bangalore

  These MoUs would offers internships, technical assistance for projects and eventually employment to our students.

  c. South Zone Inter University (Men) Cricket Tournament: 14 – 23, Jan. 2019

   I. Ms. Veda Krishnamurthy inaugurated the tournament in the presence of Dr. Karisiddappa, honourable VC, VTU, Dr.P P S Paul Kumar, Observer, AIU, Mr. M S Kumar, Selection Committee Member, BCCI, Prashanth Parameshwaran, Selection Committee Member, BCCI and Dr. Arif Alikhan, Sports Director, VTU.

   II. 86 teams participated in the tournament.

   III. Matches played at Mysore: 21 in 4 Grounds ; Matches played at Shivamogga: 62 in 8 Grounds

   IV. Final match was between University of Mysore & Jain University, Bengaluru and Jain University Won the Trophy.

   V. A Commemorative Souvenir was released in the Valedictory session.

  d. Karnataka Tech Entrepreneur Summit: KTES 2019 : 14- 16, Feb. 2019

   I. Inaugurated on 14th Feb 2019 by Sri Samir Kumar, Managing Director-Inventus India & renowned Venture Capitalist, Bangalore.

   II. 7 Invited Talks ; 5 Workshops ; 3 Panel Discussions; Fireside chat ; Face – Face Business Discussions ; Exhibitions from the industrial & business enterprises were held as part of this summit.

   III. 16 Resource Persons handled/conducted the technical sessions

   IV. Excellence Award Ceremony was organized on 15th Feb. 2019 – In 25 categories **Excellence Award** was given to outstanding entrepreneurs, companies and significant contributors.

   V. Dr. N. Vinay Hegde, Chairman, Nitte Education Trust and Chancellor, NITTE deemed to be University, Mangalore and Dr. S. Rangarajan , Former Director-ISRO & CTO, Yazmi Solutions, USA, were the chief guests.

VI. Sri. K A Daynanda, Deputy Commissioner, Shivamogga was the Chief Guest and Mr. M R Srikanth, AGM, Canara Bank was the Guest of Honour for Valedictory Program held on 16th Feb. 2019.

VII. A Commemorative Souvenir was released

e. Alumni Meet @ Bangalore

   I.   Inaugurated by Dr. S. Sadagopan, IIITB, Bangalore
   II. 300+ Alumni participated
   III. Bangalore Alumni Branch was constituted and inaugurated.

f. **Programs organized by the departments:**

   I. *International Conference on Marketing in Digital World: Trends, Opportunities & Challenges* – 4-5 January, 2019 -organized by MBA Dept. in association with: ISTE, New Delhi and supported by ten local Sponsors.
      - Inauguration: **Sri. Mohanraj Shetty,** Head-Commercial, VISP, Bhadravathi**.**
      - Key Note Speaker: Sri.K.S.Sonal Shandilya, Principal Creative Director, Susheel Shandilya Consulting, Bangalore
      - 40 papers were presented ; Proceedings of the conference was brought out in the Special issue of International Journal of Advance & Innovative Research
      - Valedictory Address: **Sri Subramanya Basavanahalli,** Bangalore
      - Outcome: Delegates were exposed to:
        - o   Digital Marketing Strategies
        - o   Digital Marketing Challenges
        - o   Brand Management
        - o   Digital Fraud
      - Coordinator: Dr. B V Srinivasa Murthy,Asst. Professor, MBA

   II. *Five Day National Level Workshop on DSP and Image Processing through Machine Learning* - 8 – 12, Jan. 2019 - organized by E & C Dept. in association with IETE, Shivamogga Centre & ISTE, New Delhi
      - Inauguration: **Dr. Ashok Rao,** Former Head, Network Project, CEDT, IISc, Bangalore
      - Delegates: 60+ faculty members including 15 outstation faculty members
      - Resource Persons: Dr. Ashok Rao, Dr.Arulalan Rajan, NITK Surathkal, Dr.Deepu Vijayasenan, NITK Surathkal, & Dr.Mohamed Imran, Ejyle Technologies (P) Ltd.
      - Valedictory Address: Sri. Mutturaj, Additional SP, Shimoga
      - Outcome: Linear Algebra, Machine Learning Applications in Signal Processing, Practical Exposure to machine, Learning Applications
      - Coordinators: Ms. Prema K N and Ms. Roopa B S, Asst. Professors, E & C, Dept.

   III. *One week National Level Workshop on "Differential Geometry and its Applications in Engineering Fields"* - 21 – 25, January 2019 - organized by Dept. of Mathematics
      - Inauguration: Prof.C.S. Bagewadi, Emeritus Professor (UGC), Kuvempu University, Shimoga
      - Delegates: 50+ faculty members and Resaerch Scholars
      - Resource Persons: Prof. C S Bagewadi, Prof.Veerappa Gowda, TIFR, Bangalore, Prof.T.Venkatesha,, Rani Channamma University, Belgavi , Prof. V.S.Prasad, RIE, Mysore, Dr.Saikat Chatterjee, IISER TVM, Prof.Javier Finat, Dr.B.C.Prasanna Kumar
      - Valedictory Address: Dr.Saikat Chatterjee, IISER TVM

- Outcome: Delegates were introduced to basics of Differential Geometry & its applications in Fluid Mechanics & other areas
- Coordinators: Dr. Gurupadavva Ingalahalli & Dr. M R Krishnamurthy, Asst. Professors, Dept. of Maths

IV. *One Week National Level Workshop on "Material Characterization"* - 28 Jan. 2019 to 1 Feb. 2019 - organized by Dept. of Mechanical Engg.
- Inauguration: Dr. Anjana Jain, Senior Principal Scientist, National Aerospace Laboratory, CSIR, Bengaluru
- Guest of Honour: Dr. Rajeev Jain, Senior Scientist, Gas Turbine Resarch Establishment, DRDO, Bengaluru.
- Delegates: 40 faculty members and Industry Delegates
- Resource Persons: Dr. Uma V, Dean and Professor, Mount Carmel College Blore, Dr Jaganatha Nayak, Dr. Vijay Desai, Dr. Udaya Bhat, Dr Mohammad Rizwanur Rahman, NITK, Suratkal
- Lab Visit at NITK, Suratkal, followed by Valedictory Program
- Outcome: Delegates were exposed to topics on Material Characterization, Nano Materials & Good Practical Exposure
- Coordinators: Dr. M M Rajath Hegde, Professor, Mechanical Engg.
  - *One Week National Level Workshop on "LTE-Advanced and its Research Challenges"* - 28 Jan. 2019 to 1 Feb. 2019 - organized by Dept. of Telecommunication Engineering
- Inauguration: Sri A.T. Kishore Senior member IEEE,CEO, Vidhya Sangha, Bengaluru
- Delegates: 40 delegates – Faculty members & students
- Resource Persons: Sri A.T. Kishore , Dr. Vijaykumar B.P, MSRIT, Bangalore, Dr.Ramakrishna Joshi, Dr. Arun L K, Dr. Priyatamkumar, School of ECE, KLE Tech University, Hubli, Dr. Shridhar Joshi, SDMCET, Dharwad, Mr. Ashok P S, Mr. P SKumara Swamy, Mr. M S Veerabhadra, Lekha Wireless, Bangalore
- Valedictory Address: Dr. Shridhar Joshi, SDMCET, Dharwad
- Outcome: Delegates were exposed to Topics on Wireless Communication Standards: 4G, 5G, LTE, Software Defined Radio,MIMO Systems & Industry Applications
- Coordinators: Mr.Madhusudan G & Mr. Ananandraj, Asst. Professors, TCE

g. Student Enrichment Programs

I. *Ten Days Workshop On "Building Wiring, Electrical Controls and Servicing of Home Appliances"* - 16–25, Jan 2019 - organized by by Dept. of Electrical Engineering
- Inauguration: Sri A S Vishwanatha, President, NES, Shivamogga
- Participants; 5th Sem. Students
- Outcome: Hands on Experience on Building Wiring, Servicing Home Appliances and Field & Industry Visits
- Coordinator & Trainer: Mr. Chandrashekhar S, Foreman, E & E Dept

II. *Five Days Workshop on "Building Smart Things by Leveraging IoT Technology using Node MCU & Raspberry Pi"* - 28 Jan. 2019 to 1 Feb. 2019 - organized by E & C Dept.
- Inauguration: Sri A.T. Kishore Senior member IEEE,CEO, Vidhya Sangha Bengaluru
- Participants; 30+ Students
- Resource Persons: Mr. Raghdattesh, Mr. Ravitheja, GMIT, Davangere, Mr. Sripathi H V, MIT, Manipal

- Outcome: Topics on advanced microcontrollers like Nod MCU, Raspberry Pi & their applications, Hands on Lab sessions on IoT Applications
- Coordinators: Mr. Pradeepa S C, Mr. Abhijith N, Ms. Shwetha H R, Asst. Professors, E & C Dept.

h. **ISR Activity: National Service Scheme, JNNCE**
- One Week NSS Camp at Govt. Higher Primary School, Hasoodi Farm: 20 – 26, Feb. 2019
- Students were engaged in social services like Swachhata Abhiyana, Free Health Camps, Awareness Programs etc.
- Various Awareness Lectures were also arranged

i. **Out Reach Programs: District Bio-Fuel Research, Information & Demo Center, JNNCE**
- Many Awareness Programs, Workshops, Exhibitions & Lectures are being conducted regularly to Farmers, Entrepreneurs, Research Students, End Users and General Public.
- Coordinator: Dr. H B Suresh, Professor, E & E

j. **NBA Process - Status**
- All the departments were preparing Self Assessment Report – SAR
- Review of Version 0 and Version 1 of SAR was completed.
- An Interaction Session by Dr. Rajanikanth, Former Principal-MSRIT, Bangalore & NBA Expert was arranged on 24.1.2019 & 25.1.2019. All the NBA coordinators, HoDs, Professors & Criteria In-charges attended the interaction.
- Review of SAR Version 3 was scheduled from 5.3.2019.
- Based on the outcome of SAR Version 3, an Internal Audit and External Audit would be scheduled.
- Pre-qualifier submission was planned in third week of March 2019

k. **Campus Recruitment Status**

Organization	No. of offers	Packages in Rs. Lakhs p.a.
TCS	63	3.34
SLK Software	10	2.80
Crimson Logic	05	4.00
Mphasis	02	2.50
Advance India	02	3.75
Tata Elexi	16	4.00
Robosoft	02	3.50
Nano Source Technologies	03	2.5
Wipro Technology	10	3.50
TEK SYSTEM	01	6.00
Silverpeak Global	34	16.00
Cognizant	02	3.38
ABC for Tech	04	2.40
Infosys	25	3.60
Access6 Technologies	05	2.24
Total	**184**	

5. **Action Taken Report: 2018 [Refer Annexure-1]**
   a. IQAC coordinator presented the detailed action taken report of the year 2018 which is summarized below:
   - Initiatives discussed & recommended :   34
   - Action Taken & implemented :   23: 68 %
   - Attempted & in process: 08: 24 %

- Pending: 03 : 8 %
- No. of FDPs / Seminars: 11
- No. of Conferences: 03
- No. of Student Enrichment Programs: 11
- ISR Activities: 06
- Other Programs: 06

b. IQAC coordinator discussed the initiatives which could not be implemented. One of the initiatives was to offer full-time Ph.D. course with stipend to attract the quality candidates. Principal informed to prepare the guidelines / proposal which could be sent for approval from the management.

Decision: It was decided to draft the guideline / proposal for offering Ph.D. course with stipend.

c. IQAC coordinator informed that the remaining initiatives would be taken / followed up this year.

d. IQAC coordinator thanked all the members for their active cooperation and constructive suggestions in the year 2018, which helped to materialize the initiatives made and recommended from the board.

6. Academic and Administrative Audit

a. IQAC coordinator presented a brief overview of this subject. He told that this was the subject placed in 21st meeting on 30.10.2018 and it was decided to implement Academic & Administrative Audit in the institute. He placed the following proposal before the members and sought for their opinion:

    I. As per NAAC guidelines, Internal Audit has to be conducted annually and external audit o be conducted 3 years once.

    II. Internal Audit team could be formed comprising of following members:
- Vice Principal : Chairman ; IQAC Coordinator ; NBA Coordinator ; Member, IQAC ; Member, NBA Committee

    III. External Audit Team to be formed

b. All the members endorsed the internal team composition. Dr. M G Krishnamurthy, Member, IQAC was nominated as one of the members. It was decided to nominate a member from NBA committee as advised by the NBA coordinator. This committee would be the core committee of Internal Audit. This committee would design and finalise the Audit guidelines / check list in line with the NAAC guidelines. Tentatively committee will meet within 15.3.2019 to discuss about the draft Audit guidelines. Later, in the month of June of every year the core committee will formulate the three audit teams choosing the members from NBA committee, IQAC and Academic Monitoring Committee. This audit team will be trained about the AAA auditing procedure and the guidelines.

c. The Audit guidelines will be placed in the next meeting for final approval.

d. In the mean time, it was decided to choose the external audit team members from the known contacts and based on their expertise.

7. Relook and follow up of Academic Process Improvement

a. IQAC Coordinator presented the subject. He proposed that as per the NBA / NAAC guidelines defining and the continuous follow up is required for the following:

    I. Periodical Feedback from the Departments about Academic Process

    II. Effective Student Mentoring

    III. Identification of Bright and Week Students
- Effective Implementation of Remedial Classes for Week Students
- Encouraging Bright Students

    IV. Effective implementation of Preparatory Exam for I Year Students

b. Vice Principal was of the opinion that for the effective implementation of any academic activity there has to be a deadline and the faculty members should adhere to that deadline. In the process defined there should be mention about the penal action if the deadline was not met.

c. Principal informed that all the academic activities could be monitored using OAM software. Faculty members should be asked to use the OAM software affectively so that all the activities could be tracked based on the data / reports available in the OAM software.

d. Ms. Savitha Madhav informed the members about the frequent change of class time table was an issue in the usage of OAM software.

e. Dr. Hemamalini informed that Mentoring Activity template was available which could be used for mentoring process by the faculty members.

Decision: Members decided to direct the Academic Monitoring Committee to design the process to follow up the above listed academic activity. Also, AMC was directed to call a member from Student Mentoring Committee to finalise the mentoring process. Later, the resolutions may be placed before in the next IQAC meeting for final approval / ratification.

8. Any other topic with the permission of the Chair

As there was no other subject, the meeting concluded, with the Coordinator thanking all the members for their active participation.

(Dr.H. R.Mahadevaswamy)
Principal & Chairman-IQAC

To:
All the members and HODs of all the departments

JAWAHARLAL NEHRU NATIONAL COLLEGE OF ENGINEERING, SHIVAMOGGA

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Action Taken Report

Sl.No	Initiatives	Meeting No. & Date	Status
1.	Dept. IQAC Coordinators' role in compiling & submitting information for AQAR	12 & 30.1.2018	Action taken – Event report submitted
2.	**Role of alumni in improving the campus placement**	**13 & 27.2.2018**	**In process**
3.	Taking the help of alumni in setting up startups / companies in the campus	13 & 27.2.2018	Attempted – One Start-up - Advitiya
4.	**Inviting alumni for technical talks / organizing workshops to share the company requirements**	**13 & 27.2.2018**	**Undertaken in the department level – In Process**
5.	**Guidelines to commence NBA process in the departments**	**13 & 27.2.2018**	**Action Taken – NBA Process in progress**
6.	Planning short term training programs of One week / two week for faculty members in June / July 2018	14 & 27.3.2018	Action Taken – 5 FDPs & One International Conference in June – August 2018
7.	**Planning of foreign language classes for II year & III year students**	**14 & 27.3.2018**	**Pending**
8.	Planning Course End Survey & Program End Survey from students – A requirement of NBA process	14 & 27.3.2018	Action Taken
9.	Global Alumni Meet	15 & 24.4.2018	Action Taken
10.	**How to map Alumni's to Institute development**	**15 & 24.4.2018**	**In Process – Attempts are made to involve Alumni in CIE activities – Tech. Activities – Startups - Employment**
11.	**Improvement in the Academic performance of Faculty**	**15 & 24.4.2018**	**In process**
12.	NAAC revisit.	16 & 29.5.2018	Action Taken – B Grade
13.	Academic process and Automation	16 & 29.5.2018	Action Taken – OAM implemented
14.	Final Year B.E. Project Exhibition	16 & 29.5.2018	Action Taken
15.	Bridge Course for I sem B.E. students	17 & 26.6.2018	Action Taken
16.	Internship for 6th Sem Students	17 & 26.6.2018	Action Taken
17.	Review of NBA Preparation	17 & 26.6.2018	Action Taken
18.	NPTEL Courses	18 & 27.7.2018	Action Taken
19.	**Execution of NewGen – IEDC project under the aegis of NSTEDB, DST, Govt. of India**	**18 & 27.7.2018**	**In Process – Received 60 Lakhs as first Installment**
20.	**Setting up of Technology Business Incubation funded by KCTU, Govt. of Karnataka**	**18 & 27.7.2018**	**In Process**
21.	Quality initiatives in Teaching - Learning Process	19 & 30.8.2018	Action Taken
22.	Quality initiatives in organizing events	19 & 30.8.2018	Action Taken
23.	Domain skill based placement training	20 & 25.9.2018	Action Taken
24.	Centralized Internal Assessment conduction for First Year UG course	20 & 25.9.2018	Action Taken

25.	Preparatory Examination for First Year UG course	20 & 25.9.2018	Action Taken
26.	**Academic Administrative Audit – AAA**	**21 & 30.10.2018**	**Pending**
27.	Upgrading domain skill set of students and improving employability – A model for implementation	21 & 30.10.2018	Action Taken
28.	Alumni Meet at Bangalore	21 & 30.10.2018	Action Taken
29.	Karnataka Tech Entrepreneurship Summit to be organised by JNNCE (Theme : Building Startup Echo System and Entrepreneurship Spirit)	22 & 27.11.2018	Action Taken
30.	**Introducing Full Time Ph.D Course at JNNCE**	**22 & 27.11.2018**	**Pending**
31.	Evaluation Rubrics for Project First Phase Seminar - Final Year UG	22 & 27.11.2018	Action Taken
32.	South zone Interuniversity Cricket Tournament (Men) 2018 -19	22 & 27.11.2018	Action Taken
33.	Industry Alliance through KTES – 2019	23 & 22.12.2019	Action Taken – 2 MoUs Signed
34.	**Curriculum Gap Identification and Industry Alliance**	**23 & 22.12.2019**	**In Process**

Summary of the Action Taken

1. Initiatives discussed & recommended: **34**

2. Action Taken & implemented :   **23: 68 %**

3. Attempted & in process: **08: 24 %**

4. Pending: **03 : 8 %**

5. No. of FDPs: **11**

6. No. of Conferences: **03**

7. No. of Student Enrichment Programs: **11**

8. ISR Activities: **06**

9. Other Programs: **06**

Dr. S. V. Sathyanarayana
IQAC Coordinator

Dr. H R Mahadevaswamy
Principal &
Chairman, IQAC