



Jawaharlal Nehru National College of Engineering, Shivamogga

ಜವಾಹರ್‌ಲಾಲ್ ನೆಹರು ರಾಷ್ಟ್ರೀಯ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯ, ಶಿವಮೊಗ್ಗ



(Approved by A.I.C.T.E.New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC - 'B', Recognised by Govt. of Karnataka and Affiliated to VTU, Belagavi)

Internal Quality Assurance Cell (IQAC)

Ref. No.: JNNCE/IQAC/016/2020-21

Date: 06-01-2020

Proceedings of the 29th Meeting of IQAC, held in the Meeting Hall, AD Block at 4.00 PM on 31.12.2019

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.	Physics	Member
5.	Dr. M. G. Krishnamurthy	Professor	MBA	Member
6.	Dr. K. M. Basappaji	Professor	Mech.	Member
7.	Sri. S. N. Nagaraja	Secretary, NES	Mangmt. Nominee	Member
8.	Sri. Suresh S K	-	Alumni Rep.	Member
9.	Mr. N G Ajanna	Asst. Professor	EEE	Res. Sch. Rep
10.	Mr. Praful T Nakadi	-	III Year	U G Stud. Rep.

Dr. C. G. Hemamalini, Sri. Sharath S Bhoopalam, Ms. Ashika A Jain {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. AQAR Submission – Gaps Found
5. Certificate/ Diploma Courses/Internships
6. Value-added courses imparting transferable and life skills
7. Collaborative activities for research, faculty exchange, student exchange
8. 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.

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The Chairman-IQAC (Principal) formally welcomed the members to the last meeting of this year, and in his initial remarks, presented briefly the highlights of the agenda of the meeting. He informed that IQAC initiated many quality initiatives and as an impact of these initiatives, all the seven UG departments have been accredited by NBA. Also, he informed that first AQAR to NAAC has been submitted on 24th Dec. 2019 and he congratulated IQAC coordinator and all the department coordinators for having submitted the AQAR on time. He invited the coordinator to continue with the proceedings.

2. IQAC Coordinator gave a brief review of previous meeting proceedings and the action taken thereon:

1. **Quality Initiative – Impact: NBA Assessment**

- Use DHI – One round of discussions was arranged on 3.12.2019 & it was decided to use the software for all the NBA-related documentation and computation for next NBA cycle.

Secretary, NES enquired about the performance of DHI software and whether the NBA documentation could be managed by this software. IQAC coordinator clarified that it was possible provided the required data is fed in time.

2. **Improvisation of outcome from existing MoUs with Industry / Academia**

- Departments were directed to organize programs / Tech-talks / arrange Internships using existing MoUs

3. **Participation and contributions in teaching and learning and /or research by visiting/adjunct/Emeritus faculty**

- Departments were directed to make attempts to identify adjunct faculty who could contribute in teaching / research guidance

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

- i. **NBA Process**

- a. NBA expert team visited during 22– 24 Nov.2019 to assess four programs: EEE, ISE & TCE
- b. 7 Members team under the chairmanship of Dr. Y D S Arya, Vice Chancellor, Invertis University, Bareilly, Uttar Pradesh.
- c. After the two days proceedings, the members shared the strengths and the scope for the improvements in the Exit meeting held on 24.11.2019.

- ii. **Accreditation by NBA**

- a. All the seven UG programs were accredited by NBA, New Delhi
- b. Received the results of the first application: Civil, Mech, ECE & CSE on 21.11.2019.
- c. Received the results of the second application: EEE, ISE & TCE on 23.12.2019

The detailed reports of Civil, Mech, ECE & CSE departments were received. The following table shows the marks received by the respective departments.

Civil	Mechanical	ECE	CSE
651	651	659	688

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These departments were informed to analyze the reports given by NBA and come up with the action plans to fill the gaps by 31.1.2019

iii. **NBA Process: MBA Department**

- MBA Program was preparing for NBA Accreditation
- Four Meetings were conducted with the faculty Members
- SAR Version 0 was prepared and reviewed.
- A Two-Day Interaction Program on “Successful NBA Accreditation” was organized for MBA faculty Members during 28 -29, Dec. 2019;

Experts: Dr. H S Guruprasad, Dean-Student Affairs &

Dr. K. Prathima Bhat, Asst. Professor-MBA, BMSCE, Bangalore

- SAR Version-1 would be ready by 20.1.2020
- Timelines for Pre-qualifier & SAR Submission was planned during Feb. 2020

iv. **Annual Quality Assurance Report – AQAR Submission: 2018-19**

AQAR was submitted online on 24.12.2019.

There were Seven Criteria:

- Criteria 1: Curriculum Aspects
- Criteria 2: Teaching, Learning & Evaluation
- Criteria 3: Research, Innovation & Extension
- Criteria 4: Infrastructure & Learning Resources
- Criteria 5: Student Support & Progression
- Criteria 6: Governance Leadership & Management
- Criteria 7: Institutional Values & Best Practices

v. **Proposals submitted to AICTE under AICTE Quality Improvement Scheme for financial support**

Sl No	Faculty	Dept	Project	Scheme	Amount (in INR, Lakhs)
1	Dr.K.R.Chetan	CSE	Recent trends in Android Programming for Digital Health Care	STTP	5
2	Dr.P.Manjunatha Dr.S.Pramod	ECE	Artificial Intelligence in the field of Image and Video Processing and their Real-Time Implementation on AI Edge Devices	FDP	6.99
3	Dr.K.Sabil Ahmed Dr.L.K.Sreepathi Mr.B.N.Ravikumar	Mech	Modernization of Energy Lab	MODROB	19.5
4	Dr.S.V.Sathyanarayana Dr.S.Pramod	ECE	Modernisations of Electronic Devices and Instrumentation Laboratory	MODROB	14.44
5	Dr.Rajendra Katawkar Mr.V.Srinivas	Civil	Modernisation of Soil Mechanics Engineering Laboratory	MODROB	16.13
6	Dr.P.Manjunatha Mr.Abhijit	ECE	Skill and Personality Development Programme Centre For SC/ST Students	SDDP	22.5



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vi. JNNCE – SuIMS Collaboration

Second Brainstorming Session on “Collaborative Research activities” was organized on 28.11.2019 at JNNCE Campus.

- Around 20 doctors from SuIMS and 25 Faculty Members of JNNCE participated
- Various Issues discussed:
 - Possible areas of research in “Water Quality testing and environmental science”
 - To develop Local Language App
 - To design Low cost device to indicate the level of sugar.
 - Testing the strength and elasticity property of materials used during surgery
 - Research in genetic study, Mutation Analysis, Genetic Sequencing and the work could be taken up in Genetic Lab
 - Research problem in the area of Image modalities, Image Tomography Analysis
 - Defogging problem in an equipment used in Endoscopy & laparoscopy
 - To jointly organize Two days workshop on “Artificial Intelligence in Healthcare – Research Avenues & Challenges” during April 2020 at JNNCE campus.
- MoU between JNNCE & SuIMS was signed & exchanged.

vii. Programs Organized by Departments

a. Three Day Training Programme on “Business Analytics” during 23.09.2019 to 25.09.2019 – by MBA Dept.

- **Resource Persons:** M/S. Business Toys, Bangalore
- **Participants:** MBA III Semester Students
- **Outcome:** Application of basic statistics to explore and understand business data, analysis and interpretation, descriptive and visual analytics

b. Student Development Program on “Digital Marketing” – by MBA Dept. during 16-17, Nov.2019

- **Resource Person:** Mr. Sandesh, CEO, Sun Rise Media
- **Participants:** III MBA Students
- **Outcome:** Students were exposed to practical aspects of Social Media Marketing. The sessions covered some of the leading social sites, the Platforms to utilize for the dissemination of messages to the consumers. Including: Facebook, Twitter, YouTube, LinkedIn, Instagram

c. Workshop on “ART & SCIENCE OF WIKIPEDIA” – by MBA Dept. in association of Aswadana- the forum for Arts, Literature & Humanities during 16-17, Nov.2019

- **Resource Persons:** Dr. U.B. Pavanaja, Secretary, Karavali Wikimedians User Group, Ms. Dhanalakshmi & Arpitha Hegde
- **Participants:** 16 Students in- house & 42 students and faculty members from other institutions



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• **Outcome:**

- The participants were exposed to flair of literary/ writing skills matched with the contemporary digital means of dissemination of information.
- Hands-on training in content writing, referencing, designing, and uploading of information in Wikipedia

d. One day software training on Synchro and Sidra on 23.11.2019 – By Civil Engg. Dept.

- **Resource Person:** Mr. Syed Yaseen Afshad, Traffic Engineer, Muhel Consulting Ltd. Doha – Qatar
- **Participants:** M.Tech I and III Sem. Students
- **Topics:** Basic terminology in Traffic Engineering, Industrial Requirements, Hands on SYNCHRO – Signalized junction analysis tool, Hands on SIDRA– un-signalized junction analysis tool

e. DREAMZ – Personality Development Student Interaction Programme – by CIE in association with Canara Bank on 30.11.2019

- **Resource Persons:** Indian cricket celebrities such as Mr. Venkatesh Prasad, IPL Player Mr. Bharath Chipli, Kannada Commentary expert Mr. Srinivasa Prasad
- **Participants:** Students, Faculty Members and Delegates from Canara Bank

f. Two Week Entrepreneurship Awareness Program – by CIE in association with MSME Government of India – 16 – 28, Dec. 2019

- **Inauguration:** Mr. Gopinath Rao, Asst. Director, MSME Dev. Institute, Bangalore
- **Participants:** Delegates from various companies, small scale entrepreneurs, farmers, students attended the program.
- **Topics covered:** MSME initiatives, Product management, Export management, loan schemes from state and central government, GST, IPR, communication skill, leadership, time management, successful entrepreneurship journey, Local Industry visits

g. VTU TEQIP 1.3 Sponsored Five Day Faculty Development Program on “Electrical Power Quality and Distributed Generation” – by EEE dept. during 16 – 20 December 2019

- **Inauguration:** Prof. D Thukaram, IISc, Bangalore
- **Participants:** 40 faculty members from Engineering Colleges of Karnataka
- **Topics covered:** Power quality issues, DSTATCOM, DVR & case study on power quality, Wavelet transforms in power quality analysis, Power quality in Industrial Furnaces, Role of Power Electronics in Power Quality, Voltage sag Characterization and its effects on equipments, Generation expansion

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with least Network Augmentation, Impact of different PQ models of Wind turbine Generating units on system voltage performance

h. DST - INSPIRE Internship Camp - 2019

Five Day DST sponsored INSPIRE Internship Camp was organized during 23.12.2019 to 27.12.2019

- **Inauguration:** Dr. Shashidhara L S, Professor, Ashoka University New Delhi
- **Participants:** 165 PU students of Shimoga District
- **Coordinated by:** Girish Mantha, Asst. Professor, ISE Dept. and Members, Chiranthana Green Technology Centre.
- **The following mentors from various research organization of country delivered the talks:**

Mentors	
1.	Dr. L S Shashidhara , Professor, Ashoka University, New Delhi
2.	Dr. M R Arulalan , Bengaluru
3.	Dr. M R Narasimha Murthy , Professor, IISc., Bengaluru
4.	Dr. Divya Bellur Uma , Faculty, Azim Premji university, Bengaluru
5.	Dr. Ashok Rupner , Senior Teaching Assistant, CoESME, IISER, Pune
6.	Dr. Purnima , Professor of English (Retd), KSOU, Mysuru
7.	Dr. L.Venkatakrishnan , Scientist, CSIR-National Aerospace Lab, Bengaluru
8.	Dr Manjunath Krishnapur , Associate Professor, IISc., Bengaluru
9.	Dr. N.S. Vidhyadhiraja , Associate Professor, JNCASR, Bengaluru
10.	Dr. B. K. Pradeep , Scientist, Agnikul, Chennai
11.	Dr. S.M. Shivaprasad , Director of Karnataka State Higher Education Academy, Dharwad and Professor, International Centre for Materials Science JNCASR, Bengaluru
12.	Dr. Raghunath O. Ramabhadran , Asst Prof, Dept of Chemistry, IISER Tirupati
13.	Dr. Sreepathi L K , Vice Principal, and Professor, Dept.of Mech. Engg, JNNCE, Shimoga

viii. Campus Recruitment : 2019-20

Dept.	No. of Offers
CSE	55
ECE	46
ISE	14
TCE	03
EEE	02
Civil	01
Mechanical	02
MCA	04
MBA	83 (140 offers)
Total	210



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4. Agenda Point 4: AQAR Submission – Gaps Found

IQAC Coordinator presented the list of the items for which nil report was submitted and interpreted these as the gaps to be fulfilled.

- I. Certificate/ Diploma Courses introduced during the academic year
- II. New programmes/courses introduced during the academic year
- III. Value-added courses imparting transferable and life skills offered during the year
- IV. No. of Incubation centre created, start-ups incubated on campus during the year
- V. Number of Collaborative activities for research, faculty exchange, student exchange during the year
- VI. Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year
- VII. E-content developed by teachers
- VIII. Students benefited by guidance for competitive examinations and career counseling offered by the institution during the year
- IX. External Academic & Administrative Audit

IQAC coordinator sought the suggestions from the members about the above items and the ways & means to implement the above. The members discussed about the above list and presented their ideas which could be taken up this year.

IQAC coordinator informed that Academic Audit Core committee has been formed and designed the academic audit proforma using which one audit has been conducted in the last (odd) semester. However, more scientific mechanism has to be deployed and an external audit panel has to be formulated this year.

Secretary, NES was of the opinion that, as there are more mechanical industries, Mechanical & Civil departments could initiate industry linkages and related technical activities. Also, a facility could be created on Calibration of Instruments.

Dr. M. G. Krishnamurthy suggested that several audit courses could be conducted and MBA department could support to organize such courses. Also, each department could offer at least one such course every semester.

Dr. L K Sreepathi felt that training could be organized on Solar PV System as an Audit Course.

Recommendations: It was recommended to take up Value added courses, Audit courses and the industry linkages with priority and to be followed up by the Department IQAC coordinators. Proper timelines are to be fixed for each of the items and it has to be monitored by IQAC.



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5. Agenda Point 5: Certificate/ Diploma Courses/Internships

IQAC coordinator placed a brief overview and proposal about the agenda:

Preamble:

- As per the guidelines of NAAC/NBA/VTU institutes should offer certificate/audit/diploma courses/ Internships to students
- Content Delivery beyond the curriculum
- Makes students industry ready

Status:

- Student Development Programs / Workshops were being organized
- Internship program was launched this year in even semester

Proposal:

- Faculty could offer audit courses in the their area of interest / proficiency
- Institute to make a policy decision:
 - Faculty who has attended an FDP / Workshop - to offer an Audit course to students
 - Audit courses can be launched under the Professional Society of the respective department and Certificates can be issued
- To strengthen the Internship Program in the Campus

Recommendations:

- Institution to make a policy decision that Faculty who has attended an FDP / Workshop - to offer an Audit course to students
- To strengthen the Internship Program in the Campus

6. Agenda Point 6: Value-added courses imparting transferable and life skills

IQAC coordinator presented the preamble and proposal about the agenda:

Preamble:

- To meet the growing demands of corporate and groom into a complete human being, it is required to develop the skills of students by giving them value added courses.
- The students will thus have tremendous opportunities to take advantage of our initiatives that will give them multi dimensional insights.

Status:

- Some courses are being organized under Placement Dept., CIE and MBA Dept.

Proposal:

Value Added Courses: To have a regular mechanism / schedule in the time table

Possible Courses: Yoga, Soft skills – Communication, Effective Presentation, Interviews, GDs Ethical Considerations, Team Building, Discipline

Recommendations:

- a. It was resolved to direct the departments not to schedule any regular classes during 11.40AM to 1.30PM on Saturday and to schedule the value added course during this slot.
- b. IQAC to chalk out a frame work of topics taking the help of Dept. of Humanities and to communicate to the departments.



National Education Society (R.)

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7. Agenda Point 7: Collaborative activities for research, faculty exchange, student exchange

Preamble:

- Faculty exchange programs promotes the research culture among faculty members
- Collaborative activities like student exchange programs would help students to gain more practical exposure / industry etiquettes

Status:

- MoUs were signed with industries / organizations
- Some programs / Workshops / Internships were being organized

Proposal:

- To initiate collaborative activities for research, faculty exchange and students exchange programs with the help of existing MoUs
- To identify students / faculty in each dept. and motivate / guide them to take up such programs

Recommendations:

- i. Make use of MoUs effectively
- ii. Faculty exchange programs to be planned. Partial delivery of curriculum to be planned by inviting industry professionals.
- iii. To make use of AICTE scheme of adjunct faculty identification and appointment.

8. Agenda Point 8: Any other points

- i. IQAC coordinator discussed the Meeting Calendar for the year 2020 and it was decided to schedule the meeting on Wednesday in place of Tuesday.
- ii. IQAC coordinator informed that Dr. C G Hemamalini, Professor, Civil Engg., Member, IQAC has resigned and hence requested for a replacement. He proposed Dr. Jalesh Kumar, Assoc. Professor, CSE dept. The Chairman, IQAC, approved the proposal.

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

To: All the members and HODs of all the departments


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

Chairman
Internal Quality Assurance Cell
Jawaharlal Nehru National
College of Engineering, Shivamogga.