



National Education Society (R.)

Jawaharlal Nehru National College of Engineering, Shivamogga

(Approved by AICTE, New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC –'B',
NBA Accredited UG Programs: CE, ME, EEE, ECE, CSE, ISE, TCE for the period: 1.7.2019 to 30.6.2022)
Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)



INTERNAL QUALITY ASSURANCE CELL

Date: 1.7.2020

Proceedings of the 31st Meeting of IQAC, held in the Meeting Hall, AD Block at 3.30PM on 22.6.2020

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.	Prof. R. K. Baliga	Assoc. Prof.	Physics	Member
4.	Dr. M. G. Krishnamurthy	Professor	MBA	Member
5.	Dr. K. M. Basappaji	Professor	Mech.	Member
6.	Dr. Jalesh Kumar	Assoc. Professor	CSE	Member
7.	Sri. S. N. Nagaraja	Secretary, NES	Mangmt.	Nominee Member
8.	Sri. Suresh S K	-	Alumni Rep.	Member
9.	Mr. N G Ajjanna	Asst. Professor	EEE	Research Scholars Rep.
10.	Dr. P. Manjunatha	Professor & Dean Academics	ECE	Special Invitee

Sri. Sharath S Bhoopalam, Mr. Praful T Nakadi and 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. Refresher Classes before ensuing Even Sem Exams – Quality Initiatives & Planning
5. Online Education – Requirements & Preparedness
6. Examination Reforms – Initiative by AICTE
7. Webinars / Online FDPs : Guidelines
8. Any other topic with the permission of the chair



National Education Society (R.)

Jawaharlal Nehru National College of Engineering, Shivamogga

(Approved by AICTE, New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC –'B',
NBA Accredited UG Programs: CE, ME,EEE,ECE,CSE,ISE,TCE for the period: 1.7.2019 to 30.6.2022)
Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)



INTERNAL QUALITY ASSURANCE CELL

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. Also, he introduced the special invitee Dr. P. Manjunatha, Professor, E & C and Dean Academics and welcomed him to the meeting.
2. The Chairman-IQAC (Principal) formally welcomed the members to the 31st meeting and in his initial remarks, presented briefly the highlights of the agenda of the meeting. He discussed the Academic Continuity Plan of taking Online Classes during the lock down period due to COVID 19 pandemic. He further invited the coordinator to continue the proceedings of the meeting.
3. IQAC Coordinator gave a brief review of previous meeting proceedings and the action taken thereon:
 - a. **Action Taken Report – 2019**

Out of 22 initiatives discussed & recommended, 9 initiatives were implemented, 9 initiatives were under process and 4 initiatives were pending.
 - b. **Professional Clubs**

Professional Club – Alpha - was launched; 250+ students registered; Interviewing the registrants to present their idea / innovative thinking was underway.
 - c. **AICTE Activity Points – Implementation Guidelines**

The implementation guidelines approved by IQAC was communicated to departments. Students of 4th Sem and 2nd Sem were asked to meet mentors and submit their proposed list of activities; Mentors to monitor / evaluate the activities and award activity points.
 - d. **Department Forum Activities : Pending**

A Sub-committee comprising of Dr. K M Basappaji, Dr. Jalesh Kumar and Mr. Ajjanna N G was formed to decide a framework of activities, after conducting a meeting with dept. coordinators. It was decided to fix a ratio of technical and general (cultural & sports) activities to be followed by all the departments. It was decided to roll out this new framework from the next academic year.
 - e. **Student Performance – Improvement Strategies : Pending**

To identify toppers / students expecting to secure ranks based on the university statistics from the 3rd semester onwards and to mentor them; To strengthen student mentoring and devise a mechanism to follow up mentoring process.
4. IQAC Coordinator presented updates on important developments and programs conducted in the institution and at department level:
 1. **Online Classes & Evaluation**
 - Due to COVID-19 Pandemic, online classes were started from 23.3.2020.
 - Various Online platforms were evaluated and finalized – User manual was prepared & circulated among the faculty members.



National Education Society (R.)

Jawaharlal Nehru National College of Engineering, Shivamogga

(Approved by AICTE, New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC –'B',
NBA Accredited UG Programs: CE, ME,EEE,ECE,CSE,ISE,TCE for the period: 1.7.2019 to 30.6.2022)
Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)



INTERNAL QUALITY ASSURANCE CELL

- Follow up meetings were conducted every day by the Principal for about two weeks to know / solve any issues regarding online classes.
- Whatsapp Message - JNNCE Connect - was sent by the Principal to all faculty & staff to communicate up to date information during lock down.

Average No. of Classes conducted	40
Percentage of portions covered by online class	75%
Online Platform used	Zoom / Google Meet/ WebEx
Class duration	40 Minutes
CIE	Two tests, Assignments / Quiz/ MCQ
	Project Evaluation / Internship / Technical Seminar
Videos of the Lab Experiments - uploaded in YouTube	
Recorded videos of Online lectures - uploaded in YouTube	

2. Programs Organized by Departments

- (i) **One day workshop on “.net” was organized by Department of MCA for B.Sc./BCA students on 02.03.2020.**

Inaugurated by: Ms Rashmi Suryanarayana, Centre Head, DXC Tech., Shivamogga

Resource Persons: Arun Kumar & Manjunath H T, Faculty, MCA Dept.

Sessions: Dot Net Programming

Participants: 200+ delegates – BSc Students of SRNMC, Sahyadri College, DVS, Shivamogga

- (ii) **Webinar on “Skills to Become an Network Engineer” was organized by Department of MCA on 03.06.2020 in association with Na-Win Gurukula**

100+ Students of MCA attended the seminar through online

- (iii) **Webinar on “Virtual Labs” organized by Department of Civil Engineering in association with NITK, Suratkal on 21.5.2020**

Topic: Virtual Labs – An MHRD initiative **Duration:** One & Half Hour

Resource Persons: Dr. Pruthvi Raj, Prof. Applied Mechanics Dept., Faculty, NITK, Suratkal

Course Content: Experiments related to Civil Engineering was demonstrated

Coordinator: Dr. Karthika B S, HoD, Civil Engg. Dept.

Participants: Faculty & 100+ students of Civil Engg. Dept. of JNNCE

- (iv) **One day Fest “Uthana 2020” with theme “We are One” was organized by the Department of Management Studies on 07.03.2020**

Inaugurated by: Mr. Vasuki Vaibhav, Celebrity

Participants: It was attended by 23+ UG colleges; 300+ students from various parts of Karnataka.



National Education Society (R.)

Jawaharlal Nehru National College of Engineering, Shivamogga

(Approved by AICTE, New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC –'B',
NBA Accredited UG Programs: CE, ME,EEE,ECE,CSE,ISE,TCE for the period: 1.7.2019 to 30.6.2022)
Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)



INTERNAL QUALITY ASSURANCE CELL

Coordinator: Dr. N S Ravisha, Asst. Professor, MBA Dept.

Highlights:

- It was mix of cultural & management competition with very innovative activities. There were about 16 events and all were conducted in parallel. The whole arrangements made were fabulous and creative giving festival look.
- Two fold objective of Uthana, one, to bring hidden talents & give opportunity to our MBA students to organize; second, admission campaign for MBA

(v) Alumni Meet @ Nellore – JNNCEAA hosted Alumni Meet at Nellore Andhra Pradesh on 29th Feb 2020

Sponsored & hosted by: Alumni @ Nellore

Inaugurated by: Sri K Govardhan Reddy, MLA, Sarvepally Constituency, AP.

Coordinated by: Dr. Rajendra Katavkar, Professor, Civil Engg. Dept.

Participants: It was attended by 75+ alumni who from Nellore & AP; 13 Members of JNNCE

Outcome:

- Many Alumni expressed their ideas of associating with JNNCE to contribute to institution development
- Sri. K Govardhan Reddy contributed Rs. 1 Lakh towards JNNCE Alumni Scholarship Scheme and assured to recommend some known companies and friends to give funding under CSR scheme. Some other Alumni also contributed to Alumni Scholarship Scheme.

3. Achievements in Sports Activities : JNNCE Sports Team

- (i) Volleyball Men team Participated in VTU Central Karnataka zone Volleyball Men tournament held at HMSIT, Tumkur on 5th & 6th March 2020 & **Secured Second place;** qualified for Inter zone.
- (ii) Cricket Men team participated in VTU Central Karnataka zone Cricket tournament held at SIT, Tumkur on 11th to 15th March 2020 & **Secured First place;** qualified for Inter zone.
- (iii) Volleyball Women team participated in VTU Rest of Bengaluru zone Volleyball Women tournament held at JNNCE, Shivamogga on 12th & 13th March 2020 & **Secured Second place;** qualified for Inter zone.

4. Parents Meet on 16.6.2020

- As per the directive of VTU, Parents Meet was conducted to seek the feedback/ opinion of parents regarding Online Class, Refresher Classes before current Even Sem Exams and Reopening of Classes.
- On an average 35+ parents attended the meeting. Some of the parents connected through online meeting application.
- Feedback from the parents was collected through a questionnaire.

Summary of the feedback:

- I. Appreciated the effort of the faculty in conducting online classes
- II. Strongly suggested to conduct the refresher classes for at least one month before exams
- III. Concerned about maintaining COVID 19 SOP at the campus
- IV. Labs should be handled – students were unable to appreciate videos



National Education Society (R.)

Jawaharlal Nehru National College of Engineering, Shivamogga

(Approved by AICTE, New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC –'B',
NBA Accredited UG Programs: CE, ME,EEE,ECE,CSE,ISE,TCE for the period: 1.7.2019 to 30.6.2022)
Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)



INTERNAL QUALITY ASSURANCE CELL

5. Result Analysis of Odd Semester Examination: Dec/ Jan 2019-20

First semester

BRANCH	APPEARED	PASS	FAIL	%PASS
CS	126	102	24	80.95
EC	111	88	23	79.28
TE	37	25	12	67.57
ME	81	37	44	45.68
IS	117	86	31	73.5
EE	54	36	18	66.67
CV	94	51	43	54.26
Overall	620	425	195	68.55

Third Semester

BRANCH	APPEARED	PASS	FAIL	%PASS
CS	143	87	56	60.84
IS	118	78	40	66.11
TE	48	20	28	41.67
ME	108	66	42	61.12
EE	65	23	42	35.39
CV	123	69	54	56.1
EC	126	89	37	70.64
OVERALL	731	432	299	59.1

Fifth Semester

BRANCH	APPEARED	PASS	FAIL	%PASS
CS	136	109	27	80.15
IS	93	73	20	78.5
TE	45	37	8	82.22
ME	121	77	43	63.64
EE	66	50	16	75.76
CV	133	101	32	75.94
EC	138	125	13	90.58
OVERALL	732	572	159	78.15



National Education Society (R.)

Jawaharlal Nehru National College of Engineering, Shivamogga

(Approved by AICTE, New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC –'B',
NBA Accredited UG Programs: CE, ME,EEE,ECE,CSE,ISE,TCE for the period: 1.7.2019 to 30.6.2022)
Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)



INTERNAL QUALITY ASSURANCE CELL

Seventh Semester

BRANCH	APPEARED	PASS	FAIL	%PASS
CS	146	126	20	86.3
IS	95	90	5	94.79
TE	51	45	6	88.24
ME	135	115	20	85.19
EE	74	66	8	89.19
CV	138	123	15	89.14
EC	128	105	23	82.03
OVERALL	767	670	97	87.36

- Subject-wise analysis has been done
- Faculty members were asked to submit the root-cause analysis for poor result and action plan to improve the results
- Result Analysis – Review Meeting was conducted by the Principal during Apr. 2020

6. VTU Revaluation Centre at JNNCE

- Revaluation of Odd Sem Dec/Jan 2019-20 examination answer scripts were carried out at JNNCE from 21.5.2020 to 2.6.2020
- Server for Central Storage of Data with Core i7, 64GB RAM was installed
- Chief Coordinator: Dr. H R Mahadevaswamy, Principal
- Dr. S V Sathyanarayana and Mr. H K Pradeep, Assoc. Prof., ISE were the Coordinators
- **Total Scripts valued: 7520; Total Valuators : 111**

7. Campus Recruitment : 2019-20

Dept.	No. offers
CSE	78
ECE	68
ISE	26
TCE	08
EEE	11
Civil	02
Mech.	05
MCA	04
Total	202

- Training Programs Conducted: 10 Programs (Before Lock Down); 60+ online programs like Webinar, Quiz, Training, Test during Lockdown



National Education Society (R.)

Jawaharlal Nehru National College of Engineering, Shivamogga

(Approved by AICTE, New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC –'B',
NBA Accredited UG Programs: CE, ME,EEE,ECE,CSE,ISE,TCE for the period: 1.7.2019 to 30.6.2022)
Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)



INTERNAL QUALITY ASSURANCE CELL

5. Agenda Point 4: Refresher Classes before ensuing Even Sem Exams – Quality Initiatives & Planning

IQAC coordinator presented the preamble and proposal about the agenda:

Preamble

- As per the proceedings of the Vice-chancellor's meeting with Principals on 9.6.2020, Refresher classes of 25 Hours would be conducted during July for final year and during August for other semesters, before examination – PLAN 1
- VTU directed all the institutions to prepare a strategy about conducting classes
- As per VTU directive, attending this class would be optional for students
- Maintaining COVID 19 related SoP would be a challenge!!
- Coverage of syllabus with special focus on preparing students for examination and building confidence of facing examination among the students in a short time would be the main concern!!

Proposed Guidelines

- Classes to be scheduled in a staggered manner to avoid the crowd
- Based on the number of students opting and attending classes,
 - Maximum class strength could be 30
 - Might have to increase the no. of sections
 - Classes might be conducted for the courses based on the opinion of the students
 - Labs & Theory Classes could run in parallel

Proposed Quality Initiatives

- Planning more number of sessions for numerical / design / Analysis oriented courses
- Solving problems / questions of earlier question papers
- Preparing / circulating crisp materials
- Mentoring / handholding slow learners

Sri. S N Nagaraja gave the following suggestions:

- Weak students to be identified based on the previous results
- Refresher Classes are to be made compulsory for weak students
- Mentors to play a major role in making these students to attend
- Take the feedback from students

Principal suggested making these refresher classes optional, so that the needy students could be given more attention by the teachers.

Recommendations:

- i. The proposed guidelines were approved by all the members.
- ii. It was decided to involve Mentors to ensure the attendance of weak students.
- iii. Parents to be informed about the modes of conducting refresher classes to ensure their wards attending these classes regularly.

6. Agenda Point 5: Online Education – Requirements & Preparedness

IQAC coordinator presented the preamble and proposal about the agenda:



National Education Society (R.)

Jawaharlal Nehru National College of Engineering, Shivamogga

(Approved by AICTE, New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC –'B',
NBA Accredited UG Programs: CE, ME,EEE,ECE,CSE,ISE,TCE for the period: 1.7.2019 to 30.6.2022)
Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)



INTERNAL QUALITY ASSURANCE CELL

Preamble:

- Due to COVID 19 situation, in a matter of few days, educational institutions were forced to make major strategic shifts in Teaching-Learning Process – Moving on to Online Classes & Evaluation;
- Traditional in-person classroom learning was not going away entirely, but the opportunity for virtual solutions complementing the in-class experience was under discussion;
- **Blended Education** would be the order of the day
 - Discussions / Webinars were going on about having intelligent mix of in-person classroom teaching & Virtual Classes
- There was a need for rigorous brainstorming about requirements and preparedness for Online Education

Requirements & Preparedness

1. Infrastructure
 - IT enabled classrooms: Video recording facility of class along with beaming of class
 - Licensed Online Meeting Application & Assessment Tool
2. Online Teaching Material
3. Faculty Readiness
4. Changing the mindset of students
5. Reaching the students situated at remote places

Proposal

- Directing departments to conduct the brainstorming session about Blended Education requirements
- Faculty to attend webinars on Virtual Solutions
- Faculty to prepare teaching materials suitable for online classes

Sri. S N Nagaraja suggested exploring the possibility of using Flipped Classes and making an attempt to reach rural areas by forming a cluster at village level such that groups of students at a designated village would attend the online class at a common place where the internet connectivity existed.

Recommendations:

- I. To direct all departments to come up with a proposal about the requirements / preparedness of online classes
- II. To direct Faculty to attend webinars on Virtual Solutions
- III. Faculty to prepare teaching materials suitable for online classes

7. Agenda Point 6: Examination Reforms – Initiative by AICTE

IQAC coordinator presented the preamble and proposal about the agenda:

Preamble

- All HEIs were practicing Outcome Based Education as per AICTE-NBA Guidelines
- OBE comprises of two components:



National Education Society (R.)

Jawaharlal Nehru National College of Engineering, Shivamogga

(Approved by AICTE, New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC –'B',
NBA Accredited UG Programs: CE, ME,EEE,ECE,CSE,ISE,TCE for the period: 1.7.2019 to 30.6.2022)
Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)



INTERNAL QUALITY ASSURANCE CELL

- Outcome based Teaching-Learning Process
 - Outcome based Assessment
 - Outcome based Teaching-Learning Process had been practiced to some extent
 - Outcome based Assessment was not yet implemented in true spirit
 - In this context, AICTE has introduced Examination Reforms Policy Document and conducted webinars during 29th April – 2nd May 2020; six faculty members from JNNCE attended this workshop.
 - This document deals with techniques / procedures / templates about OBA
- In this context there is a need of revising the current practice of OBE followed at the departments.

Revised OBE Process

- Writing Course Outcomes
- Mapping to Program Outcomes – Generic statements
 - Classify POs based as – Knowledge, Skills, Attitude
- Two Step Process: To map CO to PO
 - Identifying Competencies
 - Identifying Performance Indicators – PIs
- Mapping COs –first to PIs; then to POs
- Indicate the COs & PIs in CIE documents

Proposal

- Practice Revised OBE process in a phased manner
- Prepare an Institution level OBE & OBA policy document in line with the AICTE Examination Reforms policy Document
- NBA committee to come out with a revised framework and set of templates to be used across the departments

Dr. Jalesh Kumar was of the opinion that, for Autonomous institutions there would be freedom of content delivery / Syllabus formation as per OBE. It would be difficult to adopt the OBE & OBA in true spirit by affiliated institutions. However, an attempt could be made by making use of Assignment component in CIE.

Dr. K M Basappaji opined that there was a need of aligning both OBE and OBA and, the Board of Studies of VTU should revise the Syllabus and Evaluation procedure as per the revised system.

Recommendations

- I. To come out with Institution Policy Document as per Examination Reforms guidelines of AICTE
- II. NBA committee to come out with a revised framework and set of templates to be used across the departments

8. Agenda Point 7: : Webinars / Online FDPs : Guidelines

IQAC coordinator presented the preamble and proposal about the agenda:

Preamble:



National Education Society (R.)

Jawaharlal Nehru National College of Engineering, Shivamogga

(Approved by AICTE, New Delhi, Certified by UGC 2f & 12B, Accredited by NAAC – 'B',
NBA Accredited UG Programs: CE, ME, EEE, ECE, CSE, ISE, TCE for the period: 1.7.2019 to 30.6.2022)
Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi)



INTERNAL QUALITY ASSURANCE CELL

- Due to COVID-19 Situation, FDPs / Workshops / Technical Activities could not be organized in the campus
- In this situation many institutions were found organizing webinars

Proposal

- Departments to plan for organizing webinars / FDPs
- Departments to create platform for conducting Webinars
- Each department to plan at least one FDP and three webinars in the next semester

Sri. S N Nagaraja suggested that all the faculty members to attend FDPs/Webinars and update their knowledge. In turn, they should transmit the knowledge to the students. This should be made compulsory. He requested all the members to take up this seriously at department level.

Recommendations:

- I. Departments to plan for organizing webinars / FDPs
- II. Departments to create platform for conducting Webinars
- III. Each department to plan at least one FDP and three webinars / SDPs in the next semester

9. Other Subjects: IQAC coordinator placed the following proposal:

- a. To identify new IQAC coordinator as the current coordinator has assumed the position of HoD, E & C
- b. To reconstitute IQAC and nominate new set of Department IQAC coordinators.

Resolutions

- I. It was resolved to nominate the new IQAC Coordinator along with the nomination of new set of Department IQAC Coordinators.
- II. Chairman IQAC directed Dean-Academics to identify new IQAC Coordinator and reconstitute the IQAC.

10. As there were no other subjects, the meeting concluded, with the Coordinator thanking all the members for their active participation.

To:

All the members, Dean – Academic 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.