



Navodaya Education Trust
NAVODAYA INSTITUTE OF TECHNOLOGY
Navodaya Nagar, Bijangere Road, Raichur-584103
Affiliated to VTU, Belagavi Karnataka, Approved by AICTE, New Delhi

FIVE YEAR ANNUAL REPORT

(2015-16 to 2019-20)



**NAVODAYA
INSTITUTE OF
TECHNOLOGY**

From

NAVODAYA INSTITUTE OF TECHNOLOGY, RAICHUR

ABOUT THE INSTITUTE

1	Name & Address of the Management	NAVODAYA EDUCATION TRUST, RAICHUR
2	Name of the Chairman	Shri.S.R.Reddy
3	Year of Establishment of the Management	1992
4	Name of the College / Institute:	NAVODAYA INSTITUTE OF TECHNOLOGY, RAICHUR
5	Address	Navodaya Nagar, Mantralayam Road, Raichur, Karnataka
6	Telephone No. & Fax No.	08532-240334
7	Year of Establishment of the College	2008
8	Name of the Principal	Dr.M.V.Mallikarjuna
9	Mobile No.	9980724369
10	E-Mail ID	principal.nit@navodaya.edu.in
11	Web Site	www.navodaya.edu.in
12	Type of College	Private Un-aided

Courses Offered with Approved Intake

Sl. No.	Under Graduate Course	Year of Est.	Approved Intake (UG)	Post Graduate Courses	Year of Est.	Approved Intake(PG)
1	CIVIL ENGG	2010	60	DCN	2014	18
2	MECH ENGG	2010	60	TPE	2014	18
3	EEE	2008	60			
4	ECE	2008	60			
5	CSE	2008	60			

INTERNAL QUALITY ASSURANCE CELL (IQAC)

Introduction

The guidelines provided in the following pages will guide and facilitate the institution in the creation and operation of the Internal Quality Assurance Cell (IQAC). The work of the IQAC is the first step towards internalization and institutionalization of quality enhancement initiatives. Its success depends upon the sense of belongingness and participation it can inculcate in all the constituents of the institution.

VISION

To initiate, strengthen and augment the quality of academics and administration at Navodaya Institute of Technology.

MISSION

1. Nurturing the quality of education through innovation and best practices.
2. Establishing quality benchmarks in academics and administration.
3. Conducting periodic interactions, with members, and audits for augmenting the institutional performance.

• OBJECTIVE

The primary aim of IQAC is to develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.

• STRATEGIES

IQAC shall evolve mechanisms and procedures for

- a) Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks
- b) Equitable access to and affordability of academic programmes for various sections of society
- c) Optimization and integration of modern methods of teaching and learning
- d) The credibility of evaluation procedures
- e) Ensuring the adequacy, maintenance and proper allocation of support structure and services

• FUNCTIONS

- a) Development and application of quality benchmarks/ parameters for various academic and administrative activities of the institution
- b) Facilitating the creation of a learner-centric environment conducive to quality education
- c) Dissemination of information on various quality parameters of higher education
- d) Documentation of the various programmes/activities leading to quality improvement
- e) Acting as a nodal agency of the Institution for coordinating quality-related activities
- f) Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC, to be submitted to NAAC.

• **BENEFITS**

IQAC will facilitate / contribute

- a) To heightened level of clarity and focus in institutional functioning towards quality enhancement and facilitate internalization of the quality culture
- b) To the enhancement and integration among various activities of the institution and institutionalize good practices;
- c) To provide basis for decision-making to improve institutional functioning
- d) To act as a dynamic system for quality changes in HEIs
- e) To better internal communication

COMMITTEE

Composition of IQAC is as follows:

Chairman	Dr. M. V. Mallikarjuna, Principal
Sr. Admin Staff	Mr. Venkatramana, Finance Officer, NIT-R Mr. Ravi, Manager, NIT-R
Faculty Members	1. Dr. P. Rathnakumar, HOD/ MECH 2. Dr. K. Venkatachalam, HOD/ECE 3. Dr. M. Srinivasan, HOD/ EEE 4. Dr. M. N. Faruk, HOD / CSE 5. Dr. R. Sarvanan, HOD/ CIVIL
Management	Mr. N. Bharath Reddy, CEO- NIT
Local Society	Dr. Somanath Reddy, NGO, Raichur
Students	1. Ms. T. Suman, CE, IV Year B.E. 2. Mr. Abhishek K, CSE, IV Year B.E. 3. Ms. Javeria Iram, ECE, IV Year B.E. 4. Md. Mohiuddinulla, EEE, III Year B.E. 5. Ms. M. Tejaswini, ME, III Year B.E.
Alumni	1. Mr. Anil Kumar, Asst. Engineer, KPCL, Bengaluru 2. Mr. Loushingkomba P, Senior Analyst, Business Operations, DELL, Bengaluru 3. Mrs. Gauravi Shetty Sugandhi, Asst. Professor, NIT-R
Employers/ Industrialist	1. Dr. A. Ramchandra Murthy Senior Scientist, CSIR-SERC, Chennai 2. Mr. T M L Shankar, Production Manager, Ashok Leyland, Chennai
Stakeholders (Parents)	Mr. Narasimha MurthyK, Vasavi Nagar, Raichur
Director/ Co-ordinator- IQAC	Dr. Suman Kumar B, Vice Principal/ Professor

REPORT FOR 2019-20

Plan of Action by IQAC/Outcome

The plan of action is chalked out by the IQAC in the beginning of the year towards quality enhancement and the outcome is achieved by the end of the year

Plan of Action	Achievements
To Strengthen the Quality of Academics.	Various seminars and workshops are conducted on a regular basis to update the faculty on topics
To Monitor and evaluate the performance of the Teaching learning activities.	Feedback for each subject is collected, analyzed and necessary action is taken.
To conduct national level seminar/ conference/ workshop.	All the departments conducted the national workshop
To increase the number of paper presentations by students and faculty members.	The coordinator of R&D cell supervises the research activities.

IQAC ensured the quality in academics and administration for the academic year 2018-19 by implementing effective strategies through various committees and cells to set the action plans and did the needful for the implementations in the departments effectively with needed support, facilities and approvals from principal and concerned bodies.

The impact of the implementation is well analysed through the annual report submitted by the committees and also the internal Academic and Administrative audit of all the departments. The quality improvement strategies are implemented for infrastructure facilities, student support progression, leadership and e-governance. The faculty appraisals are analysed and monetary benefits are given based on academic performance and other roles and responsibilities of the faculty throughout the year.

Dissemination of quality strategies including feedback reports, Guidelines for conduction of laboratories, teaching & learning practices, Research activities. The quality improvement programs are exercised in campus recruitment trainings which resulted in effective placements in reputed industries. The students have participated in Blood Donation Camps, Swatch Bharat Abhiyan etc., that enhanced the quality of culture and social conciseness in the students. Special focus is made for the improvement of weak students by allotting tutorial classes in the time-table. The library is facilitated with necessary e-journals, digital library and books as suggested by IQAC. Financial support is given to the faculty for attending seminars, workshops and publications.

Consolidated Progress Report

The overall Progress of the Navodaya Institute of Technology is presented below in the form of data rubrics and pictorial presentation.

1. No. of Faculties participated in

- Academic council/BoS of Affiliating university

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
00	01	02	03	02

- Setting of question papers for UG/PG programs

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
15	16	07	01	03

- Assessment /evaluation process of the affiliating University

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
30	54	41	38	37

2. Number of Add on /Certificate programs offered during the last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
13	13	15	15	15

3. Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
334	321	383	400	365

4. Average percentage of courses that include experiential learning through project work/field work/internship during last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
318	316	335	321	326

5. Number of students admitted year-wise during last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
95	141	154	180	185

6. Number of actual students admitted from the reserved categories year-wise during the last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
80	127	133	160	162

7. Number of full-time teachers' year-wise during the last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
87	87	82	82	80

8. Ratio of mentor to students for academic and other related issues 1:12

9. Number of full time teachers with *Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt.* year wise during the last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
13	11	12	7	12

10. Number of final year students who passed the university examination year-wise during the last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
243	197	194	193	171

11. Result Analysis

Navodaya Institute of Technology: Raichur						
Academic Year- 2019-20						
Brief Report on final year result of UG & PG (Odd Sem.)						
Department	Number of students appeared	Number of students passed	FCD	FC	SC	Pass %
CV	94	85	51	28	6	90.43
CS	25	24	11	10	3	96.00
EC	19	18	16	2	0	94.74
EE	43	40	34	6	0	93.02
ME	58	52	43	9	0	89.66
DCN	3	1	1	0		33.33
TPE	1	1	1	0	0	100
Average pass % for 2019-20 (Odd sem): 90.95						

Academic Year- 2018-19**Brief Report on final year result of UG & PG (Even Sem.)**

Department	Number of students appeared	Number of students passed	FCD	FC	SC	Pass %
CV	88	83	46	34	4	94.32
CS	21	21	16	5	0	100.00
EC	18	18	13	5	0	100.00
EE	35	35	33	2	0	100.00
IS	2	2	2	0	0	100.00
ME	30	27	25	2	0	90.00
DCN	3	3	3	0		100
TPE	0	0	0	0	0	0
Average pass % for 2018-19 academic year: 95.94						

Academic Year- 2017-18**Brief Report on final year result of UG & PG (Even Sem.)**

Department	Number of students appeared	Number of students passed	FCD	FC	SC	Pass %
CV	76	59	42	12	5	77.63
CS	9	9	7	2	0	100.00
EC	19	18	14	4	0	94.74
EE	32	28	16	10	2	87.50
IS	1	1	1	0	0	100.00
ME	50	50	34	16	0	100.00
DCN	6	6	6	0	0	100.00
TPE	1	1	1	0	0	100.00
Average pass % for 2017-18 academic year: 87.70						

Academic Year- 2016-17**Brief Report on final year result of UG & PG (Even Sem.)**

Department	Number of students appeared	Number of students passed	FCD	FC	SC	Pass %
CV	76	47	27	18	2	61.84
CS	19	18	10	6	2	94.74
EC	22	21	19	2	0	95.45
EE	26	25	16	9	0	96.15
IS	3	3	0	3	0	100.00
ME	44	41	24	16	1	93.18
DCN	3	3	0	3	0	100.00
TPE	0	0	0	0	0	0.00
Average pass % for 2016-17 academic year: 81.58						

Academic Year- 2015-16**Brief Report on final year result of UG & PG (Even Sem.)**

Department	Number of students appeared	Number of students passed	FCD	FC	SC	Pass %
CV	55	53	37	15	1	96.36
CS	24	24	13	11	0	100.00
EC	27	24	20	4	0	88.89
EE	24	22	21	1	0	91.67
IS	5	5	3	2	0	100.00
ME	35	31	19	12	0	88.57
DCN	1	1	1	0	0	100.00
TPE	0	0	0	0	0	0.00
Average pass % for 2015-16 academic Year: 93.56						

12. Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
0.18	0.09	0	0	0

13. Number of teachers recognized as research guides : 6

14. Details of Faculty registered for Ph.D. for the AY 2019-20

Sl. No.	Name	Department / Research Centre	VTU		Other University		Total no. of Candidates	
			No. of Candidates Registered	No. of Ph. D awarded	No. of Candidates Registered	No. of Ph. D awarded	Registered	Awarded
1	Mr.Srikar k Kulkarni	Mech Engg/ PDA Kalburgi	01	00	00	00	01	00
2	Mrs.Supriya Purohit	CSE/RPMC, Ballari	01	00	00	00	01	00
3	Mr.Pradeep Kumar	Mechanical Enigneering /	00	00	01	00	03	00
4	Mr.Md.Umar	VELS Institute of Science & Tech	00	00	01	00		00
5	Me.Zeeshan Ali	of Advanced Studies, Chennai	00	00	01	00		00
6	Dr.Srikanth Shetty	Maths / VSK University Ballari	00	00	00	01	00	01

15. Number of departments having Research projects funded by government and non-government agencies during the last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
2	1	0	0	0

16. Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
9	8	8	9	7

17. Number of research papers in the Journals notified on UGC website during the last five years.

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
0	1	0	1	6

18. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
15	17	32	24	28

19. Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
10	05	08	04	04

20. Number of extension and outreach Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
21	14	15	11	13

21. Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
490	530	549	620	522

22. Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
41	30	0	2	0

23. Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
26	9	8	11	1

24. Number of classrooms and seminar halls with ICT facilities: 35

25. Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
41.45	17.61	25.03	33.98	44.05

26. Annual expenditure of purchase of books/e-books and subscription to journals/e-journals year wise during last five years (INR in Lakhs)

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
7.07	8.99	11.01	19.08	11.89

27. Bandwidth of internet connection in the Institution: 100Mbps

28. Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year-wise during the last five years (INR in lakhs)

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
99.72	242.00	306.39	56.07	84.04

29. Number of students benefited by scholarships and free ships provided by the Government year-wise during last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
350	364	703	608	464

30. Total number of students benefited by scholarships, free ships, etc provided by the institution / non- government agencies year-wise during last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
170	114	71	28	0

31. Number of students benefitted by guidance for competitive examinations and career counselling offered by the institution year wise during last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
551	590	624	678	581

32. Number of outgoing students placed year - wise during the last five years.

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
25	96	78	103	69

33. Number of students qualifying in state/ national/ international level examinations (eg: IIT/JAM/ NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ State government examinations, etc.)) year-wise during last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
2	6	3	3	2

34. Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) year-wise during the last five years.

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
0	5	3	0	3

35. Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
18	23	23	25	28

36. Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
54	64	37	35	22

37. Total number of professional development /administrative training Programmes organized by the institution for teaching and non teaching staff year-wise during the last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
22	13	27	24	13

38. Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
65	82	80	79	57

39. Performance Appraisal System for teaching and non-teaching staff :

- It is done annually once in a year.

40. Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

- Conducted Internal Audit for all the Departments Revised in IQAC meeting.

41. The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities:

- Lesson plan Preparation
- NPTEL video
- NPTEL Certificate Programme
- BRP Program
- PPT for students
- VTU QP Assignment
- SDC Program
- Programming club.

42. Total Grants received from non-government bodies, individuals, Philanthropers year wise during the last five years (INR in Lakhs)

AY: 19-20	AY:18-19	AY:17-18	AY:16-17	AY:15-16
3.97	18.97	7.29	0	0

43. Measures initiated by the Institution for the promotion of gender equity during the last year:

44. Gender Equity Programme are Organised.

44. The Institution has facilities for alternate sources of energy and energy conservation measures Solar energy/Biogas plant/Wheeling to the Grid /Sensor-based energy conservation/Use of LED bulbs/ power efficient equipment

- Solar power plant of 0.5 MW established by Fourth Energy consultant.

45. Green campus initiatives include:(Restricted entry of automobiles/Use of Bicycles/ Battery powered vehicles/Pedestrian Friendly pathways/Ban on use of Plastic/landscaping with trees and plants)

- Plantation is Done.
- Green initiative is in Practice.

46. Quality audits on environment and energy are regularly undertaken by the institution Green audit/Energy audit/Environment audit/Clean and green campus recognitions/awards Beyond the campus environmental promotional activities

- Green, Environmental & Energy Audit is carried out every year.

The IQAC initiated the quality placement and training programmes in the year 2017.

The IQAC

concentrates on Placement, Higher studies and Entrepreneurship that specially focuses on students. The IQAC organized various events such as orientation programme, lectures, training on aptitude, logical, verbal ability, programming on soft skills, practice tests and mock recruitment drives.

The following activities were organized for Career guidance and Placement training by the department.

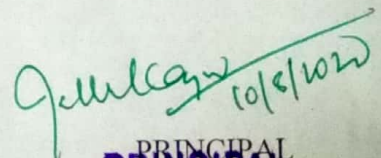
1. Webinars / Web Conferencing
2. Mock Interviews
3. Group Discussions
6. Communication Skill Development
7. Skill enhancement programme.

IQAC reviewed the academic audit report and the short falls are identified. The reports are sent to the principal's office for corrective action.

Future Plans

1. To organize programs to enhance quality in higher education.
2. To channelize the system for effective work and monitoring.
3. To motivate the faculties for research and funding.
4. To Motivate the faculties to organize National and International conferences.


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