



YEARLY STATUS REPORT - 2020-2021

Part A

Data of the Institution

1.Name of the Institution	NATIONAL ENGINEERING COLLEGE
• Name of the Head of the institution	Dr.K.Kalidasa Murugavel
• Designation	Principal
• Does the institution function from its own campus?	Yes
• Phone No. of the Principal	04632222502
• Alternate phone No.	9385976674
• Mobile No. (Principal)	9442280227
• Registered e-mail ID (Principal)	principal@nec.edu.in
• Address	K.R.Nagar, Kovilpatti, Thoothukudi

	(Dt) - 628503
• City/Town	Kovilpatti
• State/UT	Tamil Nadu
• Pin Code	628503
2. Institutional status	
• Autonomous Status (Provide the date of conferment of Autonomy)	23/05/2011
• Type of Institution	Co-education
• Location	Rural
• Financial Status	UGC 2f and 12(B)
• Name of the IQAC Co-ordinator/Director	Dr. L. Kalaivani
• Phone No.	04632222502
• Mobile No:	9843008500
• IQAC e-mail ID	iqac@nec.edu.in
3. Website address (Web link of the AQAR (Previous Academic Year))	https://nec.edu.in/wp-content/uploads/2020/12/AQAR-Report-2019-2020.pdf
4. Was the Academic Calendar prepared for that year?	Yes
• if yes, whether it is uploaded in the Institutional website Web link:	https://nec.edu.in/wp-content/uploads/2021/01/Academic-

[Schedule-2020-2021.pdf](#)**5. Accreditation Details**

Cycle	Grade	CGPA	Year of Accreditation	Validity from	Validity to
Cycle 1	B	2.5	2014	21/02/2014	20/02/2019
Cycle 1	B++	2.83	2017	22/02/2017	21/02/2022

6. Date of Establishment of IQAC

06/06/2013

7. Provide the list of Special Status conferred by Central and/or State Government on the Institution/Department/Faculty/School (UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC, etc.)?

Institution/ Department/Faculty/School	Scheme	Funding Agency	Year of Award with Duration	Amount
National Engineering College	New Generation Innovation and Entrepreneurship Development Centre (NewGen IEDC)	NSTEDB, EDII Ahmedabad & DST New Delhi	15/06/2017	6000000
National Engineering College	DST FIST	DST, New Delhi	20/09/2018	2150000

8. Provide details regarding the composition of the IQAC:

- Upload the latest notification regarding the composition of the IQAC by the HEI

[View File](#)**9. No. of IQAC meetings held during the year**

1

- Were the minutes of IQAC meeting(s) and compliance to the decisions taken uploaded on the institutional website?

Yes

- If No, please upload the minutes of the meeting(s) and Action Taken Report

No File Uploaded

10. Did IQAC receive funding from any funding agency to support its activities during the year?

No

- If yes, mention the amount

11. Significant contributions made by IQAC during the current year (maximum five bullets)

Enhancement in Teaching Learning process through LMS (Learning Management Systems - Moodle platform)

Students are motivated to participate and explore their innovative ideas in various Hackathon and develop new products by providing fund through NewGen IEDC

Preparing moderation assessment report for continuous evaluation of quality as well as course outcome attainment for individual subjects

Faculty members have been motivated and facilitated to attend faculty development training programs and workshops in NITs/ IITs/IISC and other reputed institutions.

Faculty members and students have been motivated to undergo Industrial Training in reputed industries of their core areas with the funding from the management.

12. Plan of action chalked out by IQAC at the beginning of the academic year towards quality enhancement and the outcome achieved by the end of the academic year:

Plan of Action	Achievements/Outcomes
Being mandatory for all faculty members to attend Faculty Development Programs in reputed institutions in the upcoming years	153 out of 179 faculty members have attended FDP/Seminar/Workshop at various institutions
The faculty members are motivated by the Research and Development Review Committee to publish their research finding in SCI journals and apply research funding in various agencies.	6 projects worth Rs.23 lakhs funded by DRDO, KRIC, and EDII are presently going on. • In the current year, 164 research papers are published by our faculty members in reputed international journals so far.
Providing various Placement oriented training programs such as BEC, CODE IT,	Several Programs were organized for students regarding placement

communication skill training, C programming and Python for the students	
All the faculty members are encouraged to attend industrial training in every year.	80% of Faculty member have undergone Industry Know How Program , which is financially supported by the Institute.
To develop products through students projects and to get patents through innovative products	NSTEDB-DST, Govt. of India, New Delhi and EDII, Ahmadabad have funded our institute to set up NewGen IED Centre. The NewGen IEDC of our institution was granted with Rs. 1,67,50,000/- to develop 50 numbers of commercially viable students' projects. So far, 45 numbers of commercially viable products have been developed by various department student batches through the NewGen IEDC funding, and the 40 numbers of products are yet to be developed.
Students are encourage to became entrepreneur with pioneering ideas through NEC-Business Incubator Cell K.R. Innovation Center	Ministry of MSME, Government of India has recognized NEC as a Host Institute for business Incubation activities and sanctioned Rs.29.39 lakhs to five incubators to develop products. Our Institute has framed NEC Innovation and Startup Policy 2020 (NECISP 2020) to motivate innovation and entrepreneurship culture among students, faculty, alumni and external aspiring entrepreneurs. K. R. Innovation Centre (KRIC) has conducted two cohorts such as NEC Startup Entrepreneurship Summit (NECSES) and Startupathon in 2020. So far, 2 startups have graduated with Series-B funding and 13 startups are under incubation in KRIC.
To get consultancy projects through industrial knowhow program by faculty members	21 activities have been carried out with 10 MoUs signed with various industries
To Publish research papers in SCI Journal by PG students and Scopus journals by UG students	4 SCI journals, 37 Scopus publications and 28 IEEE Conference publications have bee published through student projects
To get globally accepted	25 awards have been received by students. 6 awards have

certification by students to faculty in their domain area	been received by faculty members.
NPTEL Certification by Students Faculty Members. Co - Curricular and Extra Curricular Activities The following co - curricular and extra - curricular activities enable the students to acquire soft skills and interpersonal skills.	81% of faculty members have done NPTEL certification.
Conducting awareness programs and programs related to Entrepreneurship for the students	5 Programs were conducted for our students through ED cell and IIC.
Conducting various Guest lectures and alumni interaction on current topic	2 Programs were arranged by NEC alumni chamber and more no. of interaction have been made through every departments
Organizing Industrial Visit based on their discipline	Every department have arranged industrial visit for their students.
Planned to conduct workshop to enhance the skills among the students in the Odd Saturdays Social Activities The following social activities will be carried out to give humanitarian Perspective and values of life to our college students and to give knowledge and technological exposure to the students of rural area.	Various clubs like NSS, NCC and Social Awareness camp have been conducted in and around Kovilpatti
Conducting laboratory practical sessions for rural area school students	1 Program is conducted by EEE department for school students

Implementation of e - learning for school students in villages	It is planned to provide E-learning session for the school students in upcoming year
Arranging orphanage visit for our students	NSS Volunteers visited orphanage regularly during festivals.

13. Was the AQAR placed before the statutory body?	Yes
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- Name of the statutory body

Name of the statutory body	Date of meeting(s)
Management and before the IQAC Peer Review Team including IQAC internal members.	13/03/2021

14. Was the institutional data submitted to AISHE ?	Yes
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- Year

Year	Date of Submission
19/02/2020	19/02/2020

Extended Profile

1. Programme

1.1 Number of programmes offered during the year: 11

2. Student

2.1 Total number of students during the year: 2409

2.2 Number of outgoing / final year students during the year: 714

2.3 Number of students who appeared for the examinations conducted by the institution during the year: 2404

3. Academic

3.1 Number of courses in all programmes during the year:	1158
3.2 Number of full-time teachers during the year:	179
3.3 Number of sanctioned posts for the year:	179
4. Institution	
4.1 Number of seats earmarked for reserved categories as per GOI/State Government during the year:	252
4.2 Total number of Classrooms and Seminar halls	75
4.3 Total number of computers on campus for academic purposes	1395
4.4 Total expenditure, excluding salary, during the year (INR in Lakhs):	668.12

CURRICULAR ASPECTS

1.1 - Curriculum Design and Development

1.1.1 - Curricula developed and implemented have relevance to the local, national, regional and global developmental needs v

National Engineering College offers seven undergraduate and five postgraduate programmes to cre category of Personality and Character Development, Allied Skills/Value Added Courses. The struc

File Description

Upload additional information, if any

Link for additional information

1.1.2 - Number of Programmes where syllabus revision was carried out during the year

11

File Description

Minutes of relevant Academic Council/BOS meeting

Details of syllabus revision during the year

Any additional information

1.1.3 - Number of courses focusing on employability/entrepreneurship/ skill development offered by the Institution durin**982**

File Description

Curriculum / Syllabus of such courses

Minutes of the Boards of Studies/ Academic Council meetings with approval for these courses

MoUs with relevant organizations for these courses, if any

Any additional information

1.2 - Academic Flexibility**1.2.1 - Number of new courses introduced across all programmes offered during the year****778**

File Description

Minutes of relevant Academic Council/BoS meetings

Any additional information

Institutional data in prescribed format (Data Template)

1.2.2 - Number of Programmes offered through Choice Based Credit System (CBCS)/Elective Course System**11**

File Description

Minutes of relevant Academic Council/BoS meetings

Any additional information

List of Add on /Certificate programs (Data Template)

1.3 - Curriculum Enrichment**1.3.1 - Institution integrates cross-cutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Susta****Beyond technical aspects, the curriculum design and development has reasonably dedicated to ser**

Human values and Professional Ethics: All UG programmes have three-credit mandatory courses on

Environment and Sustainability: The curriculum is designed to take responsibility for environme

Gender: To provide an integrated and interdisciplinary approach to understand the social and cu

File Description

Upload the list and description of the courses which address issues related to Gender, Environment and Sustainability, Human Values

Any additional information

1.3.2 - Number of value-added courses for imparting transferable and life skills offered during the year

65

File Description

List of value-added courses

Brochure or any other document relating to value-added courses

Any additional information

1.3.3 - Number of students enrolled in the courses under 1.3.2 above

4867

File Description

List of students enrolled

Any additional information

1.3.4 - Number of students undertaking field work/projects/ internships / student projects

2212

File Description

List of programmes and number of students undertaking field projects / internships / student projects

Any additional information

1.4 - Feedback System

1.4.1 - Structured feedback and review of the syllabus (semester-wise / year-wise) is obtained from 1) Students 2) Teachers

File Description

Provide the URL for stakeholders' feedback report

Upload the Action Taken Report of the feedback as recorded by the Governing Council / Syndicate / Board of Management

Any additional information

1.4.2 - The feedback system of the Institution comprises the following

File Description

Provide URL for stakeholders' feedback report

Any additional information

TEACHING-LEARNING AND EVALUATION

2.1 - Student Enrollment and Profile

2.1.1 - Enrolment of Students

2.1.1.1 - Number of students admitted (year-wise) during the year

564

File Description

Any additional information

Institutional data in prescribed format

2.1.2 - Number of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc.) as per the reservation policy during the year

162

File Description

Any additional information

Number of seats filled against seats reserved (Data Template)

2.2 - Catering to Student Diversity

2.2.1 - The institution assesses students' learning levels and organises special programmes for both slow and advanced learners:

Students from rural backgrounds and different vernacular mediums of instruction are identified,
 SPECIAL PROGRAMS FOR SLOW LEARNERS: Our Institute organizes an orientation program for both the
 SPECIAL PROGRAMS FOR ADVANCED LEARNERS: Fast track learners are motivated to enroll in NPTEL or

File Description

Upload any additional information

Paste link for additional information

2.2.2 - Student - Teacher (full-time) ratio

Year

30/06/2021

File Description

Upload any additional information

2.3 - Teaching- Learning Process

2.3.1 - Student-centric methods such as experiential learning, participative learning and problem-solving methodologies are used

NEC provides resources and engaging in other activities supporting students' learning. The curriculum
 The following are the experimental learning methods used by NEC.

Practical Courses- The curriculum is designed to provide students with hands-on experience in a
 Internships and Internshala- As per regulation, each student must complete Industrial Training
 Industrial Projects- Department and College level placement coordinators arrange industrial projects
 Industrial Visits/Tours- Faculty members arrange industrial visits/tour for the students every

The following ways offer participative learning

Active Learning- Active learning methods like role plays, group discussion, problem-solving, ar

Blended Learning- Faculty members practice NEC-MOODLE and GOOGLE CLASSROOM based LMS systems to

Classroom Interaction- Modern teaching pedagogy like Jigsaw, Mud cards, and Think Pair Share is

Tutorial- To ensure individual participation in the classroom, problem-based -assignments are c

Seminar/Conference/Symposia- Students are encouraged to participate in seminars, conferences, a

Problem-solving methodologies offered in Institution

Case study- All faculty members link real-life problems with their course and solving the probl

Problem-solving through Project-based learning- Students are encouraged to associate with the f

Engaging in research-oriented projects- Students actively involved in research-oriented project

Through the PALS programme, our Institute is linked to IIT Madras, and every year, students con

File Description
Upload any additional information
Link for additional Information

2.3.2 - Teachers use ICT-enabled tools including online resources for effective teaching and learning

In the previous years, tools like Google classroom were used both for learning and assessments.

The periodical assessment for each course outcome like Quiz, Active Quiz, and assignment is cor

The PowerPoint presentation and the recorded videos will not be sufficient for online classes c

Classrooms are equipped with smart monitors, and Laboratories have a Projector facility to hand

The Central Library provides excellent library facilities for all the students and faculty memk

e-Learning Management System (e-LMS) that customizes the content of NPTEL Videos and includes c

Specialized computer laboratories with an internet connection have been provided to promote inc

File Description

Provide link for webpage describing ICT enabled tools including online resources for effective teaching and learning process

Upload any additional information

2.3.3 - Ratio of students to mentor for academic and other related issues

2.3.3.1 - Number of mentors

143

File Description

Upload year-wise number of students enrolled and full-time teachers on roll

Circulars with regard to assigning mentors to mentees

2.3.4 - Preparation and adherence to Academic Calendar and Teaching Plans by the institution

Preparation of Academic Calendar

The Institute follows a strategy to prepare the academic calendar for every year well in advanc

Preparation of Teaching Plan

The teaching plan is prepared by the faculty members handling the courses and uploaded in the N

- Course outcomes
- Syllabus content
- Textbooks and reference books list
- Number of hours required for each topic
- Delivery method Assessment told to be followed for each course outcome
- CO and Internal mark evaluation
- Procedure Target and threshold percentage.
- Rubrics for Evaluation of Cognitive and Affective domain Tools
- Mapping of Course Outcome (CO) with Programme Outcome (PO)

Adherence to the Teaching plan

Based on the academic calendar, Internal and other Assessment test is conducted according to Ir

File Description

Upload the Academic Calendar and Teaching Plans during the year

2.4 - Teacher Profile and Quality

2.4.1 - Number of full-time teachers against sanctioned posts during the year

179

File Description

Year-wise full-time teachers and sanctioned posts for the year

List of the faculty members authenticated by the Head of HEI

Any additional information

2.4.2 - Number of full-time teachers with PhD/ D.M. / M.Ch. / D.N.B Super-Specialty / DSc / DLitt during the year

74

File Description

List of number of full-time teachers with PhD./ D.M. / M.Ch. / D.N.B Super-Specialty / D.Sc. / D.Litt. and number of full-time teach

Any additional information

2.4.3 - Total teaching experience of full-time teachers in the same institution: (Full-time teachers' total teaching experie

1841

File Description

List of teachers including their PAN, designation, Department and details of their experience

Any additional information

2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of last semester-end/ year- end examination till the declaration of results during th

File Description

List of Programmes and the date of last semester-end / year-end examinations and the date of declaration of result

Any additional information

2.5.2 - Number of students' complaints/grievances against evaluation against the total number who appeared in the exam

0

File Description

Upload the number of complaints and total number of students who appeared for exams during the year

Upload any additional information

2.5.3 - IT integration and reforms in the examination procedures and processes including Continuous Internal Assessment (CIA)

The Controller of Examinations (CoE) office introduced several Reforms in the Examination System

- A choice-based Credit System (CBCS) was introduced for the benefit of the students.
- Transparency in the evaluation. Before publishing End Semester results, the students can view the results of the internal assessment.
- Information technology tools are utilised for most of the activities associated with the credit system.
- In the Continuous internal assessment system, performance in two mid examinations for theory courses is considered.

In End Semester Examinations, the following measures are taken:

- A comprehensive examination instruction manual and various academic regulations are prepared.
- Question banks/Questions are prepared for all the theory courses and one credit courses as well.
- The examination schedule is prepared and published on the institute website and communicated to the students.
- Question papers are set based on Revised Blooms Taxonomy by the subject experts inside the department.
- The scrutiny committee of each department undertakes scrutiny of questions and validation of question papers.
- The integrated examination system is in place for taking care of pre and post-examination activities.
- External experts do auditing of the questions papers and answer scripts.
- A transparent evaluation system is followed with the answer keys by subject experts.
- Unbiased valuation is ensured through a dummy number system.
- The results are published in the NEC-ERP portal, which is in-house.
- The grievance of the student is considered, and there is a provision to appeal against the results.

Pre-Examination Process

The pre-examination procedures like timetable preparation, arrangements of answer booklets in k

Post Examination Process

- The end semester answer scripts are evaluated in a central valuation by the subject experts
- Before publishing the End Semester examination results, the students can verify the answer
- The Performance Analysis Committee is chaired by the Principal consisting of the Dean (Acad
- A meeting of the Result Passing Board constituted by the Principal shall be convened to ana
- The results are processed and declared after the approval of the Result Passing Board Commi
- The generation of grade sheets and consolidated grade sheets are prepared by considering up

File Description

Upload any additional information

Paste link for additional Information

2.6 - Student Performance and Learning Outcomes

2.6.1 - Programme Outcomes and Course Outcomes for all Programmes offered by the institution are stated and displayed on tl

Outcome-Based Education (OBE) has been implemented in our Institute since 2013 as OBE emphasize

File Description

Upload COs for all courses (exemplars from the Glossary)

Upload any additional information

Link for additional Information

2.6.2 - Attainment of Programme Outcomes and Course Outcomes as evaluated by the institution

The assessment of CO is mandatory for Lab and Theory courses. The assessment of COs is done bas

Attainment of program outcomes

The curriculum and syllabus are developed by taking into consideration of all the POs and PSOs. laboratory halls, seminar halls, faculty rooms, the entrance of the department and department l

File Description

Upload any additional information

Paste link for additional Information

2.6.3 - Pass Percentage of students

2.6.3.1 - Total number of final year students who passed in the examinations conducted by Institution

699

File Description

Upload list of Programmes and number of students appear for and passed in the final year examinations

Upload any additional information

Paste link for the annual report

2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design its own questionnaire)

<https://erp.nec.edu.in/feedback/>

RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Promotion of Research and Facilities

3.1.1 - The institution's research facilities are frequently updated and there is a well-defined policy for promotion of research

National Engineering College (NEC) has a well-defined policy to promote research, consultancy, care of the patent filing process, which is governed by the Research policy of the Institute.

File Description

Upload the Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption

Provide URL of policy document on promotion of research uploaded on the website

Any additional information

3.1.2 - The institution provides seed money to its teachers for research

3.1.2.1 - Seed money provided by the institution to its teachers for research during the year (INR in lakhs)

1.7

File Description
Minutes of the relevant bodies of the institution regarding seed money
Budget and expenditure statements signed by the Finance Officer indicating seed money provided and utilized
List of teachers receiving grant and details of grant received
Any additional information

3.1.3 - Number of teachers who were awarded national / international fellowship(s) for advanced studies/research during

0

File Description
e-copies of the award letters of the teachers
List of teachers and details of their international fellowship(s)
Any additional information

3.2 - Resource Mobilization for Research

3.2.1 - Grants received from Government and Non-Governmental agencies for research projects, endowments, Chairs dur

67.8

File Description
e-copies of the grant award letters for research projects sponsored by non-governmental agencies/organizations
List of projects and grant details
Any additional information

3.2.2 - Number of teachers having research projects during the year

13

File Description
Upload any additional information
Paste link for additional Information

List of research projects during the year

3.2.3 - Number of teachers recognised as research guides

49

File Description

Upload copies of the letter of the university recognizing teachers as research guides

Institutional data in Prescribed format

3.2.4 - Number of departments having research projects funded by Government and Non-Government agencies during the year

8

File Description

Supporting document from Funding Agencies

Paste link to funding agencies' website

Any additional information

3.3 - Innovation Ecosystem

3.3.1 - Institution has created an ecosystem for innovations and creation and transfer of knowledge supported by dedicated cell

National Engineering College Business Incubator (NEC-BI) National Engineering College (NEC) has

VISION: To nurture entrepreneurs through start-ups towards economic and industrial growth create

MISSION: To provide state-of-the-art infrastructure to the incubatees to innovate in the field

The KRIC (NEC-BI) provides free co-working room for young developers, versatile corporate incubator

National Engineering College Entrepreneurship Development Cell (NEC-EDC)

Entrepreneurship Development Cell was established in our Institute on 22.01.2015 with nine faculty members

Objectives of Entrepreneurship Development Cell:

To transform entrepreneurship aspiring students as employment creators immediately after their

"NEC INNOVATION PERFORMANCE RATING 2020 WITH 5 STAR BY MINISTRY OF EDUCATION'S INNOVATION CELL"

File Description

Upload any additional information

Paste link for additional information

3.3.2 - Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR), Entrepreneurship

File Description

Report of the events

List of workshops/seminars conducted during the year

Any additional information

3.4 - Research Publications and Awards**3.4.1 - The Institution ensures implementation of its Code of Ethics for Research uploaded in the website through the following**

File Description

Code of Ethics for Research, Research Advisory Committee and Ethics Committee constitution and list of members of these committees

Any additional information

3.4.2 - Number of PhD candidates registered per teacher (as per the data given with regard to recognized PhD guides/ supervisors)**3.4.2.1 - Number of PhD students registered during the year**

18

File Description

URL to the research page on HEI website

List of PhD scholars and details like name of the guide, title of thesis, and year of registration

Any additional information

3.4.3 - Number of research papers per teacher in CARE Journals notified on UGC website during the year

68

File Description
List of research papers by title, author, department, and year of publication
Any additional information
3.4.4 - Number of books and chapters in edited volumes / books published per teacher during the year
29
File Description
Upload any additional information
Paste link for additional information
3.4.5 - Bibliometrics of the publications during the year based on average Citation Index in Scopus/ Web of Science/PubMed
3.4.5.1 - Total number of Citations in Scopus during the year
2580
File Description
Any additional information
Bibliometrics of the publications during the year
3.4.6 - Bibliometrics of the publications during the year based on Scopus/ Web of Science - h-Index of the University
3.4.6.1 - h-index of Scopus during the year
48
File Description
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution
Any additional information
3.5 - Consultancy
3.5.1 - Revenue generated from consultancy and corporate training during the year (INR in lakhs)
2.78

File Description
Audited statements of accounts indicating the revenue generated through consultancy and corporate training
List of consultants and revenue generated by them
Any additional information

3.5.2 - Total amount spent on developing facilities, training teachers and clerical/project staff for undertaking consultanc

0.61

File Description
Audited statements of accounts indicating the expenditure incurred on developing facilities and training teachers and staff for unde
List of training programmes, teachers and staff trained for undertaking consultancy
List of facilities and staff available for undertaking consultancy
Any additional information

3.6 - Extension Activities

3.6.1 - Extension activities carried out in the neighbourhood sensitising students to social issues for their holistic development,

Service to society and needy people is service to god. Incubating such human values and attitud

File Description
Upload any additional information
Paste link for additional information

3.6.2 - Number of awards and recognition received by the Institution, its teachers and students for extension activities fr

9

File Description
Number of awards for extension activities in during the year
e-copy of the award letters
Any additional information

3.6.3 - Number of extension and outreach programmes conducted by the institution through NSS/NCC/Red Cross/YRC, etc**203**

File Description

Reports of the events organized

Any additional information

3.6.4 - Number of students participating in extension activities listed in 3.6.3 during the year**23194**

File Description

Reports of the events

Any additional information

3.7 - Collaboration**3.7.1 - Number of collaborative activities during the year for research/ faculty exchange/ student exchange/ internship/ c****114**

File Description

Copies of documents highlighting collaboration

Any additional information

3.7.2 - Number of functional MoUs with institutions of national and/or international importance, other universities, indus**9**

File Description

e-copies of the MoUs with institution/ industry/ corporate house

Details of functional MoUs with institutions of national, international importance, other institutions etc. during the year

Any additional information

INFRASTRUCTURE AND LEARNING RESOURCES

4.1 - Physical Facilities

4.1.1 - The Institution has adequate infrastructure and physical facilities for teaching-learning, viz., classrooms, laboratories, (

The college is set amidst sylvan surroundings against a backdrop of Western Ghats. It has an ex

The Institute has State-of-the-art laboratories to conduct practical courses as per the curricu

In addition to the traditional boards for chalk and talk, classrooms (about 90%) are equipped w

Collar mics, stands for capturing live lectures, speakers, smart tabs, HD cameras, and headphor

Advance Computing facilities with 1366 computers, including the latest configuration systems. F

The college has installed both licensed and open-source software for the needs of teaching and

Two separate men's hostel with an accommodation capacity of about 800 students along with sophi

The college has the following infrastructure/facilities in its premises for personal needs and

File Description

Upload any additional information

Paste link for additional information

4.1.2 - The institution has adequate facilities for cultural activities, yoga, sports and games (indoor and outdoor) including gym

Adequate facilities are available for playing outdoor games, sports, gymnasium, yoga, and cultu

Playground:

The open playground is being used to conduct the games such as Football, Handball, Kabaddi, Ter

Gym Hall:

The gymnasium hall is housed various exercise equipment, including 16 Station Multi-Gym, Motori

Yoga Centre:

Yoga is being practiced in the college. The students are motivated to do yoga exercises regular

Cultural Activities:

The auditorium (with a seating capacity of 900) and seminar halls are utilized to conduct cultu

File Description

Geotagged pictures

Upload any additional information

Paste link for additional information

4.1.3 - Number of classrooms and seminar halls with ICT-enabled facilities

68

File Description

Upload any additional information

Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)

4.1.4 - Expenditure for infrastructure augmentation, excluding salary, during the year (INR in Lakhs)

233.46

File Description

Upload audited utilization statements

Details of Expenditure, excluding salary, during the years

Any additional information

4.2 - Library as a Learning Resource

4.2.1 - Library is automated using Integrated Library Management System (ILMS)

Name of the ILMS Software: InsPro Plus

Our College Central Library is automated with the details below:

Name of the ILMS Software : InsPro Plus

Nature of Automation (fully or partially) : Fully Automated

Year of Automation : 1998 - Updated August 2011

Name of the ILMS Software: InsPro Plus

Central Library was automated in 1998 by using LIBASOFT and AutoLib Software in the year 2004.

The Library has a rich collection of 61608 books and 24459 titles, 114 National Journals and Te

The Central Library provides the following sections and services:

Book stocking section

Periodical Section

Reference Section

Reprography Service

Book Bank Section

Audio & Video Section (A.V.Hall)

The Central Library is kept open throughout the year except for government Holidays (Weekdays C

File Description

Upload any additional information

Paste link for additional information

4.2.2 - Institution has access to the following: e-journals e-ShodhSindhu Shodhganga Membership e-books Databases Remc

File Description

Details of subscriptions like e-journals, e-books, e-ShodhSindhu, Shodhganga membership

Upload any additional information

4.2.3 - Expenditure on purchase of books/ e-books and subscription to journals/e-journals during the year (INR in lakhs)**18.49**

File Description

Audited statements of accounts

Any additional information

Details of annual expenditure for purchase of books/e-books and journals/e- journals during the year (Data Template)

4.2.4 - Usage of library by teachers and students (footfalls and login data for online access)**4.2.4.1 - Number of teachers and students using the library per day during the year****338**

File Description

Upload details of library usage by teachers and students

Any additional information

4.3 - IT Infrastructure**4.3.1 - Institution has an IT policy covering Wi-Fi, cyber security, etc. and has allocated budget for updating its IT facilities**

The college has a well-established IT infrastructure and facilities and has been upgraded regul

Computer Systems Core i7 : 19 Corei5 : 893 Corei3 : 22 Dual Core : 461 Total No of system : 139

Servers : 33

Peripherals Black and White Laser Printer : 64 Color Laser Printer : 3 Inkjet Printer : 5 Xerox

The entire campus is connected with fiber backbone, and internal blocks are connected with local

Internet Details

The details of the internet facility on our campus are 155 Mbps Airtel (1:1) leased line interr

Microsoft Edu Cloud Campus Agreement, the entire campus is WiFi enabled by 189 numbers dual-bar

File Description

Upload any additional information

Paste link for additional information

4.3.2 - Student - Computer ratio

Number of Students

2409

File Description

Upload any additional information

4.3.3 - Bandwidth of internet connection in the Institution and the number of students on campus

File Description

Details of bandwidth available in the Institution

Upload any additional information

4.3.4 - Institution has facilities for e-content development: Facilities available for e-content development N

File Description

Upload any additional information

Paste link for additional information

List of facilities for e-content development (Data Template)

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical and academic support facilities, excluding salary component, du

416.17

File Description

Audited statements of accounts

Upload any additional information

4.4.2 - There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - c

Laboratory Maintenance: The maintenance of the equipment of laboratories is taken care of by th

Classroom Maintenance: The concerned department monitors the maintenance of the classroom ICT f

Campus Maintenance: Cleanliness & daily maintenance of the interior facility (classrooms, labor

Electrical Maintenance: All the circuitry-related tasks are integrated and brought under one un

Sports Complex Maintenance and Utilization: The physical education department maintains playgrc

File Description

Upload any additional information

Paste link for additional information

STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Number of students benefitted by scholarships and freeships provided by the Government during the year

1214

File Description

Upload self-attested letters with the list of students receiving scholarships

Upload any additional information

5.1.2 - Number of students benefitted by scholarships and freeships provided by the institution and non-government ager

152

File Description

Upload any additional information

Institutional data in prescribed format

5.1.3 - The following Capacity Development and Skill Enhancement activities are organised for improving students' capabilities

File Description

Link to Institutional website

Details of capability development and schemes

Any additional information

5.1.4 - Number of students benefitted from guidance/coaching for competitive examinations and career counselling offered

1952

File Description

Any additional information

Number of students benefitted by guidance for competitive examinations and career counseling during the year (Data Template)

5.1.5 - The institution adopts the following mechanism for redressal of students' grievances, including sexual harassment

File Description

Minutes of the meetings of students' grievance redressal committee, prevention of sexual harassment committee and Anti-ragging committee

Details of student grievances including sexual harassment and ragging cases

Upload any additional information

5.2 - Student Progression

5.2.1 - Number of outgoing students who got placement during the year

533

File Description

Self-attested list of students placed

Upload any additional information

5.2.2 - Number of outgoing students progressing to higher education

46

File Description

Upload supporting data for students/alumni

Details of students who went for higher education

Any additional information

5.2.3 - Number of students qualifying in state/ national/ international level examinations during the year**5.2.3.1 - Number of students who qualified in state/ national/ international examinations (e.g.: IIT-JAM/NET/SET/JRF/ GATE)**

35

File Description

Upload supporting data for students/alumni

Any additional information

5.3 - Student Participation and Activities**5.3.1 - Number of awards/medals for outstanding performance in sports and/or cultural activities at inter-university / state level**

2

File Description

e-copies of award letters and certificates

Any additional information

5.3.2 - Presence of an active Student Council and representation of students in academic and administrative bodies/committees**Yes, Students have active representation in academic and administrative bodies and various committees****Academic Council & Board of Studies****The academic council meeting is held every academic Year after the Board of studies meeting to****Anti-ragging committee**

Students are nominated as members of the anti-ragging committee as per the recommendations from Class committee

Class committees acts as a students council to sort out the grievances. It comprises of student Department Advisory Committee

Every department has an advisory committee with all the stakeholders of the education system - Library Advisory Committee

The college library has an advisory committee in which students are a part of the committee. The Hostel committees

The college Hostel has various committees with student members. The committees are framed as me Internal Quality Assurance Cell (IQAC)

Students belonging to each department are representatives in IQAC, and they actively participat

File Description
Upload any additional information
Paste link for additional information

5.3.3 - Number of sports and cultural events / competitions organised by the institution

20

File Description
Report of the event
List of sports and cultural events / competitions organised per year
Upload any additional information

5.4 - Alumni Engagement

5.4.1 - The Alumni Association and its Chapters (registered and functional) contribute significantly to the development of the i

NEC Alumni association was registered as a society on 01.06.2006 with an intention to build net alumni association supports the student's placement and training activities through conducting

For more details, visit <https://alumni.nec.edu.in/>

File Description

Upload any additional information

Paste link for additional Information

5.4.2 - Alumni's financial contribution during the year

File Description

Upload any additional information

GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institi

The National Educational and Charitable Trust, Kovilpatti, has established the National Engineering College, Kovilpatti. The institution is committed to providing quality education and research with human values.

VISION

Transforming lives through quality education and research with human values

MISSION

To maintain excellent infrastructure and highly qualified and dedicated faculty.

To provide a conducive learning environment with an ambiance of humanity, wisdom, creativity, and innovation.

To promote the values of ethical behavior and commitment to society.

To partner with academic, industrial, and government entities to attain collaborative research.

The Institution's mission statement exhibits the clarity to attain the goal of vision through v

File Description

Upload any additional information

Paste link for additional Information

6.1.2 - Effective leadership is reflected in various institutional practices such as decentralization and participative management

NEC was established under the auspices of the National Educational and Charitable Trust, and it

The Governing Council has empowered and authorized the Principal for the academic administrative

CASE STUDY: PARTICIPATIVE MANAGEMENT

During the second parent-teachers association meeting in the academic year, 2018-2019, held on

File Description

Upload strategic plan and deployment documents on the website

Upload any additional information

Paste link for additional Information

6.2 - Strategy Development and Deployment

6.2.1 - The institutional Strategic/ Perspective plan has been clearly articulated and implemented

Strategic planning has been initiated with a long-term viewpoint to accomplish the vision and mission

Some of the imperative plans envisioned in the strategic plan between the years 2016 - 2021 are

1.To enhance the teaching-learning processes and industry-institute interaction by providing financial

2.To widen the ratio of placement with defined median and highest salary.

3.To motivate the faculty and students to publish more quality publications in peer-reviewed journals

4.To encourage the faculty members to get research sponsored projects by various government agencies

5.To establish a new smart classroom for the students that includes Smart TV with Wi-Fi connectivity

6.To provide financial and administrative support to the faculties members for attending FDP/Se

7. To ensure the research status, post Ph.D. publications, and R&D activities, research review
8. To promote the research status of the institute, incentives for research publications and res
9. To enhance the teaching-learning process, faculty members who got NPTEL topper/Rank in their
10. To design and develop a curriculum comprising 65% of theory courses and 35% of the practical
- Strategic plans are implemented in a well-organized manner by discussing with stakeholders and

File Description

Strategic Plan and deployment documents on the website

Paste link for additional information

Upload any additional information

6.2.2 - The functioning of the various institutional bodies is effective and efficient as visible from the policies, administrative s

I) Administrative Setup

Members from the governing board committee formulate principles and policies for teaching and r

The Principal has supremacy concerning all the academic and administrative substance, including

The non-academic administrative tasks are executed by the Administrative Manager, the Office Ma

Dean Academic has the vital responsibility to enhance educational activities and acts as the cc

II. Service rules, Procedures, Recruitment, and Promotional Policies:

The college has a well-established policy, procedures, and rules as approved by the Governing C

Some of the policies and procedures contained in the HR manual are listed below: Roles and Resp

File Description

Paste link to Organogram on the institution webpage

Upload any additional information

Paste link for additional Information

6.2.3 - Implementation of e-governance in areas of operation: Administration Finance and Accounts Student Admission an**File Description**

ERP (Enterprise Resource Planning) Documen

Screen shots of user interfaces

Details of implementation of e-governance in areas of operation

Any additional information

6.3 - Faculty Empowerment Strategies**6.3.1 - The institution has effective welfare measures for teaching and non-teaching staff and avenues for their career develop**

Institute has effective welfare measures for both teaching and non-teaching staff members. The

Employees Provident Fund (EPF)

ESI facility for Non-teaching staff

Staff Gratuity

Group Insurance

Medical Claim Policy

Sponsoring for Higher Education/Research by the grant of leave/lien.

Casual, Earned, Vacation and Medical leave

Maternity Leave to female employees

On-duty leave for attending FDPs / Conferences/Workshops/etc...

Financial support for attending conferences/workshop/seminar

Incentives for publications in peer-reviewed journals

Incentives for NPTEL Gold Medalist

Free transport to teaching and non-teaching staff

Free Hostel Accommodation facility

Sports and Gym facilities.

Canteen Facilities

Separate Dining Hall for faculties

Indian Overseas Bank branch with ATM facility on the campus.

Staff Club - Annual picnic, festival gift, and annual gift for staff

Festival advance

Staff Quarters

COVID'19 Special Leave with Salary

File Description

Upload any additional information

Paste link for additional information

6.3.2 - Number of teachers provided with financial support to attend conferences / workshops and towards payment of m

35

File Description

Upload any additional information

Details of teachers provided with financial support to attend conference, workshops etc during the year (Data Template)

6.3.3 - Number of professional development / administrative training programmes organized by the Institution for its teachers

20

File Description

Reports of the Human Resource Development Centres (UGC HRDC/ASC or other relevant centres)

Upload any additional information

6.3.4 - Number of teachers who have undergone online/ face-to-face Faculty Development Programmes during the year: ()

153

File Description

Summary of the IQAC report

Reports of the Human Resource Development Centres (UGC ASC or other relevant centers)

Upload any additional information

6.4 - Financial Management and Resource Mobilization**6.4.1 - Institution conducts internal and external financial audits regularly**

A financial committee has been constituted twice a year to allocate funds for various activities

File Description

Upload any additional information

Paste link for additional information

6.4.2 - Funds / Grants received from non-government bodies, individuals, and philanthropists during the year (not covered by UGC)

10

File Description

Annual statements of accounts

Details of funds / grants received from non-government bodies, individuals, philanthropists during the year

Any additional information

6.4.3 - Institutional strategies for mobilisation of funds and the optimal utilisation of resources

National Engineering College is a self-financed institution, where the funds are generated through

1. A major source of revenue for the college is from the tuition fee collected from the students

2. The collected fee is deposited in the Institution's account and withdrawn periodically as per

3. The other sources of revenue are from transport fees, examination fees and funds/grants received

4. Institute adheres to the Utilization of budget approved for academic expenses and administrative

5. Optimal Utilization of the fund is ensured through a budget plan. Every department and section

6. The proposals are consolidated and reviewed by the finance committee and allot funds.

7. The funds are also utilized for infrastructure development, salary, research, training activities

8. The financial supports are extended to seminars/workshops/ Symposium Association activities/

9. The student's extra-curricular activities are a major concern, and adequate funds have been used

10. Scholarships are provided to economically backward students & meritorious students. The Util

11. The budget utilization of the past years speaks out the efficient budgeting and optimal utilization

12. Transparency and accountability are ensured by conducting an annual audit of the statements

File Description

Upload any additional information

Paste link for additional Information

6.5 - Internal Quality Assurance System

6.5.1 - Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing quality assurance strategies and

Our Institution has established the IQAC on 10.06.2013, which has an external peer team to assess

Practice 1 : NEC Moodle Platform for Teaching-Learning Process and assessment

From the year 2017 onwards, Online Teaching-Learning Process and Online assessment were initiated

Practice 2: Industry Ready Curriculum

In today's educational practice, industries' contribution to curriculum design and delivery at

File Description

Upload any additional information

Paste link for additional information

6.5.2 - The institution reviews its teaching-learning process, structures and methodologies of operation and learning outcomes

Our college reviews the teaching-learning process, structures, methodologies, and learning outcomes

At the end of every semester, the faculty development section conducts a concluding audit to re

Students have individual user credentials to access content through Personalized Dashboard.

Posting Online Course materials and Digital Textbooks.

Providing user-friendly graphical user design for course content access.

Collaborative tools and activities Convenient file management Activity-based attendance marking

Track progress of students.

Conducting Online Exams

If any suggestions, they will be accumulated into the next academic year. Every semester before

File Description

Upload any additional information

Paste link for additional information

6.5.3 - Quality assurance initiatives of the institution include Regular meeting of the IQAC Feedback collected, analysed a

File Description

Paste the web link of annual reports of the Institution

Upload e-copies of accreditations and certification

Upload details of quality assurance initiatives of the institution

Upload any additional information

INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Measures initiated by the Institution for the promotion of gender equity during the year

National Engineering College is distinctive in terms of gender equity. The Institute has nearly

A. Safety and Security

The Institute provides CCTV surveillance across the campus to ensure safety and security. The s

B. Counseling

The Institute has a mechanism of giving counselling to address both personal and academic issue

C. Common Rooms

Common rooms are available for girls at the campus. These rooms are well ventilated and have wa

D. Daycare center for young children

The Institution has the provision to take care of the children of teaching and non-teaching sta

File Description

Upload any additional information

Paste link for additional Information

7.1.2 - The Institution has facilities for alternate sources of energy and energy conservation: Solar energy Biogas p

File Description

Geotagged Photographs

Any other relevant information

7.1.3 - Describe the facilities in the institution for the management of the following types of degradable and non-degradable waste

Solid Waste Management

A system for solid/liquid waste management is in place through recycling and other means, among

Liquid Waste Management

Sewage Treatment Plants (STP) with 1,50,000 Ltr capacity (Estd: 2017) at a cost of Rs. 12.0 Lak

E-waste Management

E-Waste management is also taken care of by the Institute. Old and functional computers that are

Biomedical waste management

The Institution has no biomedical wastage generated inside the campus

Hazardous chemicals and radioactive waste management

The Wastewater from the engineering chemistry lab is treated well and utilized for gardening. 1

File Description

Relevant documents like agreements/MoUs with Government and other approved agencies

Geotagged photographs of the facilities

Any other relevant information

7.1.4 - Water conservation facilities available in the Institution: Rain water harvesting Bore well /Open well recharge Con

File Description

Geotagged photographs / videos of the facilities

Any other relevant information

7.1.5 - Green campus initiatives include

7.1.5.1 - The institutional initiatives for greening the campus are as follows:

1. Restricted entry of automobiles
2. Use of bicycles/ Battery-powered vehicles
3. Pedestrian-friendly pathways
4. Ban on use of plastic
5. Landscaping

File Description

Geotagged photos / videos of the facilities

Various policy documents / decisions circulated for implementation
--

Any other relevant documents

7.1.6 - Quality audits on environment and energy undertaken by the institution

7.1.6.1 - The institution's initiatives to preserve and improve the environment and harness energy are confirmed through

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions/awards
5. Beyond the campus environmental promotional activities

File Description

Reports on environment and energy audits submitted by the auditing agency

Certification by the auditing agency

Certificates of the awards received

Any other relevant information

7.1.7 - The Institution has a disabled-friendly and barrier-free environment: Ramps/lifts for easy access to classrooms and

File Description

Geotagged photographs / videos of facilities
--

Policy documents and brochures on the support to be provided
--

Details of the software procured for providing assistance

Any other relevant information

7.1.8 - Describe the Institutional efforts/initiatives in providing an inclusive environment i.e. tolerance and harmony towards c

National Engineering College makes efforts to provide an inclusive environment both for the stu
YUFONEC was conducted every year with special performances by our students. Navarathri is celek

File Description

Supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)

7.1.9 - Sensitization of students and employees of the institution to constitutional obligations: values, rights, duties and respor

One of the primary missions of our College is to serve society at large. Hence various initiati
volunteers, free eye checkup camps have been arranged by the YRC club members. Fine arts member

File Description

Details of activities that inculcate values necessary to transform students into responsible citizens

Any other relevant information

7.1.10 - The institution has a prescribed code of conduct for students, teachers, administrators and other staff and condu

File Description

Code of Ethics - policy document

Details of the monitoring committee composition and minutes of the committee meeting, number of programmes organized, reports

Any other relevant information

7.1.11 - Institution celebrates / organizes national and international commemorative days, events and festivals

Our Institution organizes national and international commemorative days and celebrates festival

Independence Day: The Institution celebrates Independence Day on 15th August of every year with

Republic Day: Republic Day is celebrated on 26th January with joy and patriotic fervor. On this

Engineers day (Birth Anniversary of Sir M. Visvesvaraya): The Institution celebrates this day c

Teacher's Day: Teachers' day is celebrated to commemorate the birth anniversary of the second President of India.

Women's Day : The Institution celebrates women's day on 8th March by inviting women from diverse fields to share their experiences.

Mahatma Gandhi Birth Anniversary: The Institution celebrates Mahatma Gandhi Birth Anniversary by organizing various activities.

The International Yoga Day is celebrated on 21st of June to understand and practice the value of yoga.

File Description

Annual report of the celebrations and commemorative events for during the year

Geotagged photographs of some of the events

Any other relevant information

7.2 - Best Practices

7.2.1 - Provide the weblink on the Institutional website regarding the Best practices as per the prescribed format of NAAC

Best Practice 1:

Title of the Practice

Scheduling appropriate academic planning for every student depends on their competency level and interests.

1. Title of the Practice

Scheduling appropriate academic planning of every student based on their competency level and interests.

2. Objectives of the Practice

- To motivate and guide the students in all academic aspects.
- To make the students identify and fix their dream company, either a Core or a Software Company.
- To motivate the students who are interested in the Government sector and higher studies.
- To identify the students' ability towards their goal and make them give their contributions.
- To make students recognize their strengths and weaknesses and to take appropriate corrective measures.

3. The Context

A lot of job opportunities are there for potential students. Effective communication skills are

4. The Practice

Around 20 students will be assigned to each Mentor, who will also act as their loca

II Year	Academic Achievements	Tutors monitor the academic performance of the students. They are motivating the students to secure good marks in academic courses. They are also taking care of slow learners.
	Online courses	Students are encouraged to learn courses through the online platform such as NPTEL, SWAYAM, MOOC, MIT, Coursera, etc. Credit transfer is also allowed in the regulations to encourage the students.
	Improving slow learners	Tutors identify the slow learners, understand the gap, motivate the students to learn, and improve the performances of slow learners.
III Year	product development activities and paper publication	In curriculum, courses like product development laboratory, research paper and patent review, mini project and project work are available to all students. The tutors identify the outstanding students from their wards. They are encouraged to participate in product development and research paper publication. Various college forums such as NewGen IEDC, Product development centers, alumni forum and association etc., are encouraging and funding the students to develop prototypes.
	*Encouraging the students to participate in	Competencies of the students are improved through skill rack, in-lab facilities provided by the

	national and international events *Competency training towards career settlement	Institution. Forums like code IT, training and placement cell are doing these activities. Tutors are encouraging the students to participate and monitoring their performance.
IV Year	Career settlement	Students are given the opportunity to choose a career path with the available opportunities such as core placement, IT company placement, Government sector placement preparation, Higher studies through competitive examinations and entrepreneurial paths. Tutors are identifying the student's interest, based on which their career and dream company are fixed and it will be presented before the HoD and the Principal. College is providing training to all types of career settlement processes. Core and IT placement training are taken care of by the training and placement cell of the Institute. The GATE Forum of our Institute gives competitive examination training. Entrepreneurship training is provided by Entrepreneurship Development Cell and K.R. Innovation Cell.

The parents-teachers meeting is organized once every semester. The parents meet the Tutor, the

5. Evidence of Success

1. The internal assessment marks obtained by the students in each semester, and the attendance
2. The fast learner and slow learner students could be easily identified, and appropriate step

3. A mentor could track the completion of Non-CGPA courses that were mandatory for all the stu
4. Seminars attended, NPTEL courses completed, Papers presented in national and international
5. The student's record also contains information about their internship details, Placement de
6. Students are also mentored for project work, product development, hackathons, conferences,
7. Even after completing the course, students' records are kept safely to clarify the company'

6. Problems encountered and Resources Required

- The Institute is situated in a rural area that the students are not that much exposed to th
- To mold the students' mentality to bring improvement in their personality was a difficult t

BEST PRACTICE 2

1. Title of the Practice

Providing adequate facilities and schemes for the faculty members to achieve their

2. Objectives of the Practice

- To facilitate in defining the short-term goals (in line with vision and mission) to be achi
- To frame competency matrix for faculty in different cadre to achieve these goals.
- To set the mechanism for analyzing the competency level and to assess the competency gaps c
- To facilitate in arranging faculty training programmes to fill the competency gap for the f
- To set the mechanism for assessing the progress of the college and department in achieving
- To set the mechanism for reviewing and redefining the short-term goals after the stipulated
- To bring smooth transition in the teaching-learning process from present passive learning t

3. The Context

The competency of each faculty member of various departments is assessed. The progress a

4. The Practice

The faculty members are encouraged to undergo Industry Know how-program and industry To bring consistency in the growth of research status and post Ph.D. publication of the f

5. Evidence of Success

The institute has made concerted efforts to establish a state-of-art research ambiar

The research centers of our institute are supported by the research advisory board c

6. Problems Encountered and Resources Required

Various steps are taken for the development of the faculty members in terms of acade

File Description
Best practices in the Institutional website
Any other relevant information

7.3 - Institutional Distinctiveness

7.3.1 - Highlight the performance of the institution in an area distinct to its priority and thrust (within a maximum of 200 word

Provision of availing internship

The prime motive of the Institution is to mould and empower students in the pursuit of knowledg

The Institute has established its distinctive approach towards this comprehensive Vision by the

All the students are motivated to undergo Inplant Training / Internship at industry or research

Internship: Earn While Learn

Our institute organizes various workshops and training session to enhance the student's skill k

According to our curriculum, Institute has given the provision for students to avai

Paid internship during final year either for industrial project based on their interest or for

Mentors motivate the students from the third year onwards for the final year internship. They a

- Apart from this, in-house industrial internships are offered
 - In ECE Department VLSI chip testing lab has been established in collaboration with M/s.
 - Industry specific incubation labs have been setup in the academic year 2018-19 in assoc

In the academic year 2019-20 NEC-Mistral Research and Development lab has been established in t

Link: <https://nec.edu.in/NAAC-CYCLE-II/>

File Description
Appropriate link in the institutional website
Any other relevant information

7.3.2 - Plan of action for the next academic year

The Strategic plans for the academic year 2022-23 are as follows

- Increasing the number of publications in reputed journals and conferences by motivating the
- Being mandatory for all faculty members to attend Faculty Development Programs in reputed i
- Providing several Placement oriented training programs such as BEC, CODE IT, Communication
- Increasing the number of students potential transformations in national and international e
- Effective Implementation of 100% of career Settlement.
- Promote research practice in undergraduate and postgraduate students.

- Students are encouraged to become entrepreneurs with pioneering ideas through NEC-Business
- To get consultancy projects through an industrial know - how program by faculty members

Co - Curricular and Extra-Curricular Activities

The following Co - Curricular and Extra - Curricular activities enable the students to acquire

- Conducting awareness programs and Entrepreneurship programmes for the students
- Conducting various Guest lectures and alumni interaction on current topics.
- Organizing Industrial Visit based on their curriculum.

Social Activities

The following social activities will be carried out to give humanitarian Perspective and values

- Conducting practical related courses for rural area school students.
- Implementation of "e - learning" for school students in villages
- Conducting various soft skills training programs for both school teachers and students of

Arranging orphanage visit to inculcate the human values for our students.