Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**NEHRU INSTITUTE OF ENGINEERING AND TECHNOLOGY**
Name of the head of the Institution	**Dr.P.Maniiarasan**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04222380007**
Mobile no.	**9003936804**
Registered Email	**nietprincipal@nehrucolleges.com**
Alternate Email	**nietprincipal@gmail.com**
Address	**Nehru Institute of Engineering and Technology, T.M.Palayam**
City/Town	**Coimbatore**
State/UT	**Tamil Nadu**
Pincode	**641105**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Dr.A.Sivasamy**
Phone no/Alternate Phone no.	**04222380007**
Mobile no.	**9486382032**
Registered Email	**nietiqac@nehrucolleges.com**
Alternate Email	**nietiqac@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://www.nehrucolleges.org/iqac/NIET_AQAR_2018.pdf

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://www.nehrucolleges.org/NAAC/Academic%20Calander%20NIET.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B++**	**2.91**	**2017**	**09-Jun-2017**	**08-Jun-2022**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**14-Sep-2014**

7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
One day workshop on Bloom	**17-May-2019**	**108**

Taxonomy Learning Objective	1	
Seminar on Plastic Awareness Programme	29-Dec-2018 1	133
Two Days Workshop on Technology based Teaching-Learning Process.	06-Jun-2018 2	108
Seminar on Technology Based Entrepreneurship Development Program on Internet Of Things	12-Nov-2018 15	21
Seminar on Various Funding Opportunities and Art of Writing Research Proposal	04-May-2019 1	45
Seminar on Entrepreneurship Awareness camp	04-Mar-2019 3	80
FDP on Application of tools and techniques in research methodology	18-Feb-2019 3	108
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NIET/Chemistry/ Brindha	Seminar grant	CSIR	2019 1	15000
NIET/physics/Ja yaprakash	Seminar grant	CSIR	2018 1	15000
NIET/Physics/Sa thya Priya	Seminar Grant	CSIR	2018 1	15000
NIET/Maths/Eswa ran	Seminar Grant	CSIR	2018 1	20000
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	**4**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**

Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?	**No**

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

• **First cycle of National Board of Accreditation Process for 4 Departments successfully completed • Departments of EEE, Aeronautical Engineering got Permanent Affiliation status from Anna University • International Collaboration: MoU was signed with University Sains Malaysia and has planned for the conduct of international conference on advances in cyber security • Started Newgen IEDC worth 287 lakhs for a duration of 5 years from Entreprenuership Development Institute of INDIA • Central Library PK Das Knowledge Fort has launched the 9th NATIONAL DIGITAL LIBRARY India Club on 08th January 2019**

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
To increase Project/Seminar grants	**Started Newgen IEDC worth 287 lakhs for a duration of 5 years from Entreprenuership Development Institute of INDIA. Received 4 seminar grants from CSIR for the conduct of seminars on ? Renewable and Sustainable Energy Inception and storage devices using Nanomaterials ? Novelty in Differential Calculus and its Engineering Applications ? Recent Advances in Crystal Growth for Nanophotonics and Non Linear Optics and ? Transmutation of Froth Water into De-froth Water using Solar Power**
To initiate International collaboration	**MoU was signed with University Sains Malaysia and has planned for the conduct of international conference on advances in cyber security**
To sign MOU every year in the related industries/academic/ research	**The institution has signed MoU with major industries and has established Industry based training centres in association with Intel Fice Pvt. Ltd. ,Texas Instruments,Sanko Gosei Inc. Japan,Avatar Academy, Jet Aerospace Aviation Research Centre**
To motivate students and secure Anna University ranks	**The institution has 15 rank holders of Anna University**
Discussion on Academic planning and	**Academic calendar prepared based on the**

preparation of Academic calendar for the institute and department	University academic schedule and list of holidays declared by the Government and Management.
Coaching Class	All HODs directed their faculty members to improve the university result by taking extra lectures for students
To conduct Alumni meet once a year	Decided to conduct alumni meeting at major cities once in a year and on the day of Convocation Ceremony
Discussion done on maintenance activity of Civil, Electrical, Computer etc	Campus supervisor will look after all Civil and electrical maintenance activity in the institution. System administrator will look after Computer maintenance
Discussion on feedback system from students.	Online feedback system introduced to understand and analyse the feedback given by students.
Discussion on AQAR preparation	All HODs were requested to update the activities of the department to IQAC through department IQAC member.
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Governing Council	25-Jul-2018

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**Yes**
Date of Visit	**13-Apr-2018**

16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2018**
Date of Submission	**09-Feb-2018**

17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**The comprehensive MIS/ERP software used in NIET is iCampuz. It is an advanced web based college management system offering high flexibility with abundant features to collaboratively create quality education system. Its main**

	feature is to provide seamless networked campus and a paperless administration. iCampuz is the best solution for the centralized management of academic data and this application platform provides a right communication link between faculty, parents and students so that a good feedback system and a knowledge rich environment can be created to improve the education system. It also contains an exam management system that provides accessibility of result, statistics and customized report generation. iCampuz provides a framework with which all members of an institution can access, view and manage their account. The software provides a systematic approach to control, describe, store, retrieve and share information contained. Highlights The main highlights of are • Online end to end campus management solution • MIS based web application software • Brings Parents, Students, Teachers and Management on common interactive platform • Reduce admin cost and paper work • Data conversion into various formats • Bulk Data uploading facility • Multiple Campus Management • Cost Effective Solution for total management • Hundreds of Automated and Quick report generation. • User friendly interface requiring minimal IT skills • Centrally stored information with Zero redundancy • Real time monitoring of Student's Academic Performance • Students Fee / Payment monitoring and management • Uptodate monitoring of Faculty performance, Syllabus coverage • Faculty performance rating by students • Certificates Collections and Management • Certificate and profile images uploading facility • Single click mail / messaging for Students, Parents, Faculty and Staff • Hundreds of Statistics for performance Assessment for the Management • Preset and Authenticated Access to data • 24/7 accessibility from across the globe

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

Nehru Institute of Engineering and Technology, Coimbatore is affiliated to Anna University, Chennai. However, the implementation of curriculum is taken scrupulously by the institution as per the academic schedule. Academic Calendar Institution calendar for the academic semester prepared based on the university calendar to ensure proper teaching-learning process, schedule of the internal test, university examinations etc., Department calendar is prepared in aligned with the Institution calendar to include department activities like seminars, workshops, guest lectures, symposiums, conferences, various club activities, industrial visit/training, value-added course, certification course etc. The excellence of Classroom teaching with Course Plan Meetings are held in each department to discuss the distribution of courses for upcoming academic sessions during the end of the semester. Based on individual faculty members experience and expertise, the course is assigned to them by the head of the department. The individual faculty member prepares a course plan. It gives an insight into how the lecture class will be handled throughout the semester before commencing of each semester. The excellence of the classroom teaching depends on content delivery, interaction, discussion, examples, applications and usage of modern ICT tools. The role of the teachers is significant not only with contents but also with motivational contributions of students through paper presentation, projects, group assignments, visit to various industries for better exposure. Instructional methods and pedagogical initiatives Institution practices outcome-based education while planning and delivering the content. Various Innovative Teaching & Learning methodologies are adopted by the faculty members to create the best learning environment for students. Teaching and Learning methodologies include traditional (Chalk and talk) and technology-enabled methods. Video lecturing is provided by faculty members to explain the real-world problems with industrial illustrations, design issues etc. Faculty members prepare the e-materials for both theory and laboratory manual for the benefit of students by posting in Content Management System available in the college website. Faculty demonstrates static & working models, simulations, animations and implemented projects in the department. Invited expert lectures (industrialists/academicians) are arranged to deliver the content beyond syllabus for knowledge enhancement and value-added courses have been organized for bridging the gap between Industry and Academia. Tutorials/ E-learning classes are practised for participative learning. Assignments are given to improve the knowledge beyond the syllabus. Students are motivated for doing research workthrough publications and encouraged to do project in Newgen IEDC and NGI-TBI. Monitoring system for curricular delivery HODs and IQAC coordinators are regularly monitoring the delivery of curriculum. Academic feedback arecollected from the students through online in a regular interval. The teaching faculty are entrusted with the task of mentoring students on academic and non-academic issues. Class committee meeting is conducted where student representatives can express aboutgrievances. The outcome-based education focuses on effective curriculum delivery to meet. The internal assessmenttests are conducted to assess the attainments of the course outcomes. The academic audit is done by IQAC to ensure the quality of delivery of curriculum.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entreprene urship	Skill Development
Certified course on Industrial Engineering and	Nil	04/02/2019	6	Entrepreneurship	Technical

Course					
Management					
Certified Course on Big data Analytics	Nil	09/10/2018	6	Employability	Technical
Certified Course on Real Time Operating Systems	Nil	08/10/2018	6	Employability	Technical
Computer Networking	Nil	21/01/2019	30	Employability	Technical
Course on Entrepreneur ship	Nil	21/01/2019	5	Entrepreneurship	Personality Development
Certificate Course on Industrial Automation: Flexible Man ufacturing Systems [FMS] with Robotics	Nil	21/01/2019	7	Employability	Technical
Certificate course on mobile app development	Nil	13/08/2018	5	Entrepreneurship	Software skills
Certificate course on mobile app development	Nil	24/09/2018	5	Entrepreneurship	Software skills
Certificate course on mobile app development	Nil	22/10/2018	5	Entrepreneurship	Software skills
Business Analytics	Nil	15/09/2018	5	Entrepreneurship	Technical
Insurance Management	Nil	16/02/2019	5	Entrepreneurship	Personality Development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	Nil	Nill
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	Aeronautical Engineering	02/07/2018
BE	Computer Science and Engineering	02/07/2018
BE	Electrical and Electronics Engineering	02/07/2018
BE	Electronics and Communication Engineering	02/07/2018
BE	Mechanical Engineering	02/07/2018
BE	Mechatronics Engineering	02/07/2018
ME	Communication Systems	02/07/2018
ME	Aeronautical Engineering	02/07/2018
ME	Embedded System Technologies	02/07/2018
MBA	Master of Business Administration	02/07/2018
MCA	Master of Computer Applications	02/07/2018

1.2.3 – Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	Nil	Nil

1.3 – Curriculum Enrichment

1.3.1 – Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
Glider Aerodynamics	04/07/2018	88
3D Product Management	03/09/2018	140
Additive Manufacturing	26/12/2018	36
Java programming and Application Development	24/12/2018	47
IoT Intel Training	24/09/2018	51
Cisco Training	10/01/2019	25
PLC Ladder Logic Programming and SCADA	24/12/2018	91
System Design using MSP430	09/07/2018	61
Virtual Instrumentation using LABVIEW	24/12/2018	49
IOT Training Programme	11/06/2018	54

1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	Aeronautical Engineering	156
BE	Computer Science and Engineering	84
BE	Electronics and Communication Engineering	152
BE	Electrical and Electronics Engineering	168
BE	Mechanical Engineering	151
BE	Mechatronics Engineering	286
MBA	Master of Business Administration	17
BE	Science and Humanities	227
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 – How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

Institution has effectively implemented a structured feedback system for analyzing the curriculum which is completely developed by the affiliated university. The feedback is collected once in a year from the Students, Teachers, Employers and Alumni though online Google form which is hosted in the college website. The analysis of feedback will be done by the concerned department and the feedback report will be communicated to the affiliated university at the end of academic year to intimate the lack of curriculum to meet the current industrial trends and to include the real world problems. The analyzed feedback report is discussed in the department advisory committee meeting and the action taken to redress the suggestions expressed in the meeting is recorded in the minutes of meeting. As per the suggestions made by the department advisory committee members, same will be implemented in the next academic year by conducting seminars, value added courses, certification courses and motivating the students to undergo Industrial visit and internship to correlate the syllabus and to bridge the curriculum gap.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year				
Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Aeronautical Engineering	120	102	89
BE	Computer Science and Engineering	60	58	54
BE	Electronics and Communication Engineering	90	30	22
BE	Electrical and Electronics Engineering	60	41	38
BE	Mechatronics Engineering	120	45	42
BE	Mechanical Engineering	120	80	72
MBA	Nill	60	10	10
ME	Aeronautical Engineering	24	6	6
ME	Communication Systems	36	3	3
ME	Embedded Systems	18	Nill	Nill
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2.2 – Catering to Student Diversity

2.2.1 – Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1569	19	141	9	13

2.3 – Teaching - Learning Process

2.3.1 – Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
163	163	19	56	5	9
View File of ICT Tools and resources					
View File of E-resources and techniques used					

2.3.2 – Students mentoring system available in the institution? Give details. (maximum 500 words)

Mentoring system: The Mentor-Mentee ratio is decided on the basis of the strength of the students and faculty in the department. It is expected 1:15. Every day mentors will meet the mentees to discuss the performance of the mentees allotted during the mentor hour. After every Internal Assessment Test the mentors will meet their mentees and discuss about their performance in the Internal Assessment Test. After the announcement of results from the University End Semester Examination, mentor will meet their mentees and discuss about their Grade received in the University End Semester Examination. Mentees record book: For every mentees, the mentor will maintain a separate a record book to follow up all the activities of the mentees. Mentor Hour: Mentors use to meet their mentees on daily basis during the mentor hour allocated for every class. During the mentor hour the students will perform the activities such as role play, newspaper reading, technical talk, Group discussion etc., which would help to improve the overall personality of the students. Mentor Mentee Meeting: Mentor – Mentee meeting will be conducted after every Internal Assessment Test. Mentors will carry out the performance analysis of their mentees in the Internal Assessment Test and mentors will also discuss about the co- curricular and extracurricular activities participation in the value-added course, online certificate, workshop, seminar, conference, sports and cultural.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1569	163	1:10

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
139	163	14	38	33

2.4.2 – Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	Dr. P. Maniarasan	Principal	Shri P.K. Das Memorial Best Faculty Award 2019 in Senior Categoryfrom Nehru Group of Institutions, Coimbatore
2019	Dr. P. T. VijayaRajakumar	Director	Shri P.K. Das Memorial Best Faculty Award 2019 in Senior Category from Nehru Group of Institutions, Coimbatore
2019	Mr. R. KousikKumaar	Assistant Professor	Top 50 Expert Faculties in the field of Electrical /Electronics/ Civil/ Mechanical Aeronautical Engineering Across India from uLektz Learning Solutions Private Limited

2019	Mr. Daison Stallon	Assistant Professor	Innovative researcher and Dedicated Teaching Profession award. Global Professional and Educationalist award and Honours Convocation 2018-2019
2019	Mr. K. Nagaraj	Assistant Professor	Innovative researcher and Dedicated Teaching Profession award. Global Professional and Educationalist award and Honours Convocation 2018-2019
2019	Dr.S.Shalini Packiam Kamala	Professor	United Nations Global Peace Award 2019
2019	Dr.K.Parimala Gandhi	Professor	Best Reviewer Award from Research Society of Chemical Science.
2018	Mr.N.Manikandhaprabu	Assistant Professor	CHHATRA VISHWAKARMA AWARDS 2018 –Presented an Innovative Solution/Prototype under the theme of "Empowerment of Villages Through Technologies" from AICTE-ECI-ISTE CHHATRA VISWAKARMA AWARDS-2018-NEW DELHI
2018	Mr.N.Manikandhaprabu	Assistant Professor	RESEARCHER AWARD" and "INVENTOR"AWARD from Allinov Research and Development Private Limited
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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
MBA	631	II/I, IV/II	04/04/2019	23/06/2019

MBA	631	III/II	29/10/2018	14/01/2019
MBA	631	I/I	22/12/2018	18/02/2019
ME	424, 403, 431	II/I, IV/II	04/04/2019	23/06/2019
ME	424, 403, 431	III/II	29/10/2018	14/01/2019
ME	424, 403, 431	I/I	22/12/2018	18/02/2019
BE	101, 104, 106, 105, 114, 115, 631, 421, 403, 431	II/I, IV/II, VI/III, VIII/IV	04/04/2019	23/06/2019
BE	101, 104, 106, 105, 114, 115, 631, 421, 403, 431	III/II, V/III, VII/IV	29/10/2018	14/01/2019
BE	101, 104, 106, 105, 114, 115, 631, 421, 403, 431	I/I	04/04/2019	18/02/2019

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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The Institute is affiliated to Anna University, Chennai which follows the Examination pattern of the university. Anna University guidelines are strictly adhered to with respect to evaluation process. There are three Internal tests conducted. The schedules of internal assessments are communicated to students and faculty in the beginning of the semester itself through institute academic calendar which is prepared based on the universityacademic calendar. The institute has reformed the Continuous Internal Assessment (CIA) system from faculty centric to student centric. The Institute Exam cell framed guidelines for conducting the CIA in line with calendar of the Affiliate University and the Institutions. As per the guidelines, the following reforms have been carried out effectively in conducting CIA: • Scheduling of Internal Examination, Seating arrangements, hall invigilators are listed in the notice board of respective allotted class to take up the examination. • Question paper set up will be prepared for the internal examination in the prescribed pattern based on Knowledge level using revised Bloom's taxonomy. • The question paper will be scrutinized by the Head of the Department (HoD) and ensure quality of the Question paper. • Monitoring the attendance of the students to take up Examination and Internal Assessment has to be carried out within the stipulated time. • After completion of the internal examination, the faculty evaluates the answer scripts of the students and it will be distributed to the students for any clarifications and performance of the individual candidate would be revealed. Internal marks are displayed on the notice board. •Review meeting will be conducted with result analysis and the remedy for further improvements are taken after discussion with faculty, HoD and Principal. • Upload of assessment marks in university web portal and subsequently communicated to parents. The evaluation for theory courses are assessed in direct mode (80) covering both internal and university examinations and indirect (20) covers survey. The evaluation for laboratory courses are assessed in the similar pattern as followed for theory courses. For each laboratory sessions, the student is assessed through viva questions and the performance in the observations work. The evaluation for project course are assessed by conducting periodical project reviews covering key parameters like problem formulations, understanding of the project, presentation skills, communication of ideas , technical knowledge , team work and project management. Major project consists

of 200 marks. The project review committee organizes review meetings to assess the progress of all the project batches.

2.5.3 – Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

As an affiliated college, the Anna University calendar is adhered to. In addition to this, an Academic College Calendar is prepared and printed which contains a list of all the interactive and innovative programmes to be conducted by the college, both at the faculty and student level. Detailed schedules with dates are given for CAT, Model Examination, University practical examination and Project presentation. Students prepare for these examinations accordingly. The academic calendar is uploaded in the college website. An IQAC Calendar is also prepared which enumerates the academic programmes and activities for quality enhancement to be held in the college. The new programmes are to enable quality enhancement that are offered during the course of the year, these are availed for the benefit of the staff and students. The IQAC evaluates such activities during their meetings. It monitors all parameters right from attendance, (75 attendance is mandatory as per university rules), assignments, practical's / labs, internal tests. List of defaulter students are notified fortnightly and informed to the parents. Teachers are supposed to maintain course files of their subjects. All assignments are given in stipulated period of time, so that students could plan and complete the assignments in time. Parent teacher meeting date is also mentioned in the academic calendar. Faculty conducts lectures and practical's as per the timetable in alignment with the academic calendar. Exams and result declaration are strictly followed on the dates mentioned in the academic calendar.

2.6 – Student Performance and Learning Outcomes

2.6.1 – Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

http://nehrucolleges.org/

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
431	ME	Embedded Systems	1	1	100
403	ME	Communication Systems	12	12	100
424	ME	Aeronautical Engineering	7	7	100
631	MBA	Master of Business Administration	8	8	100
115	BE	Mechatronics Engineering	61	37	60.65
114	BE	Mechanical Engineering	125	67	53.6
106	BE		63	25	39.68

		Electronics and Communication Engineering			
105	BE	Electrical and Electronics Engineering	42	17	40.47
104	BE	Computer science and Engineering	49	34	69.38
121	BE	Aeronautical Engineering	72	52	72.22

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2.7 – Student Satisfaction Survey

2.7.1 – Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

https://nehrucolleges.org/Students-Satisfactory-Survey.html

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

3.1.1 – Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	1825	Entrepreneurship Development Institute of India	287	60

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3.2 – Innovation Ecosystem

3.2.1 – Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Technology Based Entrepreneurship Development Program on Internet Of Things	Research Development Cell	12/11/2018
Entrepreneurship Development Program	Research Development Cell	22/11/2018
Entrepreneurship Awareness camp	Research Development Cell	03/01/2019
Entrepreneurship Awareness camp	Research Development Cell	08/01/2019
Entrepreneurship Awareness camp	Research Development Cell	27/02/2019
Entrepreneurship Awareness camp	Research Development Cell	04/03/2019

Entrepreneurship Awareness camp	Research Development Cell	07/03/2019
Entrepreneurship Awareness camp	Research Development Cell	13/03/2019
Entrepreneurship Awareness camp	Research Development Cell	20/03/2019
Entrepreneurship Awareness camp	Research Development Cell	25/03/2019
Entrepreneurship Awareness camp	Research Development Cell	28/03/2019
Entrepreneurship Awareness camp	Research Development Cell	03/04/2019
Entrepreneurship Awareness camp	Research Development Cell	08/04/2019
Hands on training in writing and publishing Research papers in International journals	Mechanical Engineering	22/12/2018
Various Funding Opportunities and Art of Writing Research Proposal	Science and Humanities	04/05/2019

3.2.2 – Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Chhatra Vishwakarma Award 2018	Nehru Institute of Engg. And Technology	All India Council for Technical Education	03/01/2019	Students Project
Rashtriya Vibhushan Samman Puraskar	Dr.P.Krishnak umar	Association For Rising And Talented Personalities	22/11/2019	National Economic Growth Social Development
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3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
Nil	Nill	Nill	Nil	Nill	Nill
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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	0	0

3.3.2 – Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	1

3.3.3 – Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Master of Business Administration(MBA)	1	11.79
National	0	Nill	0
International	Aeronautical Engineering	8	2.63
International	Computer Science and Engineering	15	2.07
International	Electrical and Electronics Engineering	2	5.7
International	Electronics and Communication Engineering	10	7.02
International	Mechanical Engineering	6	1.02
International	Mechatronics Engineering	4	4.15
International	Science and Humanities	6	6.00
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Computer Science and Engineering	3
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3.3.5 – Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Design and Analysis of Velocity Profile of air in Engine Inlet Manifold	Dr. P. Maniiarasan	International journal of Advance Research,Ideas Innovations in Technology	2018	0	Nehru Institute of Engineering and Technology	Nill
Experimental Study on Heat Treatment of SS420	Dr. P. Maniiarasan ,	International Journal of Nano science	2019	0	Nehru Institute of Engineering and Technology	Nill

and EN24 Using Nano Particulate Quenching Process						
Material Synthesis, Characterization Machining Performance of Stir Cast Beryllium copper alloy	Dr.R.Arravind, Dr. V.Sankar, Mr.D.Manikandan	Canadian Society for Mechanical Engineering	2018	0	Nehru Institute of Engineering and Technology	Nill
An Integrated Approach of RSM and MOGA for the prediction of Temperature rise and Surface Roughness in the End Milling of AL 6061-T6	Dr. B.R. Senthil Kumar	Transactions of Famena XLII-3	2018	10	Nehru Institute of Engineering and Technology	10
Study Performance Analysis of Vertical axis Wind Turbine Using Reduced Inclined Arm Angle Using Aerofoil Shape	Mr.V.Dinesh Babu, Mr.D.Manikandan	International Journal of Mechanical Production Engineering Research Development (IJMPERD)	2018	0	Nehru Institute of Engineering and Technology	Nill
Analysis of Automotive Composite propeller Shaft using Computer Aided Graphic	Dr.V.Sankar	TAGA Journal	2018	0	Nehru Institute of Engineering and Technology	Nill

Design						
Design and Analysis of Corrugated Wing Section	Ms.A.Senthamilselvi	SSRG International Journal of Mechanical Engineering (SSRG-IJME)	2019	0	Nehru Institute of Engineering and Technology	Nill
Aero Acoustic Comparative Study of Conventional and Shark-Fin Antenna	Mr. L. Oblisamy	Journal of Applied Science and Computations	2019	0	Nehru Institute of Engineering and Technology	Nill
Hybridized neural network and decision tree based classifier for prognostic decision making in breast cancers	Dr. A. Suresh	Soft Computing	2019	36	Nehru Institute of Engineering and Technology	29
A Novel Internet of Things Framework Integrated with Real Time Monitoring for Intelligent Healthcare Environment	Dr. A. Suresh	Journal of Medical Systems	2019	26	Nehru Institute of Engineering and Technology	21

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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
A Novel Internet of Things Framework Integrated	Dr. A. Suresh	Journal of Medical Systems	2019	18	21	Nehru Institute of Engineering and Technology

with Real Time Monitoring for Intelligent Healthcare Environment						
Hybridized neural network and decision tree based classifier for prognostic decision making in breast cancers	Dr. A. Suresh	Soft Computing	2019	18	29	Nehru Institute of Engineering and Technology
Aero Acoustic Comparative Study of Conventional and Shark-Fin Antenna	Mr. L. Oblisamy	Journal of Applied Science and Computations	2019	1	Nill	Nehru Institute of Engineering and Technology
Design and Analysis of Corrugated Wing Section	Ms.A.Senthamilselvi	SSRG International Journal of Mechanical Engineering (SSRG-IJME)	2019	Nill	Nill	Nehru Institute of Engineering and Technology
Design and Analysis of Velocity Profile of air in Engine Inlet Manifold	Dr. P. Maniarasan	International journal of Advance Research,Ideas Innovations in Technology	2018	5	Nill	Nehru Institute of Engineering and Technology
Experimental Study on Heat Treatment of SS420 and EN24 Using Nano Particulate	Dr. P. Maniiarasan	International Journal of Nano science	2019	5	Nill	Nehru Institute of Engineering and Technology

Quenching Process							
Analysis of Automotive Composite propeller Shaft using Computer Aided Graphic Design	Dr.V.Sankar	TAGA Journal	2018	4	Nill	Nehru Institute of Engineering and Technology
Study Performance Analysis of Vertical axis Wind Turbine Using Reduced Inclined Arm Angle Using Aerofoil Shape	Mr.V.Dinesh Babu	International Journal of Mechanical Production Engineering Research Development (IJMPERD)	2018	Nill	Nill	Nehru Institute of Engineering and Technology
An Integrated Approach of RSM and MOGA for the prediction of Temperature rise and Surface Roughness in the End Milling of AL 6061-T6	Dr. B.R. Senthil Kumar	Transactions of Famena XLII-3	2018	2	10	Nehru Institute of Engineering and Technology
Material Synthesis, Characterization Machining Performance of Stir Cast Beryllium copper alloy	Dr.V.Sankar	Canadian Society for Mechanical Engineering	2018	4	Nill	Nehru Institute of Engineering and Technology
			[View File](#)				

3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	9	28	Nill	Nill
Presented papers	11	42	Nill	Nill
Resource persons	Nill	1	Nill	Nill
No file uploaded.				

3.4 – Extension Activities

3.4.1 – Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
NSS Orientation Training Program (Faculty), Coimbatore	NSS,YRC,RRC, Rotract club	1	Nill
"3rd Installation Ceremony of Rotaract Club of NIET"	Rotract club	1	47
Dengue Awareness program 2019	NSS,YRC,RRC	3	65
World Water day and Right to vote awareness event	NSS,YRC,RRC	2	73
MahaSivarathiri in ISHA Yoga Centre	NSS,YRC/RRC	2	125
Plastic Awareness Programme	NSS,YRC/RRC	2	133
Indian Association of Blind Welfare	NSS,YRC/RRC	2	851
Independence Day 2018	NSS,YRC/RRC	2	91
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
National Economic Growth Social Development	Rashtriya Vibhushan Samman Puraskar	Association For Rising And Talented Personalities	Nill
Students Project	Chhatra Vishwakarma Award 2018	All India Council for Technical Education	4
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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Plastic Awareness Programme	NSS,YRC/RRC	Plastic Awareness Programme	2	133
Dengue Awareness program 2019	NSS,YRC/RRC	Dengue Awareness program 2019	3	65
World Water day and Right to vote awareness event	NSS,YRC/RRC	World Water day and Right to vote awareness event	2	73
NSS Orientation Training Program (Faculty), Coimbatore	NSS,YRC,RRC, Rotract club	NSS Orientation Training Program	1	Nill
"3rd Installation Ceremony of Rotaract Club of NIET"	Rotract club	3rd Installation Ceremony of Rotaract Club	1	47
MahaSivarathiri in ISHA Yoga Centre	NSS,YRC/RRC	MahaSivarathiri in ISHA Yoga Centre	1	125
Indian Association of Blind Welfare	NSS,YRC/RRC	Indian Association of Blind Welfare	2	851
Independence Day 2018	NSS,YRC/RRC	Independence Day 2018	2	91

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3.5 – Collaborations

3.5.1 – Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
Nil	Nill	Nill	Nill

No file uploaded.

3.5.2 – Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant

Embedded course	Inplant Training	Clarazon Technologies	06/06/2018	13/11/2018	P T Sarava nakumar
Web Designing	Inplant Training	Abile Technologies	01/06/2018	04/06/2018	1.R Gopala krishnan 2.P T saravanaku mar
Race course	Inplant Training	Bharath Sanchar Nigam Limited Ciombatore	25/06/2018	29/06/2018	Sangeetha M
Internship training	Inplant Training	Bharath Sanchar Nigam Limited Tuticorin	25/06/2018	29/06/2018	R Kanya
Fundamentals of Telecom	Inplant Training	Bharath Sanchar Nigam Limited Nagarcoil	11/06/2018	15/06/2018	1.Baby Shalini 2.Anusha V
Industrial exposure training	Inplant Training	Everest Industries ltd Podanur coimbatore	06/12/2019	26/12/2019	1.Nesamani M 2.Gowdham E 3.Kishor Kumar Y
Internship training	Internship	Aerovantage Snehatheeram west yakkara palakkad	20/05/2018	30/06/2018	Aswin S
Trainee Tutor	Inplant Training	Focus Edumatics pvt ltd Sreenivasa complex trichy road coimbatore	21/11/2018	31/12/2018	Parthiban Surya J P
Internship training	Internship	Nandha Infotech ,9th street ,Gandhipuram coimbatore	20/05/2019	30/05/2019	1.Y Joseph Jenistan 2.N R Gowtham 3.S Chandrasekar
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 3.5.3 – MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Able Electronics Services	25/02/2019	Workshops, Seminars, Internship, RD Projects,	4

		Industrial Training, Inplant Training	
Sun Alloys	01/03/2019	Workshops, Seminars, Internship, RD Projects, Industrial Training, Inplant Training	4
Adhavan Alloys	01/03/2019	Workshops, Seminars, Internship, RD Projects, Industrial Training, Inplant Training	61
Centre Of Excellance in Manufacturing Sciences	23/07/2019	Workshops, Seminars, Internship, RD Projects, Industrial Training, Inplant Training	34
ARR Product India Pvt Ltd	11/02/2019	Workshops, Seminars, Internship, RD Projects, Industrial Training, Inplant Training	11
V C Enterprises	05/09/2018	Workshops, Seminars, Internship, RD Projects, Industrial Training, Inplant Training	45
Dassult Systems (via) Coimbatore CAD Solutions Pvt Ltd	04/08/2018	Training Programme	202

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

4.1.1 – Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
60	53.67

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added

Value of the equipment purchased during the year (rs. in lakhs)	Nill
Seminar halls with ICT facilities	Existing
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Video Centre	Nill
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Nill
Classrooms with Wi-Fi OR LAN	Existing
Others	Existing
Nill	Existing
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4.2 – Library as a Learning Resource

4.2.1 – Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Autolib software	Fully	5.0	2006

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Reference Books	26161	9324654	336	206058	26497	9530712
Reference Books	1591	595500	160	48000	1751	643500
e-Books	3367	13500	Nill	Nill	3367	13500
Journals	198	127864	Nill	Nill	198	127864
Digital Database	1	90000	Nill	Nill	1	90000
CD & Video	Nill	Nill	Nill	Nill	Nill	Nill
Library Automation	1	28655	Nill	Nill	1	28655
Weeding (hard & soft)	Nill	Nill	Nill	Nill	Nill	Nill
Others(specify)	Nill	Nill	180	37592	180	37592
e-Journals	3244	668318	Nill	Nill	3244	668318

4.2.3 – E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr R Kannan	e- learning materials	LMS	04/01/2019
Mr.S.DaisonStallon	e- learning materials	LMS	03/10/2019
Mr.D.Saravanakumar	e- learning materials	LMS	20/03/2019
Mr.A.Arul Kumar	e- learning materials	LMS	03/10/2019
Dr.S.Selvam	e- learning materials	LMS	17/09/2019
Mr.G.Krishnakumar	e- learning materials	LMS	17/09/2019
Dr.B.R.Senthilkumar	e- learning materials	LMS	10/05/2019
Mrs.Jothimani	e- learning materials	LMS	10/05/2019
Dr. V.M.M Thilak	e- learning materials	LMS	10/05/2019
Mr. T. Krishnaprasath	e- learning materials	LMS	03/10/2019

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	592	15	54	15	549	7	36	54	161
Added	0	0	0	0	0	0	0	0	0
Total	592	15	54	15	549	7	36	54	161

4.3.2 – Bandwidth available of internet connection in the Institution (Leased line)

54 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Teaching Learning Centre	http://nehrucolleges.org/center-teaching-learning.html

4.4 – Maintenance of Campus Infrastructure			

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
150	141.98	70	61.96

4.4.2 – Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

Maintenance of the physical Infrastructure and Utilization: The maintenance and upkeep of the infrastructure facilities are carried out the surveillance of the campus supervisor. The campus supervisor keeps the records of Infrastructure maintenance. Separate faculties are associated with campus supervisor to monitor the facility and to collect the complaints if any. Maintenance of Computer: A separate computer maintenance team Centralized Computer Centre (CCC) is responsible which handles the departmental requirements. For every computer Centre, a Technician is recruited and a faculty member is made in-charge of the Centre. An exclusive department (CCC) with IT manager, one assistant system admin and 03 hardware engineers is functioning in the institute to cater to the needs of day-to- day computer maintenance. Maintenance of Lab Equipment: All the departments take care of timely maintenance of the laboratory equipment. Most of the maintenance work is completed during semester break and a close monitoring of maintenance activities is a prime responsibility of heads of the departments with concerned Lab incharge /Technician. Upkeep and maintenance: All departments shall strictly follow the laid down procedures and guidelines of the institute with regard to cleanliness and preventive and corrective maintenance of infrastructure. This shall include the following. Electrical Maintenance: Includes all electrical facilities in academic blocks, hostels Generator, Air conditioners, etc, Building Maintenance: NIET maintains a list of buildings to be maintained. The frequency of inspection is decided in consultation with Principal or any other Authority. Library: The Librarian, ably assisted by a team of supporting staff, looks after the maintenance of the library books, journals, periodicals, furniture, electronic equipment, computers and software. He co-ordinates with the campus supervisor to ensure that maintenance is done regularly. Sports Complex: The Sports Complex comprising different playing fields, track field, Indoor Stadium, Gym and Pavilion is regularly cleaned and well maintained by support staff. Regular mopping of the Indoor Stadium is done. Medical facilities: A separate dispensary room with a medical officer and a nurse is available on campus. College has a dynamic network with local hospitals which provide ambulance facilities in case of emergency and if required the patients are admitted in those hospitals. Rain Water Harvesting: Rain Water Harvesting is implemented throughout the campus and one Rain water harvesting well has been installed. Water Tank: The main overhead water tanks are to be cleaned at least once in six months. Testing of water sample is to be carried out before and after cleaning. The test report is submitted to the Principal or concerned in charge for review. Water coolers provided for drinking purpose are also to be periodically maintained (once in Six Months).

http://nehrucolleges.org/NAAC/4.4.2.pdf

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Scholarships by Government	1104	5373710
Financial Support from Other Sources			
a) National	Nehru Vigyan and Sports excellence Scholarship	103	3445000
b)International	Nil	Nill	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Physical fitness Training	01/12/2018	62	NOBLE (Nehru Outbound for Leadership and Excellence)
Yoga Meditation	01/10/2018	240	ISHA Foundation
Artificial Intelligence and Machine Learning	01/08/2018	121	Nandha Info Tech
Restoring Dignity to the End User Digital Tool Experience	18/09/2018	140	NCPIR
3D Manufacturing and Printing Techniques	01/09/2018	140	NCPIR
Dassault system Companian Learning	23/01/2019	68	Harita tech serv limited coimbatore
Soft skill development	01/02/2019	36	NCPIR
Soft skill development	17/09/2018	55	NCPIR
Soft skill development	26/06/2018	63	NCPIR
Aptitude and communication	03/01/2019	44	NCPIR
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed

| 2018 | Guidance and Career counselling | 204 | 590 | 8 | 185 |

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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
Nill	Nill	Nill

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Ultramain Softech Pvt Ltd	20	2	Shriram value services	5	5
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	1	BE	AERONAUTICAL ENGINEERING	Riga Technical University	M.Sc – Aviation Transport
2018	1	BE	AERONAUTICAL ENGINEERING	Nehru Institute of Engineering and Technology	M.E. AERONAUTICAL ENGG
2018	1	BE	AERONAUTICAL ENGINEERING	Nehru Institute of Engineering and Technology	M.E. AERONAUTICAL ENGG
2018	1	BE	AERONAUTICAL ENGINEERING	Nehru Institute of Engineering and Technology	M.E. AERONAUTICAL ENGG
2018	1	BE	AERONAUTICAL ENGINEERING	Kingston Univeristy	M.Sc- Aerospace Engineering
2018	1	BE	AERONAUTICAL ENGINEERING	Symbiosis Centre for Distance Learning	PGDSCM

2018	1	BE	COMPUTER SCIENCE AND ENGINEERING	Builders Engineering College, Tirupur	MBA
2018	1	BE	COMPUTER SCIENCE AND ENGINEERING	Narayana Guru College of Engineering	MBA
2018	1	BE	ELECTRONICS AND COMMUNICATION ENGINEERING	AMRITA SCHOOL OF BUSINESS, COIMBATORE	MBA
2018	1	BE	ELECTRONICS AND COMMUNICATION ENGINEERING	COLLEGE OF ENGINEERING, THALASSERY	M.E(SIGNAL PROCESSING)

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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
Any Other	2
Any Other	1
Any Other	1

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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
SPORTS	STATE	1
SPORTS	STATE	1
SPORTS	STATE	1
CULTURALS	STATE	3
CULTURALS	STATE	3
CULTURALS	STATE	2
CULTURALS	STATE	1
CULTURALS	STATE	2
CULTURALS	STATE	2
CULTURALS	STATE	1

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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student

2018	SNR Chinnasamy memorial Trophy	National	1	Nill	72141611 4002	Vignesh Rahul P Abilash s Mohamed ridhwan n k Mithin s Anish T
2018	KPR Trophy 2018	National	1	Nill	72141611 4002	Sundar das S Abilash S Anish T Mohammed Ridvan N K Akash g Mithin S Shiju J Mithin S
2018	Anna University Zonal tournament Foot ball team winner	National	1	Nill	72141810 5018	Rahul R Aravazhi R M Shijin M Akash G Resvan R Mohamed Ridvan R K Shiju J Sundar Das S Benil J Arun Benanstan Y Anish T Ligin R Abilash S Mithin Rayid Rahman Vignesh
2018	Anna University Zonal atheletic meet 1500mt first prize	National	1	Nill	72141711 4021	Anandh. P
2018	Anna University Zonal atheletic meet 5000 mt first prize	National	1	Nill	72141711 4021	Anandh. P
2018	Anna University Zonal atheletic meet	National	1	Nill	72141711 4021	Dhanush M

	Triple jump thrid prize					
2018	Anna University Zonal atheletic meet high jump thrid prize	National	1	Nill	72141710 5033	Selina P
2018	Zonal atheletic meet 100m hurdles second	National	1	Nill	72141710 5033	Selina P
2018	Zonal atheletic meet 100 m second	National	1	Nill	72141710 5025	Chitra G
2018	Zonal atheletic meet Triple jump Third	National	1	Nill	72141710 5025	Chitra G
[View File](#)						

5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

Nehru Institute of Engineering Technology comprises of various Committees for the welfare of students and providing opportunities to take part in the Administration as well as Departmental activities, and Co- Curricular activities. Class Representatives In every Academic year, a student is selected on the basis of merit and interest to be the class representative. The role of the class representative is to bridge the gap between the class students and the Class Advisor. Communication is made regarding the general necessities of the students as one-point contact. Class Committee For every class, the academic progress of each class is evaluated. Class representatives from each class along with the faculties handling the subjects form this committee. A faculty not handling the subject in the class as the Chairman. Department Associations In every Academic year, students participate in the decision-making process of selecting activities to be organized by the departments like seminar, workshop, guest lectures, value added courses etc. through meetings. Each department has association consisting of students and a faculty member as advisor to discuss and decide the meetings to be conducted. Student Council The college has a Student council. Student toppers from various departments will constitute the Student Council. The Student council involves in the following activities:Organizing College day and Avatar (National level intercollegiate meet) functions under theguidance of the convener and the faculty members. Publishing College Magazine 'VISTA' during College Day Celebrations annually.Dissemination of college / Department POs, PSOs, PEOs for the students.Organizing the Celebrations of festivals namely Independence Day and Republic Day, Onam andPongal effectively with the support of student council advisor and the coordinators.Mediating between management and students to solve the general issues. Extending support to principal office / department.Giving feedback to the Principal for the smooth functioning of the events like college day,Graduation day, Symposiums, etc.,Students have representations in Transport

committee for the smooth operation of the TransportDepartment of the college which has a fleet of 40 buses operating over a maximum radius of 70 kmevery day in both Tamilnadu and Kerala. College follows open system to all the activities and student members are nominated and freely suggest their grievances through grievance and redressal cell.Women students have representation in women empowerment cell and welfare committee of thecollege. Student members are taking part in various bodies like Library advisory committee (One student from every department), Grievance and Redressal Committee (one representative from each class), Academic Advisory Committee (Department level, One student from Each Class or Section), Transport Committee (Student In-charges in all the buses for both Tamilnadu and Kerala routes) , Curriculum and Planning Committee (Student Representative), Elective Chosen (Class Students), Review Meeting (10-15 Student Members per class), Class Committee meeting (10-15 Student Members per Year). Student Feedbacks The students give feedbacks about the department activities and for development of college welfare to management through the Advisor of NGI and the Principal

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

NIET alumni connect The college has an alumni association in the name of alumni connect whose meeting is mostly organised in the college campus itself every year or sometimes off campus at hotel of major cities. The alumni meetings are discussing steps to be taken for the development of the college with regard to industry institution collaboration and job opportunities. These suggestions are conveyed to the college council through the Principal and necessary steps will be taken. The Alumni Association seeks to unite graduates with each other and current students through mentoring and career development programs, events and reunions and a range of volunteer opportunities. The alumni connect is conducted once in a year, where the alumni from different batches are discussing their views and give suggestions for the betterment of the junior students The alumni connect is organised by the alumni committee of the college and the alumni are honored. These meetings are mutually beneficial for the Institution and the alumni. This offers chances for the alumni to meet their friends and act as a bridge for the faculty to share their experience, knowledge and suggestions. The alumni are invited o the institution to deliver talks on career guidance and seminars for the students in their areas of expertise and motivate the young minds. Successful entrepreneurs from are invited to talk about their success stories with the budding engineers. The alumni also help the students of the college to get opportunities to undergo industrial visit or internship in their organizations or to assist them to get it through their references. They also help the students for getting placement in their organization and alumni connect meetings pave the way for the successful placements of the students. Students are a part of the institution after their graduation also. Keeping this in mind only Alumni Association is formed and it keeps track of past students' career growth. They are given link in the institution website to give constructive feedback and suggestions at any time from anywhere Moreover, the members of Alumni association often visit the institute and share their knowledge and experience with our staff and students. Knowledge and skill development programmes are conducted based on their suggestions given by them.

5.4.2 – No. of enrolled Alumni:

472

5.4.3 – Alumni contribution during the year (in Rupees) :

500000

5.4.4 – Meetings/activities organized by Alumni Association :

"Alumni connect" is being organizedonce in a year. The alumni connect is conducted once in a year, where the alumni from different batches are discussing their views and give suggestions for the betterment of the junior students. The alumni connect is organised by the alumni committee of the college and the alumni are honored. These meetings are mutually beneficial for the Institution and the alumni. This offers chances for the alumni to meet their friends and act as a bridge for the faculty to share their experience, knowledge and suggestions. The alumni are invited o the institution to deliver talks on career guidance and seminars for the students in their areas of expertise and motivate the young minds. Successful entrepreneurs from are invited to talk about their success stories with the budding engineers.

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

6.1.1 – Mention two practices of decentralization and participative management during the last year (maximum 500 words)

The institution defines the decentralization in working through delegation of authority. Personnel at different level implement the decisions. Top-level hierarchy is responsible for controlling and monitoring the entire institution. It includes the COE Secretary, Governing council and Principal. The Governing Council facilitates the COE Secretary with regard to broad guidelines, policies and framework for the improvement of quality education in the institution. The faculty members are involved in various activities by the management through the Principal related to the development of the institution. The academic and administrative activities of the Institute are headed by Principal and also he forms various committees and assigns responsibilities. It includes Head of the Departments (HOD), Librarian, Physical Education Director who are executing institutional plans. It includes faculty, non-teaching staff and others help the middle level managers by coordinating the activities delegated to them. In all academic and non-academic activities, institution is following participative management for implementation of all its decisions. In accordance with the provisions of AICTE norms, Anna University rules and regulations the service rules are formulated by the governing body of the Institution. These service rules are implemented and the service rule book called "Service Book" which comprises of the following items under which the related rules are clearly mentioned. Duties and Responsibilities of Academic Staff are defined. The Professor, Associate Professor, Assistant Professor, Training Placement Officer, Librarian. The functions and responsibilities of the Governing Body and other committees are defined. The responsibilities of the Principal functions and Head of the Department, the teaching and non-teaching staff are defined. The terms and conditions of service of permanent employee rules of conduct for the employees of the Institute Classification, Leave Rules, Travelling Allowance Rules. The Rules regarding the deputation of faculty members are also well defined. The service rules book is available with the head of departments and Central Library and the information is kept well known to all the employees of the Institution. The objectives of the practice are to facilitate quick decision making related to academic and administrative activities at all levels, to involve the members of the faculty and administration at different levels to bring in participation responsibilities with accountability and ownership to ensure transparency in the administrative activities in timely follow up actions. Participative Management Implementation of E-Learning Resources as a participative management is implemented through the student council members who requested the council head that they need all

the class notes, review questions, university questions, and lecture videos in the form of soft copy. The student council head requested Principal and subsequently a meeting was arranged and the need of E-Learning was discussed. In that meeting a decision was taken on creation of an E-Learning system (ELS) for the Institution. All committees are working effectively for the regular functioning of the institute. This administrative mechanism imparts participative management functions.

6.1.2 – Does the institution have a Management Information System (MIS)?

Yes

6.2 – Strategy Development and Deployment

6.2.1 – Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
Admission of Students	The Admission Committee of our College, comprising our Principal and senior faculty members those who work in dedicated manner to ensure fair and hassle-free admission of students through TNEA counselling. With the entire admission procedure being online, the students feel convenient to monitor the process themselves. The college has been carrying out the students admission procedure with the use of ICampuz software, where the online support for the same is provided by the institutions website in charge.
Industry Interaction / Collaboration	Our College is get connected in various corporate companies by way of enhancing placement opportunities for its student community as well as fine-tuning soft skills through placement training. The academic collaborations with industrial entities has enabled the prospective job opportunities for the students.
Human Resource Management	Human Resource Management In centres of higher education, human resource management is a constantly evolving area of concern, but one of its most important aspects is the emphasis on providing faculty members with scope to grow and develop within their working space. The management always encouraged its faculty members to grow in the workplace, and this is achieved by encouraging new staff members to avail themselves of opportunities to attend professional orientation programmes. In-service teachers are also encouraged to attend the refresher courses, FDPs and apply for major/minor research projects and their progress and achievements are duly put on record.

Library, ICT and Physical Infrastructure / Instrumentation	Library, ICT and Physical Infrastructure / Instrumentation Library The Central Library PK DASS Knowledge Fort is functioning in a separate building. It is the repository of all the text book and reference books, journals, magazines for students and faculty members, It is utilized as an important component of dissemination of knowledge by students and faculty members. The college campus is enabled with free high speed internet and Wi-Fi facilities. The presence of ICT has facilitated teaching-learning and information transfer in classrooms. The college has smart classrooms, ICT-enabled classroom, WiFi and LAN facilities. There are ICT - enabled seminar halls as well. Apart from having a WIFI-enabled campus, we also have an academic library with electronic support, scanners, PC and laptops.
Research and Development	Our college ensures the quality of academic research which is reflected in the quality of classroom teaching. The academic research is helpful in addressing the industrial problems at large. Our college management encourages faculty members to present and publish research Papers, books and patents. Faculty members are supported to do their Ph.D. coursework. The college management supports the faculty members with assistance to organise seminars, Conferences and Faculty Development Programs.
Examination and Evaluation	The different departments of our college are required to equip our students according to the University-prescribed syllabus and curriculum and examinations held according to the university-planned schedule. The pattern, type of questions, tutorial/practical sessions and assignments set by the college are in accordance with the norms prescribed by the university. The Choice Based Credit System has brought about radical changes in the syllabus as well as in the System of evaluation of the students. From the beginning of each semester, students have been informed to be aware of these changes, which now include evaluation on the basis of class and laboratory attendance, internal tests and assignments before

	the main examinations conducted by the University.
Teaching and Learning	Our college focuses on effective curriculum delivery through a well-planned and documented approach. The teaching and learning plans are based on an academic calendar. Using multimedia teaching aids and ICT complements the teaching-learning process. Special lectures and value added courses are organised, featuring faculty members and other academic and industrial experts from different institutions.
Curriculum Development	Curriculum development The college does not have the freedom to develop its own curriculum, since it is under Anna University, Chennai, whose centrally imposed syllabus is required to be followed by all affiliated colleges. But individual teachers of the college are, directly or indirectly part of the curriculum development process.

6.2.2 – Implementation of e-governance in areas of operations:

E-governace area	Details
Planning and Development	The vision and mission statement of the institution is uploaded on the institutional website. Further development plans and strategies are also to be displayed on the website as and when required. For all Governing Council meetings, the minutes of meeting and resolutions by circulation are sent by email to GC members and also made available as hard copies for file management.
Administration	The MIS software provides the college authorities to exercise full supervision over all the functional/ service modules in the office. The Principal is in touch with teaching and non-teaching staff members, as well as with GC members, through email. Notices and other kinds of administrative information are uploaded in the college website. The college office is fully automated and equipped with 24/7 internet connectivity. A new biometric system to record attendance has been installed for the use of staff members. It is used to maintain to effectively monitor personal details, login details, staff attendance, leave structure and payroll of faculty. The

	icampuz tool emphasizes to maintain staff leaves accurately and ensures accuracy in payroll calculation and reduces time for preparing worksheets. The staff can apply for leave and permission well in advance in this app even from home with proper alternate arrangements. The form is automatically sent to the respective Heads of departments for approval and finally the Principal sanctions the leave. It streamlines complete staff management process for efficient institutional working regarding attendance, salary and events.
Finance and Accounts	Tally software is being used in connection with the salaries of substantive staff members. The institution maintains accounts using the Tally software. A well-defined internal audit mechanism is followed to inspect the utilization of funds and the internal financial audit process is carried out regularly. The sanctioning process of the budget is well defined and the budgetary preparation is preceded with the process of auditing. The monthly budget is prepared by all the departments based on the approved budget which is communicated to all the concerned persons. The expenditures of the Institution is monitored and reviewed by conducting budget meeting. The monitoring of expenditure against budget is regularly undertaken annually, where all department in-charges and purchase manager submit their annual expenditure statement to the Principal and it is forwarded to the CEO Secretary.
Student Admission and Support	Our college has been carrying out the students admission procedure with the use of digital promotional activities. The online support for the same is effectively provided by the institutions website developer.
Examination	For the Anna University examinations, forms need to be filled online. Results are initially also displayed online. All faculty members who are examiners need to submit marks online on the university's password-protected portal. The faculty members who officiating as scrutineers use the university portal.

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee

of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Mr.L.Krishnakumar	National Level Faculty Development Program on Entrepreneurship Intiate and Ignite	Nill	3500
2018	Mr.S.Mani	National Level Faculty Development Program on Entrepreneurship Intiate and Ignite	Nill	3500
2018	Mr.P.Ravi Shankar	National Level Faculty Development Program on Entrepreneurship Intiate and Ignite	Nill	3500
2018	Mr.M.Sethuraman	National Level Faculty Development Program on Entrepreneurship Intiate and Ignite	Nill	3500
2019	Dr. P. Maniiarasan	Nill	IEEE	7560
2019	Dr. N. K. Sakthivel	Nill	IEEE	7560
2019	Dr. Subasree	Nill	IEEE	7560
2019	Mr.T. Krishnaprasath	Nill	IEEE	7560
2019	Ms.A. Reyana	Nill	IEEE	7560
2019	Dr. A. Suresh	Nill	IEEE	7560
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)

2018	Nill	Maintenance of Physics Laboratory Equipment's	17/08/2018	17/08/2018	Nill	5
2018	Nill	Communication skills development: Focus on using imperative sentence	25/06/2018	27/06/2018	Nill	31
2018	Nill	CNC Training Course	09/07/2018	12/07/2018	Nill	7
2019	Industrial Control and Automation	Nill	15/03/2019	Nill	25	Nill
2018	Digital Circuit and Implementation using Vivado	Nill	10/12/2018	13/12/2018	11	Nill
2018	VLSI Design	Nill	06/06/2018	08/06/2018	13	Nill

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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Two days National workshop on Theory and Practice of X ray Diffraction Scanning Electron Microscope	1	30/05/2019	31/05/2019	2
FDP on Lean Manufacturing, 5S Kaizen and QC Tools	14	29/05/2019	30/05/2019	2
FDP in Entrepreneurship	2	08/05/2019	21/05/2019	10

FDP on Advances in Gas Dynamics and Propulsion	3	14/12/2018	15/12/2018	2

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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
163	163	29	29

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Group Insurance coverage for all the teaching employees. Bus fees concession at the rate of 50 concession for all employees. Providing sponsorship for teaching faculties for higher studies. Recommendation and permission given by the institute to the employees for loan facility. Fees concession is provided to the wards of employees., Day Care Facility.	Group Insurance coverage for all the non-teaching employees. Bus fees concession at the rate of 50 concession for all employees..Recommendation and permission given by the institute to the employees for loan facility. Fees concession is provided to the wards of employees.Recommendation and permission given by the institute to the employees for loan facility from the syndicate bank. Fees concession is provided to the wards of employees, Recommendation and permission given by the institute to the employees for loan facility from the syndicate bank. Fees concession is provided to the wards of employees., Day Care Facility.	financial support , Medical Insurance, Concession provided in fees,

6.4 – Financial Management and Resource Mobilization

6.4.1 – Institution conducts internal and external financial audits regularly (with in 100 words each)

A well-defined internal audit mechanism is followed to inspect the utilization of funds and the internalfinancial audit process is carried out regularly. The sanctioning process of the budget is well defined andthe budgetary preparation is preceded with the process of auditing.The monthly budget is prepared by all the departments based on the approved budget which iscommunicated to all the concerned persons. The expenditures of the Institution is monitored and reviewedby conducting budget meeting. The monitoring of expenditure against budget is regularly undertakenannually, where all department in-charges and purchase manager submit their annual expenditure statement to the Principal and

it is forwarded to the CEO Secretary. To control the expenses and increase the operating efficiency the auditing procedure is carried out. Theprincipal office, accounts department, administrative in-charges, department in charges maintain the properrecord for all budget expenses. After the verification of vouchers and bills, the accounts departmentmaintains the record of all the expenditures. The income and expenditure statement is audited andvalidated by a Charted Account at the end of every financial year thereby the statutory external auditingnorms are complied by the Institution. Internal Audit Every financial year, an internal audit process is regularly carried out by the audit section of the institutionheaded by finance officer. A report is submitted to the Principal by audit section after completeverification. This audit process is carried out by the professionally qualified and competent chartedaccounts. There are no major discrepancies identified by the expert auditors so far. For every accounttransaction, the account section of the institution properly maintains the cash books, ledgers. After carefulverification, each bill is passed. The reconciliation process is done at the end of every month and markedfor next month record entry. The preparation of financial statement about income and expenditure with fullscrutinization is done by charted account after receiving the bills from the internal audit section. The samemode of auditing process is maintained for the last five years successfully. The details of audited reportsare given in the web link for previous years. External Audit The financial reports are presented to Board of Governing council for the approval at the end of thefinancial year after the college accounts are audited by the Charted Accounts professional nominated bythe college management. For the purpose of permission seeking from AICTE for admitting the nextacademic year batch, a copy of the statement of audit is sent to AICTE.The audit reports are submitted to academic bodies at state government and central government level asand when required. Depending upon the previous year money allocation and expenditure trend, the budgetproposals are prepared before starting of upcoming financial year. The strength of students, revisions inpay scales to the staff and statutory requirement of infrastructure are also taken into consideration.

6.4.2 – Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
00	0	Nill
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6.4.3 – Total corpus fund generated

00

6.5 – Internal Quality Assurance System

6.5.1 – Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Nehru Institute of Technology	Yes	Internal Quality Assurance Cell
Administrative	Yes	Nehru College of Educational and Charitable Trust Office	Yes	Internal Quality Assurance Cell

6.5.2 – Activities and support from the Parent – Teacher Association (at least three)

(i) Feedback on Academics to meet the standard (ii) Vital role in Department Advisory Committee (iii) Support for students internships and field projects (iv) Placement support

6.5.3 – Development programmes for support staff (at least three)

(i) "Maintenance of Laboratory Equipment :Ultrasonic Interferometer" on 17.8.2018 (ii) "Basic Communication- sentences structure parts of speech" on 18.9.2018 (iii) "Maintenance of Laboratory Equipment :Spectrophotometer" on 13.10.2018

6.5.4 – Post Accreditation initiative(s) (mention at least three)

Curriculum Feedback System: Observation: Informal system of Feedback for curriculum development Action Taken: Online curriculum Feedback system was created The institution collects the feedback on curriculum aspects and courses from different stakeholders such as the students, alumni, Faculty and Employers. The Governing Council Department Advisory Committee motivates and analyze the academic excellence of students, faculty and utilization of infrastructure and requirements for quality enrichment. The observation made by the NAAC peer team, "An informal system of Feedback". During the first cycle of NAAC, feedback on curriculum was done through offline mode. This is changed to online mode and all stake holders give their feedback on curriculum in the following URL : http://nehrucolleges.org Teaching and Learning Process: Observation: Less Number of ICT Enabled Teaching-Learning Process Action Taken: All the class room are equipped with ICT enabled tools for effective Teaching-Learning Process ICTs can enhance the quality of education in several ways: by increasing learner motivation and engagement, by facilitating the acquisition of basic skills, and by enhancing teacher training. ICTs are also transformational tools which, when used appropriately, can promote the shift to a learner-centered environment. To facilitate better teaching-learning process many of the classrooms are equipped with smart boards and LCD projectors. The campus is Wi-Fi enabled so that teachers can use online resources for teaching. All the class room are equipped with ICT enabled tools for effective Teaching-Learning Process. Student Performance and Learning Outcomes Observation: CO-PO Mapping are not uniform for all programmes Action Taken: Conducted FDP and trained all faculty members on OBE and implemented uniform CO-PO Mapping Outcome-Based Education (OBE) is a student-centric teaching and learning methodology in which the course delivery, assessment are planned to achieve stated objectives and outcomes. It focuses on measuring student performance i.e. outcomes at different levels. IQAC cconducted FDP and trained all faculty members on OBE and implemented uniform CO-PO Mapping for all departments. Research Publication and Patents Observation: Improve Research Publication (Journals and Patents) Action Taken: More quality research papers and patents published NIET has promoted meaningful Research and Development activities with a vision and mission to pursue and promote Research in Frontier Technologies. In order to strengthen and expand the research activities in the institute, RD cell was established and is acting as the nodal centre for all Research related activities. More quality research papers and patents published by faculty members. The management has provided an impetus to research activities of faculty members by extending financial assistance for research projects, paper presentations at international conferences and book publications.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	Yes
c)ISO certification	Yes

d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	2 days workshop on technology based teaching and learning	06/06/2018	06/06/2018	07/06/2018	108
2019	3 days FDP on Applications of tools and techniques in research Methodology	18/02/2019	18/02/2019	20/02/2019	108
2019	1 day workshop on Blooms Taxonomy- Learning Objective Workshop	17/05/2019	17/05/2019	17/05/2019	108

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

7.1.1 – Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
International Women's Day-2018	08/03/2018	08/03/2018	150	Nill
Women's Emancipation In The Present Indian Society	13/02/2019	13/02/2019	140	Nill

7.1.2 – Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources
Nil

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	No	Nill
Ramp/Rails	Yes	1

Braille Software/facilities	Yes	Nill
Rest Rooms	Yes	1
Scribes for examination	Yes	1
Special skill development for differently abled students	Yes	1
Any other similar facility	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	Nill	01/08/2018	1	Artificial Intelligence and Machine Learning	Basic knowledge on Artificial Intelligence	142
2018	1	Nill	18/09/2018	1	Data Protection in Hybrid Cloud	Protection of datas	142

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
GE6075 - Professional Ethics in Engineering [R2013] -BE	07/05/2019	This book has been framed for complete understanding of the human values and their role in life, work, business and leadership. It offers an explanation for the spectrum of human behaviour, from a self-focused, survivalist mindset that has scant regard for ethics, through compliance with laws and conventions, and then to the aspiration to live a higher ethical and spiritual life. The book offers a practical guide on how to develop a more ethical way of working

		and being, both personally and in organisations. Rather than being an additional burden on people or organisations, ethics and values are a liberating force, enabling higher performance, better quality relationships and an expanded sense of purpose and identity.
GE8291 - Environmental Science and Engineering [R 2017-BE]	07/01/2019	Designed as a text for all undergraduate students of engineering for their core course in Environmental Science and Engineering and for elective courses in environmental health engineering, pollution and control engineering for the students of civil engineering, this comprehensive text provides an in-depth analysis of the fundamental concepts. It also introduces the reader to different niche areas of environmental science and engineering. The book covers a wide array of topics, such as natural resources, disaster management, biodiversity, and various forms of pollution, viz. water pollution, air pollution, soil pollution, noise pollution, thermal pollution, and marine pollution, as well as environmental impact assessment and environmental protection.
GE8076 - Professional Ethics in Engineering [R 2017-BE]	07/01/2019	This book incorporates how an engineer can incorporate the professional ethics into their practices to make engineering a success. The key discussions included in this book are How should engineers embrace an understanding

		of responsibility and social values into their technological innovations, Do engineers need to discern risks, human emotions and social demands while engaging in product design.

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence Day 2018	15/08/2018	15/08/2018	91
Indian Association of Blind Welfare	28/09/2018	28/09/2018	851
Plastic Awareness Programme	29/12/2018	29/12/2018	133
Republic Day 2019	26/01/2019	26/01/2019	70
Maha Sivarathiri in ISHA Yoga Centre	04/03/2019	05/03/2019	125
World Water day and Right to vote awareness event	22/03/2019	22/03/2019	73
Yoga session	22/09/2018	22/09/2018	230
Yoga session	03/10/2018	03/10/2018	240
Seminar on sense of responsibility	25/09/2018	25/09/2018	180
National level seminar on " Engineering ethics and Human values"	14/12/2018	14/12/2018	30
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

• Alternate sources of energy and energy conservation measures like Solar Panel, solar street lights, LED bulbs, Biogas plant has been installed. • The waste management of solid, liquid and E- waste has been followed. • Green campus initiatives like restriction of automobiles to reduce carbon footprints, Usage of bicycles, Ban of plastics followed inside the campus. • Quality audits like Green audit and Energy audit on Environment and Energy is undertaken. • Construction of ecofriendly buildings. • Many activities like Tree plantation, programs for celebrating world water day, environment day has been organised by Nature club, NSS, YRC/RRC clubs of institution.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

BEST PRACTICE – 1 Student Council The goal for the formation of Student Council is to achieve our Vision, Mission and leadership quality by involving student representatives in all our endeavors. The aim of the Student Council is to inculcate Life and Career Skills along with leadership quality. Each student council member plays a specific role in the council, the members of the group

work together to plan activities, confront resolve problems, build leadership skills through the implementation of beneficial activities during the Institute Academic Year. These skills include Flexibility and Adaptability to change, possessing initiative, managing time and goals, being able to work democratically and to be responsible citizens. The council members are selected in the beginning of the academic year. The students are nominated by the departments on eligibility criteria like, academic performance, discipline, regularity and other general merits. The Student council was started during the year 2011-12 and continues till date effectively. This was constituted to make the NIET administrative and feedback system more participatory and Student Centric. The aim is to create challenges to fast learners and creamy layer of the students, in terms of overall performance. Later this proved to be a very unique initiative to mould the students into excellent professionals with high degree of positive attitude and optimism to achieve their goals. • Ability to express opinion also to listen, show respect for the views of others • Ability to work well with others be a team player • Ability to work with learn from others • Ability to be a leader and to assume responsibility • Dedication desire to make our institute a better place • Give voice that enables to participate actively in Academics as well sports and other related activities • Encourage to exhibit activism, volunteerism and exploration in the college environment • Develop the time managing planning skills to build self-confidence improve Academic performance • Need to know how to translate an idea into action • Must work as a team to identify and anticipate each task required to implement activities • Divide the task among each member of the group made sure that each person knows exactly, what he or she needs to accomplish The percentage of students' involvement in curricular and co-curricular activities increased with the motivation from peer group. BEST PRACTICE – 2 Nehru Corporate Placements and Industry Relations To create synergy and co-operation between education, training, employment and community sectors, the institute has a dedicated Nehru Corporate Placement and Industry Relations (NCPIR) cell under the supervision of a Training Head and Placement Director with a dynamic team of 11 faculty members. This cell is assisted by faculty coordinators and student representatives from all the departments. Nehru corporate placement and industry relations (NCPIR) have a team of professionals drawn from various industry backgrounds. This team works on building relationships with the industries to enable multiple level engagements such as placement training, alliances, projects etc., in bringing top brands in manufacturing, information technology, automobiles, banking, financial services, insurance, retail, media ITES etc.,. NCPIR is headed by the Managing trustee and is guided by the CEO Secretary. It has an executive director, head (training and development), manager (industry relations), placement officers, staff coordinators and student placement committee as its team members. The primary responsibility of NCPIR is to provide guidance and all the assistance for the students in order to achieve their career goals. The NCPIR takes right steps in identifying the demands of the current industry and prepares our students towards this need. Job oriented courses and special training programmes are consistently conducted. NCPIR also welcomes guest lectures, visiting faculty members, source employment opportunities, facilitate tie ups, conduct skill assessments, and deliver training to imbibe required talent among students so as to enable experience for their chosen career and persistent growth. Adequate emphasis is given for soft skill development complementing the regular academic programmes. Aptitude tests and group discussions are conducted at regular intervals to enable the students to improve their performance in competitive exams. NCPIR continuously interacts with the corporate and students for their final placements. Over 150 reputed national and multinational companies visit NGI to recruit the students year after year. NCPIR initiates and conducts Faculty Development Programme and Executive Development Programme. It provides incubation center for necessary infrastructure and knowledge facility for

budding entrepreneurs. It also initiates corporate consultancy with industry and academics. NCPIR also has a full fledged software development facility within the department.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
https://www.nehrucolleges.org/

7.3 – Institutional Distinctiveness

7.3.1 – Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

Knowledge coupled with creativity and innovation is the most powerful tool that our institution creates and contributes to society and mould the students and define higher education's purpose. The Nehru Institute of Engineering and Technology is using Content Management System (CMS) software whose main objective is to create and manage digital content. This software can be accessed from mobile phones, tablets as well as from the personal computers. The students can use it like virtual class, where they can read and download lecture notes, question banks and reference books. Using this software student can also see placement, alumni details and watch final year project videos, lecture videos, NPTEL videos, can also read books from National Digital Library and also view papers of science Direct ELSEVIER. This software was implemented in short time with the motivation of the Principal who formed the CMS team and allotted the responsibilities to the coordinators. It was a team effort of Nehru Institute of Engineering and Technology. Workforce Productivity: This software can help students to view their academic information very quickly from anywhere in the globe. There by it increases staffs ability to perform their jobs faster and more accurately. It also helps to improve the content delivery to the students. The college can make more information available to students on a pull basis (i.e., students can link to relevant information at a time which suits them). Students can view information and data via web-browser and android app rather than maintaining physical documents. Promote Common Corporate Culture: Every student is viewing the same information. Enhance Collaboration: Information is easily accessible by all authorized users thus teamwork is enabled. The Content Management System software organizes and facilitates collaborative creation of documents and other content, it also helps to control the explosive increase of content by using it effectively. The CMS software was developed by Mr. J. Noor Ahamed, MCA department of Nehru Institute of Engineering and Technology and it was introduced to the institution on 7th August 2015 as an intranet version, where students were able to access the e-content only within the college premises. At that point of time the content was limited to the pdf books and accessing the facility had certain limitations.

Provide the weblink of the institution
https://nietcms.nehrucolleges.com/

8.Future Plans of Actions for Next Academic Year

FUTURE ACTIVITIES 2018-2019 (i) To initiate NBA process for ECE,MCT and MBA departments (ii) To participate in various Institution ranking schemes (iii) To strengthen International Collaboration (iv) To increase the number of NGI Technological Business Incubator (TBI) projects (v) To strengthen Alumni Association Academic Administrative Audit (AAA) and initiation of follow up action 1. Participation in NIRF 2. ISO Certification 3. NBA quality audit 4. To set-up Institute Innovation Council- MHRD