



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution	NARAYANA ENGINEERING COLLEGE
Name of the head of the Institution	G. Srinivasulu
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	0861-2313842
Mobile no.	9912355501
Registered Email	necnellore@necn.ac.in
Alternate Email	principal_n@necn.ac.in
Address	NARAYANA AVENUE, MUTHUKUKUR ROAD, A K NAGAR POST, NELLORE, A.P.
City/Town	Nellore
State/UT	Andhra Pradesh
Pincode	524004

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	NARESHBABU U
Phone no/Alternate Phone no.	08612313843
Mobile no.	9392901073
Registered Email	necnellore@necn.ac.in
Alternate Email	iqac@necn.ac.in

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://necn.ac.in/pdf/NECN-AQAR-2018-19.pdf
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://necn.ac.in/IQAC/AC-2019-20.pdf

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	A+	3.41	2019	14-Jun-2019	13-Jun-2024

6. Date of Establishment of IQAC	03-Dec-2015
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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
Workshop on Reinventing MOODLE in students	19-Jul-2019 2	362

One day Seminar on Quality Sustenance and Improvement in higher Educational Institutions	17-Aug-2019 1	82
One Day seminar on Road Map to Autonomy	19-Oct-2019 1	83
Workshop on AQAR Writing & Submission in New NAAC guidelines	07-Dec-2019 1	96
View File		

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
Nil	00	Nil	2020 00	0
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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 :

1

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)

1. Organized qualitative initiative programs on Autonomy, AQAR, MOODLE and quality in HEI 2. Maintaining quality culture and ensuring effective online classes for students. 3. Blended teaching and learning Practice approach during pandemic. 4. Continuous monitoring teaching and learning Practices 5. Encourage to publish research work in reputed UGC care/SCOPUS and WoS Journals. 6. Increasing placements by enforcing more soft skill programmes and personality development programmes for students

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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
Organizing quality culture programs	Organised four quality initiative programs on Autonomy, AQAR, MOODLE and quality in HEI
Planned to Host an International Conference	One international conference was organised on april
Stepping towards for Autonomous status	Our institution got Autonomous status from the next Academic year
Stepping towards for NBA Accreditation	Process was delayed due to covid
Submission of Annual Quality Assurance Report (AQAR)	Partially submitted and delayed because of COVID
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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing Body	20-Nov-2020

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?

Yes

Date of Visit

23-Feb-2020

16. Whether institutional data submitted to AISHE:

Yes

Year of Submission

2020

Date of Submission

28-Feb-2020

17. Does the Institution have Management Information System ?

Yes

If yes, give a brief descripton and a list of modules currently operational (maximum 500 words)

The institute has an effective Management Information System. The modules under operation are 1. STUDENT INFORMATION SYSTEM 2. LIBRARY INFORMATION SYSTEM 3. INVENTORY MANAGEMENT SYSTEM 4. FINANCE AND ACCOUNTS MANAGEMENT SYSTEM 5. EXAMINATION MANAGEMENT SYSTEM Modular

Details of the Student Information System are: 1. Student admission report 2. Student Information Module 3. Student Database Module 4. Advanced Search Module 5. SMS sent reports module Modular Details of the Library Information System are: 1. Library management system provides all the necessary 2. information about all the books. 3. Issues and returns. 4. Student wise transactions. Inventory Module Deals with stock related data which includes: 1. Stock in department and sub store as well as warehouse. 2. Issues from warehouse to sub store Sub store to department 3. Consumption in Department. 4. Purchases in warehouse for monthly buffer stock and based on department Requisitions 5. All requisitions and purchases are processed after approval from respective in charges 6. Requisitions raised by department can be tracked online. 7. Item wise usage analysis can be done. Modular Details of the Examination Management System are: 1. Internal and external marks report 2. Student attendance report 3. Student performance analysis report Details of the Finance and Accounts Management System are: 1. Student tuition fee payments and dues. 2. Examination fee payments and dues 3. General expenditure of the college as per various heads required

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

Narayana Engineering College, Nellore is affiliated with Jawaharlal Nehru Technological University, Ananthapuramu (JNTUA). The institution adopts and follows the curriculum prescribed by the University. Institute follows CBCS system in which students can opt for courses of their choice from the available options provided under elective courses category. Objectives and outcomes are defined for every course of program and it is ensured that the defined objectives & outcomes are fulfilled at the end of every course. The institute has its well-defined process to plan and execute activities for effective implementation of the curriculum delivery. The action plan for effective implementation of the curriculum is as follows: a) A staff meeting is conducted in prior one month commencement of the semester by the Head of the department and assigns subjects based on their preference. b) Faculty prepares the course file (includes lecture notes, PPT, Question Banks, CDF, E-Learning materials etc) in advance. c) The prepared institutional academic calendar is approved in

College Academic Committee (CAC) meeting is conducted after the commencement of the academic year. d) The Institution academic plan is prepared in-line with the academic calendar of the University. e) Academic, co-curricular and extra-curricular activities are conducted as per the academic planner. f) Departmental academic/action plan is prepared for the semester taking in to consideration the requirements at the department level like Guest lectures, tutorials, seminars, workshops, bridge courses, remedial classes, etc. g) HODs conduct the meeting for the staff to explain the prepared and approved academic calendar. Then the same is circulated to the faculty and students. h) The faculty circulates & publishes, the prepared course plan in MOODLE which includes course outcomes, CO-PO mapping, reference books, E-Learning resources, lecture schedule based on working hours, etc i) Program Educational Objectives (PEO) and Program Outcomes (PO) are developed for each program. Adopted the approach of Outcome Based Education for the effective delivery of the curriculum to facilitate the assessment and attainment of the course outcomes for different courses j) The Course delivery and syllabus completion status is monitored through formal and informal means by IQAC. k) Guest lectures, workshops, Seminars, Industrial visits and Internships are conducted to enrich the curriculum. l) Certificate courses and Value added programmes are conducted to bridge the gap between the industry and Institute. m) Slow and advanced learners are identified based on the performance in the examinations. n) Advanced learners are motivated to take up innovative projects, publishing research papers, participating in symposiums, workshops and conferences. o) Extra classes are also conducted to teach topics beyond syllabus for advanced learners. p) Slow learners are given special attention by conducting Remedial classes, extra classes, assignments, peer learning etc for each subject. q) Tutorial classes are conducted in tutorial hours. r) Well-equipped library, E-resources and computer facilities like NPTEL video lecture enables the teachers to deliver the curriculum effectively in the classroom.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Certificate Course On AUTODESK REVIT	Nil	15/07/2019	5	Employability	Design of Building information modelling software
Certificate Course on Project Management With PRIMAVERA P6	Nil	27/01/2020	5	Employability	Design of Project management software
Design of Electrical Circuits on Printed Circuit Board	Nil	27/08/2019	5	Employability	Design of Electrical Circuits
Electric Vehicles	Nil	14/10/2019	5	Employability	Awareness on Electrical vehicles

Wind power plant design	Nil	20/01/2020	5	Employability	Design parameters of wind power plant
Battery Management System	Nil	10/02/2020	5	Employability	Awareness on battery management system in Electrical Vehicles
ROBCAD	Nil	16/09/2020	6	Employability	ROBOTICS PROGRAMMING
ROBCAD	Nil	26/09/2019	6	Employability	ROBOTICS PROGRAMMING
Fundamental concepts of ANSYS- FEM	Nil	23/12/2020	6	Employability	ANSYS SOFTWARE
IoT With Node MCU	Nil	02/03/2020	5	Employability	Applications in Home appliances
NI Lab VIEW	Nil	10/02/2020	5	Employability	Performance Analysis of Circuit
PCB Design and Fabrication	Nil	19/08/2019	5	Employability	Fabricate Circuit
Mobile Robotics	Nil	17/09/2019	4	Employability	Application of AI
C Programming	Nil	11/02/2020	23	Employability	Programming
CPP	Nil	11/02/2020	23	Employability	Programming
HTML	Nil	10/02/2020	23	Employability	User Screen design
FUNDAMENTALS OF PYTHON	Nil	14/10/2020	5	Employability	Programming
WEB DESIGN USING PHP	Nil	19/08/2019	5	Employability	Web Pages Design
JAVA Programming	Nil	13/07/2020	6	Employability	Programming
PYTHON Programming	Nil	13/07/2020	6	Employability	Programming
ADVANCED C Language	Nil	13/07/2020	6	Employability	Programming

Certificate Course On Software Development using R	Nil	20/01/2020	5	Employability	Build software using R
Certificate Course On Hadoop Framework	Nil	24/02/2020	5	Employability	Dataset transformations
Certificate Course on Stock Market Aspects	Nil	31/07/2019	5	Employability	Know about Stock market procedures
Certificate Course on Logistics Supply Chain Management	Nil	06/01/2020	5	Employability	Supply chain Management importance Opportunities
Certificate Course on Security Analysis Risk Management	Nil	24/02/2020	5	Employability	Know securities markets and risk involved in trading of securities
Certificate Course On Cognitive Technologies	Nil	19/08/2019	5	Employability	Learn AI techniques

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
MCA	MCA	05/09/2019
Mtech	Computer Science & Engineering	16/09/2019
Mtech	Electrical Power Systems	16/09/2020
Mtech	Electrical Power Systems	16/09/2019
BTech	Electronics & Instrumentation Engineering	08/07/2019
BTech	Computer Science & Engineering	08/07/2019
BTech	Electronics & Communication Engineering	08/07/2019

BTech	Mechanical Engineering	08/07/2019
BTech	Electrical & Electronics Engineering	08/07/2019
BTech	Civil Engineering	08/07/2019
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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
BTech	Civil Engineering	08/07/2019
BTech	Electrical & Electronics Engineering	08/07/2019
BTech	Mechanical Engineering	08/07/2019
BTech	Electronics & Communication Engineering	08/07/2019
BTech	Computer Science & Engineering	08/07/2019
BTech	Electronics & Instrumentation Engineering	08/07/2019
Mtech	Electrical Power Systems	16/09/2019
Mtech	Computer Science & Engineering	16/09/2019
Mtech	VLSI	16/09/2019
MBA	MBA	05/09/2019
MCA	MCA	05/09/2019

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

	Certificate	Diploma Course
Number of Students	2299	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
3DS MAX	15/12/2019	52
ETABS - For Structural Design of Residential Building	05/08/2019	100
SAP 2000 - Integrated solution for structural Analysis and Design	10/02/2020	53
Soft Skills - 1	08/07/2019	52
Solar PV systems design	05/08/2019	121
Electrical CADD	16/09/2019	98
Light Current Systems	20/01/2020	115

For Electrical Power Engineering		
Solar PV systems installation and Maintenance	09/03/2020	121
Soft Skills-2.a	08/07/2019	95
Soft Skills-2.b	30/12/2019	119
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	Civil Engineering	37
BTech	Electrical & Electronics Engineering	53
BTech	Mechanical Engineering	31
BTech	Electronics & Communication Engineering	37
BTech	Computer Science & Engineering	64
MBA	Management	123
MCA	Computer Applications	60
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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
<p>To capacitate the process of continuous refinement in curriculum, our institution has adopted a feedback system that takes suggestions from stakeholders. The feedback process of the Institution for curriculum improvement is mentioned below: The entire process is executed in following three stages 1. Feedback collection 2. Feedback analysis 3. Reward / corrective measures 1. Feedback Collection: ? The institution has established a system of collecting feedback on curriculum. ? The frequency of the feedback is twice in an academic year, generally at the end of every semester. ? The feedback has been collected through the survey forms given to them where students can respond towards the structured questionnaire regarding the key elements like sequence of courses, size syllabus, usefulness, relevance of textbooks and so on. ? The head of the institution releases a circular to Head of the departments, desiring to collect the feedback from the stake holders on curriculum for the period ending of odd and even semester from the stake</p>

holder. ? The HODs collect the feedbacks from stakeholders for the completed semester. ? Feedback for curriculum improvement has been taken from various stakeholders like a) Student b) Faculty c) Parent d) Alumni and e) Employer 2. Feedback Analysis: o A Committee comprising of faculty members is constituted by HOD to analyze the feedback collected from stakeholders. o Committee analyses the feedback collected and submits a consolidated report. o Identifies curriculum gaps if any based on the feedback from our stakeholders. 3. Action Taken: As our college is an affiliated college therefore the curriculum prescribed by the university is to be followed. Hence identified gaps communicated to the concerned authorities in the following ways. 1) The consolidated feedback reports are sent to University by Principal. 2) To fulfill the curriculum Gap College has conducted various programmes

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
Mtech	Computer Science & Engineering	18	3	2
Mtech	EPS	18	4	3
Mtech	VLSI	18	8	8
MBA	Management	180	110	103
MCA	Computer Applications	60	54	31
BTech	Mechanical Engineering	60	35	16
BTech	Civil Engineering	60	50	19
BTech	Computer Science & Engineering	120	158	127
BTech	Electronics & Communication Engineering	120	166	129
BTech	Electrical & Electronics Engineering	120	125	59

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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
2019	1869	395	108	38	Nil

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	Number of smart classrooms	E-resources and techniques used
146	134	12	41	8	10

[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)

The role of the faculty as a mentor is one of nurturing and providing support for a student during the transition period in academic. In the Institution, mentoring is a continuous process where faculty mentors serve as a resource and guide to students in respects from academic to personal growth. ? Mentors are appointed to resolve day to day problems of the students, for a batch of 20 students. ? Mentors will counsel the respective students for every fifteen days of in a month to solve the problems come across during their course of study. Objectives: ? Counseling students for solving their problems and provide confidence to improve their quality of life. Guiding students to choose right career path for job, higher studies, Entrepreneurship, etc. ? To monitor the students regularity discipline To enable the parents to know about the performance regularity of their wards. Outcomes: ? In course of direct communication between mentor and the student there was a good improvement in the teacher-student relationship. ? The above resulted in attaining a better academic performance ? The attendance percentage of the students has increased to a greater extent. ? The number in detention of students has decreased consistently.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2264	146	1:16

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
146	146	Nil	5	1

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	Kandula Sreenivasulu	Assistant Professor	Certificate of Appreciation from NPTEL
2019	Sravan Kumar Reddy Ponugoti	Assistant Professor	Certificate of Appreciation with Elite from NPTEL
2019	Seelam Brahma Naidu	Assistant Professor	Certificate of Appreciation with Elite Silver from NPTEL
2019	Dr. A V S Prasad	Professor	Governing Body - NECG

2019	Dr.C Rajendra	Professor	Academic Council - SVCET
2019	Dr. T K BALAJI. PURUSHOTHAM	Professor	Best Faculty Award from NEC, Nellore
2019	Dr.K Murali	Professor	Board of Studies - AITAM
2019	K.Vinay Kumar	Assistant Professor	Best NSS Programme Officer Award
2019	S.Girish Gandhi	Associate Professor	Outstanding Service Award
2019	Dr A.V.S Prasad	Professor	Acharya Ratna

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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
MCA	MCA	1/1	31/01/2020	09/05/2021
BTech	B.Tech	2/4	12/09/2020	30/09/2020
BTech	B.Tech	1/4	07/12/2019	30/01/2020
BTech	B.Tech	2/3	17/11/2020	31/12/2020
BTech	B.Tech	1/3	07/12/2019	11/02/2020
BTech	B.Tech	2/2	12/11/2020	20/01/2020
BTech	B.Tech	1/2	07/12/2019	24/02/2020
BTech	B.Tech	2/1	22/11/2020	31/12/2020
BTech	B.Tech	1/1	10/01/2020	20/05/2020
MBA	MBA	1/1	31/01/2020	11/05/2020

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

The major reforms in the examination process initiated by the college are as mentioned below: 1. The academic plans and academic calendar inclusive of various activities of the institute is displayed on notice board and website before the start of the semester. 2. The answer books of the students are shown after the assessment for discussion with the students. This helps students to identify any and impartial evaluation or mistakes during assessment by faculty, identify mistakes the students made and note the areas for improvement. This also assured that assessments are done without any partiality or favoritism. 3. The college has introduced Objective tests during the mid exams. 4. The Question Papers for the mid exams and unit tests are set by the committee appointed in the exam center. The Questions are chosen from the question bank provided by the faculty at the beginning of the semester. This ensures that the course plans are ready prior to the commence of the semester and promote students to prepare on all topics. 5. Unit tests are conducted to students for

formative assessment purposes. This helped faculty to identify slow/weak learners and take necessary actions. Two such Unit tests are conducted in a semester. The stakeholders of the institute are made aware about the evaluation process by following means: 1. At the commencement of the semester, students are notified about the criteria for evaluation of term work. It is also disseminated to all the stakeholders of the programs through student induction programs and parent meetings. 2. Conduction of theory and practical classes as per JNTUA, Ananthapuramu guidelines. Additional teaching hours are included for difficult subject 3. Continuous evaluation of practical's. 4. Course Structure and syllabus of respective programme is displayed on University website and on department notice board. 5. Information of internal examination evaluations and results to the students. Class teachers and subject teachers inform students about evaluation process.

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

The institute has a well-defined standard operating procedure to develop the academic teaching plans and followed through a well-defined academic calendars' given by JNTUA Ananthapuramu. 1. Once the academic calendar from University is received, the respective head of the departments prepares the academic calendar which includes all the technical events, expert talks', co - curricular and extra co-curricular activities of their department and approves it by the Principal and Director. 2. The academic calendar shows the start and end of each semester stating various activities to be conducted, the internal examinations schedule and the tentative schedule of external examinations. 3. The academic calendar is circulated to all the faculty and students. It is displayed and uploaded on college website for further reference. 4. The CIEs are scheduled and conducted as per the academic calendar. 5. The schedule of CIE is announced to the students by each faculty on the first day of semester and is also displayed on the notice boards at the department and exam center. 6. The external exams are conducted as per the schedule given by the JNTUA. 7. We have strong IQAC cell for effective implementation and measure of teaching learning process in the coming future.

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://necn.ac.in/pdf/Manual-PEO-PO-PSO-COs.pdf>

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
UG	BTech	Civil Engineering	44	41	93.18
UG	BTech	Electronics & Communication Engineering	95	86	90.53
UG	BTech	Mechanical Engineering	62	41	66.13
UG	BTech		122	110	90.16

		Electronics & Communication Engineering			
UG	BTech	Computer Science & Engineering	104	89	85.58
UG	BTech	Electronics & Instrumentation Engineering	33	32	96.97
PG	MBA	Management	121	108	89.26
PG	MCA	Computer Application	67	37	55.22
PG	Mtech	CSE	4	4	100
PG	Mtech	VLSI	10	10	100
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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)

<http://necn.ac.in/IQAC/SSS%202019-20.pdf>

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
Total	0	Nil	Nil	Nil
No file uploaded.				

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
FDP on Oracle Applications	Computer Science and Engineering	18/12/2019
SCADA application in power systems	Electrical Electronics Engineering	01/07/2019
One day workshop on circuit debugging	Electrical Electronics Engineering	17/08/2019
EEE Importance around globe and core job awareness	Electrical Electronics Engineering	19/08/2019
Modern Trends in Electrical Machines and its Design	Electrical Electronics Engineering	16/09/2019
A Two days National work	Electrical Electronics	21/01/2020

shop on Transformer differential protection and numerical protection relay testing and commissioning	Engineering	
A Technical talk on Advanced power system protection	Electrical Electronics Engineering	26/08/2019
an awareness programme on Opportunities in software and hardware for EEE students	Electrical Electronics Engineering	11/10/2019
A Seminar on Switch Yard maintenance and its components	Electrical Electronics Engineering	25/10/2019
Electrical desining and Installation	Electrical Electronics Engineering	16/10/2019
IOT Based robotics	Mechanical Engineering	23/05/2020
DIGITAL MARKETING practical knowledge for Job purpose.	MBA	16/01/2020
Emerging trends in business world	MBA	15/02/2020
Introduction to Android Applications	MCA	13/03/2020

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
NA	Nil	Nil	Nil	Nil
No file uploaded.				

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
NEC IIC	Mohan Sai Baswanth	Self	Allio Home Service	Service type	22/08/2019
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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	3

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

Name of the Department	Number of PhD's Awarded
0	Nil

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)
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International	Computer Science and Engineering	2	6.42
International	Electrical Electronics Engineering	1	6.3
International	Electronics Communication Engineering	2	0
International	MCA	1	0
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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	26
Electrical Electronics Engineering	35
Electronics Communication Engineering	16
MBA	6
MCA	4
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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
Segmentation of thermogram based on region based technique using split and merge method	V. Phani Bhusan, K.Murali, K. S. Sagar Reddy	International Journal of Recent Technology and Engineering	2019	0	Narayana Engineering College, Nellore	Nil
Probability of Detection Analysis of Frequency Modulated Thermal Wave Imaging to Glass Fiber-Reinforced Composite	Murali, K. and D. V. Rama Koti Reddy	Journal of Testing and Evaluation	2020	1	Narayana Engineering College, Nellore	1

Materials for Nondes tructive Testing						
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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
0	NA	Nill	Nill	Nill	Nill	0
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3.3.7 – Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	2	53	Nill	Nill
Presented papers	2	4	Nill	Nill
Resource persons	Nill	Nill	Nill	Nill
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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
AWARENESS PROGRAM ON ORGAN DONATION	SaiRam Maternity and Kidney Centre, Nellore	4	72
AN AWARENESS PROGRAM ON CLAY GANESH	NSS UNIT of NECN	8	53
AN AWARENESS PROGRAM ON WORLD FIRST AID DAY	Pinakini Youth Welfare Association, Nellore	7	85
Distribution of Ceiling fans and fruits	NSS UNIT of NECN	8	63
AWARENESS RALLY ON WORLD MENTAL HEALTH DAY	Yuva Tejam, Nellore	6	92
Awareness on Importance of Voting to the students of NECN	Pinakini Youth Welfare Association, Nellore	5	78
Blood Donation	Narayana Medical	5	168

Camp	College Hospital, Nellore		
Distribution of Rice Bags and Clothes to Vatsalya Oprhanage	Yuva Tejam, Nellore	5	63
Awareness Program on World Cancer Day	RSR Hospital, Nellore	5	82
SNACKS AND STATIONARY DISTRIBUTION AT VATSALYA ORPHANAGE, NELLORE	Yuva Tejam, Nellore	5	76
View File			

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
An Awareness Program on Aids Day	Best NSS Volunteer Award	Pinakini Youth Welfare Association, Nellore	1
AWARENESS RALLY ON WORLD MENTAL HEALTH DAY	Best Supporter Award	Yuva Tejam	1
View File			

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 activities	Number of students participated in such activities
Awareness	Pinakini Youth Welfare Association, Nellore	An Awareness Program on Aids Day	5	70
Plantation	NSS UNIT of NECN	Mass tree plantation at college by JNTUA NSS coordinator	15	65
Swachh Bharat	Pinakini youth Welfare Association, Nellore	Awareness program on 50 hrs of Swachhata	8	108
View File				

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
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NEXGEN 3D Printing Pvt Ltd, Hderabad	Students-35	NECN	2
Vijaya dairy, Nellore	Students-13	NECN	13
CANTER CADD , Nellore	Students-25	NECN	6
Sofcon Pvt Ltd	Students-52	NECN	1
Tech Analytical	Faculty-18	NECN	3
Mayinkrish Ventures Pvt.Ltd.,	Students-109	NECN	5
Mayinkrish Ventures Pvt.Ltd.,	Students-73	NECN	5
Yucan	Students-109	NECN	5
VSS Technologies	Students-73	NECN	5
Jaladhi Automation Pvt Ltd , Hderabad	Students-50	NECN	1
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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
Industrial visit	Industrial Linkage	Integral Coach Factor y, Chenni.	10/11/2019	10/11/2019	Students
Internship	Industrial Linkage	NELCAST Lt d, Alwarpet, C henni.	10/10/2019	18/10/2019	Students
Industrial visit	Industrial Linkage	Satish Dhavan Space Centre (SHAR) , Sriharikota Range, Nellore Dist, AP.	26/09/2019	26/09/2019	Students
Internship	Industrial Linkage	The Nellore Distric Milk Producers, Mu tually Aided Co-Operative Union Ltd, Ve nkateswarapu ram, Nellore.	02/07/2019	14/07/2019	Students
Internship	Industrial	Andhra	01/07/2019	14/07/2019	Students

	Linkage	Pradesh Power Development Company Ltd, Nellore, AP.			
Internship	Industrial Linkage	KATE Technologies, Hyderabad	04/11/2019	02/04/2020	Students
Summer Online Training(Online)	Industrial Linkage	APSSDC # 3rd floor, Infosight Building, survey No. 78/2, Near Pathuru Road Junction, NH-16 Service Road, Tadepalli - 522501, Guntur District, Andhra Pradesh Contact No. : 1800 4252 422	01/06/2020	13/06/2020	Students
Industrial Visit	Industrial Linkage	Satish Dhawan Space Centre, SHAR Sriharikota Range , Nellore Dist ., A.P., India Telephone: 91-8623-245060 Fax: 91-8623-225160	23/09/2019	23/09/2019	Students
Project Based	Industrial Linkage	Narayana Medical College Hospital Chintareddypalem, Nellore-524002(A.P) Contact No. : 0861-2355511	05/02/2020	11/03/2020	Students
Internship (Online)	Industrial Linkage	VI Solutions #2/3, 8th A Cross, M. T. Street, Vasanthnagar, Bengaluru - 560052, INDIA 91-80-40948484	14/05/2020	18/06/2020	Students

Contact
person :
Sunil Kumar
V Mobile: 91
-9986387986
E-mail: supp
ort@visoluti
ons.org
Website: www
.visolutions
.org

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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
CANTER CADD ,Nellore	10/05/2019	Faculty Development Programme	25
CANTER CADD ,Nellore	10/05/2019	Certificate Course	28
R.Krishna Chaitanya Industrial Automation Services Training on PLC, CADA, Guntur	27/07/2019	Faculty Development Programme	45
Takeoff Edu Group, A Division of Youngminds Technology Solutions Pvt.Ltd TIRUPATHI	08/08/2019	Certificate Course on PCB Design Fabrication	112
Karvy Stock Broking Limited 16-2-230, Room No. 207 Kaizen, Nellore	25/07/2019	Certificate Course	70
Religare broking ltd 17-1-138, 2nd floor, R.K photo building, beside sivapriya hotel building, Nellore, Andhra Pradesh 524001	31/07/2019	Stock Market Aspects	72
Ricon Technologies S2 Multiplex Rd, Other, Pogathota, Nellore, Andhra Pradesh 524001	24/08/2019	Value Added Course	94

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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
40000000	46228914

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Seminar Halls	Existing
Classrooms with LCD facilities	Existing
Seminar halls with ICT facilities	Existing
Video Centre	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Others	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Existing
Classrooms with Wi-Fi OR LAN	Existing
View File	

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
Narayana ILMS	Fully	2	2007

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	28192	3205052	585	264064	28777	3469116
Reference Books	7602	807552	74	38850	7676	846402
e-Books	123000	104607	33574	115067	156574	219674
Journals	1772	1189165	96	184388	1868	1373553
e-Books	18101	561792	5412	98002	23513	659794
Digital Database	1	13570	1	13570	2	27140
CD & Video	2529	8750	2212	6500	4741	15250

Library Automation	1	Nil	Nil	Nil	1	Nil
View File						

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
S. MOUNIKA	Advanced structural engineering	MOODLE	16/12/2019
VMV.SAI KRISHNA	Environmental impact assessment and management	MOODLE	20/12/2019
G. VENKATESWARLU	HVDC transmission	MOODLE	17/12/2019
G. JAYAKRISHNA	Instrumentation	MOODLE	16/12/2019
SAI PRASAD KANCHI	Industrial engineering	MOODLE	24/12/2019
MERCY LYDIA MALLELA	Power plant engineering	MOODLE	18/12/2019
K. S. SAGAR REDDY	Low power vlsi circuits and systems	MOODLE	19/12/2019
K. MURALI	RF integrated circuits	MOODLE	20/12/2019
V.MUNIRAJU NAIDU	Mobile computing	MOODLE	21/12/2019
DR.B.SUNIL KUMAR	Cyber security	MOODLE	17/12/2019
View File			

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	727	471	60	26	100	50	20	100	0
Added	0	0	0	0	0	0	0	0	0
Total	727	471	60	26	100	50	20	100	0

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

100 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
NA	Nil

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 incurred on maintenance of physical facilities
5000000	5148686	15000000	15697100

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)

The physical, academic and support facilities like classrooms, labs, computer centre, boardroom, seminar halls, auditorium, guest room etc., are well maintained and used based on the requirement as per the standard procedure. The time-table for each section of every semester is prepared allotting the classrooms and the laboratories after the calendar is prepared at the beginning of the semester. This facilitates the optimum usage of resources. Certain laboratories and workshops are required to be shared and utilized as common facilities. Such facilities are shared by different departments. At the beginning of the semester the time table in charge will resolve this issue by consulting the HODs and the principal. Computers and allied Infrastructure: Routine computer maintenance, software installations, networking are handled by the CSE Department. Computer, LCD projectors and CC cameras maintenance and checking activity carried out by team of system engineer, hardware engineers and technicians. The equipment with major repair, are being repaired by outside agency. After receiving quotation for maintenance and repair charges necessary approval from college authorities and management is taken. Thereafter equipment is sent for repairing by issuing gate pass and the status of repair work is tracked. Classrooms, Seminar Halls Laboratories: Class rooms and seminar halls come under daily maintenance. The administrative staff takes rounds of all the class rooms and seminar halls every day. In case of requirement for maintenance such as lights, fans, benches etc will be attended by maintenance staff. Laboratory in charge, along with laboratory assistant, ensures proper working of all equipment at the beginning of each semester. Repairs and Maintenance of laboratory equipments are initiated by the respective Laboratory In charge as and when required. As per the requirement, minor repairs are carried out by lab assistant/s. Faculty In charge and HOD handles the major repair/maintenance by placing order to the concerned equipment experts. Library, Sports and Games: The librarian is the in charge for handling all the maintenance works required in the library through maintenance staff. He takes care of utilization of books, computers and other learning materials in the library. The physical director takes responsibility for all repairs pertaining to sports equipment and courts. He has to maintain courts properly on daily basis with the help of the maintenance staff. Buildings and Infrastructure: Maintenance of buildings and related areas are undertaken by the Maintenance Department. Maintenance staff consists of Qualified Electricians, Carpenters, Plumbers and other service personnel. Monitoring of the facilities is carried out regularly by the administrative officer. Maintenance and housekeeping of the classrooms, laboratories, library, and the institute as a whole are taken care by the maintenance staff. Minor maintenance of furniture items and metal fixtures is carried out by the workshop. Electrical Facilities: Electricians are available round the clock to address power breakdown. Maintenance Department monitors the services of electricians. They perform regular checks in classrooms and in the campus to ensure that all electrical fittings are in excellent condition.

http://necn.ac.in/IQAC/Proc_Poly-Utilization.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	Economical Backward Scheme and Merit Student	418	7384537
Financial Support from Other Sources			
a) National	State Govt Scholarships	1064	72918150
b) International	Nil	Nil	Nil
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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 implementation	Number of students enrolled	Agencies involved
Yoga Meditation	19/09/2019	63	Nayago Education trust
Language Lab	03/01/2020	973	NECN Faculty
Remedial Coaching for Civil	08/12/2019	160	NECN Faculty
Remedial coaching for EEE	14/10/2019	374	NECN Faculty
Remedial Coaching for Mechanical	12/12/2019	145	NECN Faculty
Remedial Coaching for MBA	24/10/2019	68	NECN Faculty
Soft Skills	08/07/2019	817	NECN Faculty
View File			

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 passed in the comp. exam	Number of students placed
2020	Seminar on how to face interviews	157	Nil	2	207
2020	Awareness program on civil services	135	Nil	Nil	Nil
2020	Awareness program on core opportu	Nil	78	Nil	Nil

	nities				
2020	Awarness on staff selection commission	254	Nil	Nil	Nil
2020	Interview skills in core industry	Nil	89	Nil	Nil
2020	Opportunities in government sector	Nil	276	Nil	Nil
2020	Career opportunities in IT industry	Nil	321	Nil	Nil
2020	Job opportunities for mechanical engineers in power sector	Nil	41	Nil	Nil
2020	Awarness on recent trends in IT sector	Nil	159	Nil	Nil
2020	Career in merchant navy	Nil	82	Nil	Nil
View File					

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
2	2	2

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
17	1731	173	7	693	34
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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	Department graduated from	Name of institution joined	Name of programme admitted to

2020	1	Narayana Engineering Collge	EEE	Swetha Institute Of Technology And Science	MBA
2020	1	Narayana Engineering Collge	EEE	Brahmaiah College Of Engineering	MBA
2020	2	Narayana Engineering Collge	EEE	Audisankara College Of Engineering And Technology	M.Tech
2020	2	Narayana Engineering Collge	EEE	Gokula Krishna College Of Engineering	M.Tech
2020	1	Narayana Engineering Collge	ECE	MSIT Program at IIITH, HYD	MSIT
2020	1	Narayana Engineering Collge	ECE	VIT Chennai	M.Tech
2020	2	Narayana Engineering Collge	ECE	Narayana Engineering Collge	M Tech
2020	1	Narayana Engineering Collge	ECE	Raos Nellore	MBA
2020	1	Narayana Engineering Collge	ECE	KVCPCG, NLR	MBA
2020	1	Narayana Engineering Collge	ECE	IIPM, Bangalore	MBA
View File					

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
GATE	2
View File	

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

Activity	Level	Number of Participants
Archery Free coaching Camp	College	126
Republic day Cricket, Kabaddi, badminton, throw ball	College	369

N.P.L Tournament Cricket, Volley ball, Throw ball, Kho-Kho	District	360
Pencak Silat Game District level selections	District	155
Pencak silat Game Coaching Camp	District	146
Jntua University Chess selection for Men and Women	University	250
Narayana 5K Run	College	265
National Sports day, Che ss, Carroms, Table-Tennis	College	144
Independnce Day, Basket ball, Volley ball, Ball ba dminton, Tennikoit, Throwba ll	College	342
View File		

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
2020	Pencak silat (Regu)	National	4	Nil	17711A0244	N.Nagamani
2020	Pencak silat (Ganda)	National	2	Nil	17711A0256	N.Rajasri
2020	Pencak silat (Tungal)	National	2	Nil	19711A0454	K.Mounika
2020	Pencak silat (Tanding)	National	7	Nil	17711A0251	M.Swapna
2019	Kabaddi	National	1	Nil	17711A0277	P.Chandra swaroop
2019	Pencak silat	National	3	Nil	17711A0256	N.Rajasri
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5.3.2 – Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

? As the head of the institution being the Chairman of the Student Council, President, Vice - President, General Secretary and Joint Secretary positions are represented by students. ? All class representatives of UG and PG programs are the members of Student Council. ? Student Council representatives of is actively participate in various activities. ? Apart from the Student Council,

the institute has various committees with adequate student participation/representation. Institute encourages participation of student representatives in various academic and administrative committees. There are 38 cells and committees involving student representation. ? The student members motivate other students to take part in the activities conducted in the Institute. ? The student members help in coordinating all the events related to academics, co- curricular Extra-curricular activities, with the guidance of teaching faculty. ? The student members perform several of academic / administrative work with the help of other students. ? The student members works as a medium between Principal, faculty and students.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Alumni Association of Narayana Engineering College, Nellore has established Narayana Engineering College Alumni Association Nellore (NECAA) on 18th December, 2007 under the Society Registration Act, XXXV of 2001 with registration No -461/2007. ? To organize and monitor different activities of Alumni Association, College has formed an Alumni Committee, where in one dedicated staff is appointed as Alumni In-charge and faculty in-charges from all departments as members, for the coordination of our alumnus and also for communicating developments and events, taking place in the college. ? Every passed out student is eligible for life time membership and can become a member by fulfilling registration process. ? These committee members meet once in a month. Alumni committee organizes the annual alumni meet every year. ? Alumni meet provides them the platform to share their past and present experiences as well as to recall their memories in the institute with their teachers, juniors and friends. ? Alumni committee provides Alumni talks, guest lectures, career development programs, workshops etc by Alumni who are in different cadres in different organizations. ? Alumni interaction with the existing students of the college about their experience in their field of job. ? All the go out understudies of the college are dynamic individuals from the Alumni Association. The Alumni individuals have spread around the India and somebody in abroad are strengthen the college in different exercises ? The association helps in working up the system of the graduated class and aides in being in contact with the corporate world and aides in arranging asset people for courses, workshops, seminars, career guidance's, arranging field visits or trips in their organizations and aides in the arrangement procedure for the current understudies. The alumni (graduated class) participate through feedback on competencies gained during their student life and provide information to improve curriculum on a continuous basis. The graduated class assumes a crucial part in the position of the active graduates. Our graduated class bunches regularly encourage new graduated class and gives a gathering to frame r relationship and friendliness with individuals of comparable foundation.

5.4.2 – No. of enrolled Alumni:

227

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

275000

5.4.4 – Meetings/activities organized by Alumni Association :

The Alumni Association of Narayana Engineering College, Nellore has established Narayana Engineering College Alumni Association Nellore (NECAA) on 18th December, 2007 under the Society Registration Act, XXXV of 2001 with registration No -461/2007. Narayana Engineering College, Nellore Organized

NECAA meet for the academic year 2019-20 on 11.01.2020, C-block Auditorium at campus. The occasion was graced from last 10 batches and 52 non financial benefits derived from Alumni. The total number of enrolled Alumni of NECN is 227. On the occasion of Alumni Meet, Alumni interacted with Final Year Third year students between 9.30 Am to 02.00 pm and addressed their queries related to career opportunities, higher studies, placement preparation and entrepreneurship. Website Upload :<http://necn.ac.in/alum-2019-20.php>

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 practices decentralization and participative management. Decentralization and operational transparency are the features of the institute. The institute having been a support for participative management achieved it involving faculty and students. Thus it formed policy of participative management as it forms part of democratic governance. The Governing Body considering the same as a quality promotional policy for the improvement of the institution has accorded to its approval. For the proper functioning of the college and promotion of participative management, the college runs on a decentralized management operative process, wherein different committees have been framed by the Principal in the governance of the college. Such decentralized and participative management leads to a situation of harmony and congenial atmosphere in the college for the development of the students.

The college works as per the rules and regulations framed by JNTUA and governing Body in designing and implementation of the quality policy and plans. The Principal is the Head of the institution and is empowered with sufficient authority and power delegated from the management for smooth functioning of day-to-day activities. Under the direct supervision of Principal all the departments of the college function. Day-to-day academic activities of the departments are taken care by the HODs. The Principal, as a representative of the college, leads its faculty members and HODs in all academic matters. He encourages and cooperates the HODs and faculty members in ensuring a proper academic environment in the college which may benefit the students. A number of committees have been constituted by the Principal to run the college properly and smoothly. Senior members of different faculties head the respective committees. Principal, along with the faculty and the staff are being involved in the process of decision-making and its implementation. The college has an Internal Quality Assurance Cell, which includes members from other institutes and senior teachers from the college. IQAC meets at regular intervals and plays a crucial role in the implementation of its plans and policies.

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	Transparency is maintained in admission of students and in the Admission policy as per the Government norms (as affiliated to JNTUA). Out institute has internal automated online system for Student Admission and Support

Industry Interaction / Collaboration	Enabling students to aware of real-world phenomena, field visits, internships and invited guest lecturer from industry
Human Resource Management	Online Bio-metric system Automated Payroll system was established for effective human resource management employee.
Research and Development	<p>Our institute has its own code of ethics to ensure quality and legitimate practices in research which are been published on the institute Website.</p> <p>Around 158 research papers are published every year by faculty members in reputed Journals including UGC recognized Journals. Various Departments of the Institute organize many conferences/ seminars/ workshops/ invited lectures/ gender sensitization programmes with a focus on capacity building in terms of research and imbining research culture among the faculty staff and students.</p>
Examination and Evaluation	<p>1. Setting of internal Examination question paper: 2. The Question Papers for the mid exams and unit tests are set by the committee appointed in the exam center. 3. Unit Tests: Unit tests are conducted to students for formative assessment purposes 4. Multiple Choice Questions (MCQs)/Objective Tests: The College has introduced Objective tests during the mid exams. 5. Answer book showing and display of results: The answer books of the students are shown after the assessment for discussion with the students. 6. The academic plans and academic calendar inclusive of various activities of the institute is displayed on notice board and website before the start of the semester</p>
Teaching and Learning	<p>The learning environment motivates active engagement of students in the development of personal skills and competencies. Interactive instructional techniques that engage students in innovative thinking and critical assessment, through the use of interviews, focused group discussions, debates, projects, presentations, internship and application of ICT resources, are actively implemented.</p> <p>Considering the advancements in technology and need of implementing innovative teaching practices, teachers</p>

are encouraged to attend different training programs which add more value to their technical expertise and teaching practices/ methodologies. The institution also conducts remedial classes, bridge courses, communication skills development programs, pre-placement training, for the holistic development of students

Curriculum Development

Our institution is affiliated and follows CBCS system in which students can opt for courses of their choice from the available options provided under elective courses category. The institute has its well-defined process to plan and execute activities for effective implementation of the curriculum delivery. Objectives and outcomes are defined for every course of every program and it is ensured that they are fulfilled at the end of every course. An academic planner of the institution is prepared in-line with the academic calendar of the University. Academic, co-curricular and extracurricular activities are conducted as per the academic planner.

Library, ICT and Physical Infrastructure / Instrumentation

The library of the institution is equipped with Library Management System services which is automated through a software program, designed and developed by our own team. ILMS Software Package has Barcode Scanner that supports all in-house operations of the library. Name of the ILMS Software: Library Management System Software (LMS) Nature of Automation: Fully Automated Version: 2.0 Year of automation: 2007 The library building is fully air-conditioned and well protected with fire alarms and CCTV security systems Equipped with reading hall. Library web OPAC link is provided on college website to students and faculty for searching library materials.

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

E-governance area	Details
Administration	<p>Stock in department and sub store as well as warehouse. • Issues from warehouse to sub store Sub store to department • Consumption in Department. • Purchases in warehouse for monthly buffer stock and based on department Requisitions • All requisitions and purchases are processed after approval</p>

	from respective in charges • Requisitions raised by department can be tracked online. • Item wise usage analysis can be done.
Finance and Accounts	Functions of the finance and accounts are precisely defined and are strictly followed with proper accounting practices making record of each financial transactions using e-governance mechanism. This helps keeping records of receipt of funds, projects, consultancy income, donations, staff salary and all types of purchases and payment of various utility bills and taxes.
Student Admission and Support	Students who desires to take admission for UG and PG program of the institute are required to make formal application online on institute's MIS system by registering themselves. The data collected through this process is further used for making merit list and admission list of the eligible candidates and for online payment of the necessary fees.
Examination	MIS of the institute has well defined modules for collecting the data related to marks of continuous evaluation, Mid semester Test, End semester marks and analysis
Planning and Development	MIS of the institute has well defined modules for planning and developing data related to : Employee Login and Profile management Employee Attendance Details Employee Leave Request and Approval

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
2020	L Naga Lakshmi	Aicte Sponsored One Week Short Term Training Programme on Power Elwctronics: Issues, Challenges Research Opportunities	NBKR Institute of Science Technology	1200

		Nbkr Institute of Science Technology, Vidyanagar.		
2020	M Shanthi	Deep Learning For Engineering Applications	Kakatiya institute of technology science, Warangla	2300
2020	J Sunil Kumar	Swiching Circuits and Logic Design	NPTEL-AICTE	1100
2019	P Sravan Kumar Reddy	Demystifying Networking	NPTEL-AICTE	1100
2019	J Sunil Kumar	A National Level Seminar on Deep Learning For Engineering Applications Sponcered By Dst-Icps	Narasaraopet Engineering College	2900
2019	C Rama Mohan	One Week National Level Faculty Development Programme on Machine Learning Using Python	Narayana Engineering College, Gudur, Andhra Pradesh	1200
2019	Vadlamudi Muniraju Naidu	One Day Nptel Workshop	IIT, Madras	2000
2020	C Rajenadra	1-Week online Faculty Development Programme on Design Thinking in Engineering Education	VNR VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY, Hyderabad	500
2019	Ch Vanaja	Aicte (Under Margdarshan Scheme For Share Mentor Institutions) Sponsored One Week Faculty Development Programme on Effective Teaching and Outcome Based Education	Sree Vidyanikethan Engineering College, Tirupati	2300
2019	T Saiprasad Reddy	Aicte Sponsored A Two	Sri Venkateswara	2300

Week Faculty Development Programme (FDP) on Big Data Analytics For Cyber Physical Systems: Research Challenges and Opportunities

College of Engineering, Puttur

[View File](#)

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)
2019	FDP on Oracle Applications	Nil	18/12/2019	24/12/2019	46	Nil
2019	Nil	Training Programme on Software Installations	21/12/2019	21/12/2019	Nil	1
2019	A One week FDP on 3D Modeling Using ARCHICAD	Nil	17/12/2019	22/12/2019	24	Nil
2019	Nil	A One day workshop on Materials Management	20/07/2019	20/07/2019	Nil	10
2019	Nil	A One day awareness program on strength of materials laboratory	28/12/2019	28/12/2019	Nil	10
2019	One Week Faculty Development Programme on "SCADA	Nil	01/07/2019	06/07/2020	61	Nil

	Applications in Power Systems" in association with RK Automation					
2019	Nil	Awareness Program on "Safety measures in General Electrical Works"(For Lab- Technicians)	06/11/2019	06/11/2019	Nil	17
2019	One Week Faculty Development Programme on "Advanced Software Tools for Modern Power Systems"	Nil	16/12/2019	21/12/2019	52	Nil
2020	Nil	Awareness Program on "Batteries and Inverters" (Non-Teaching)	01/02/2020	01/02/2020	Nil	15
2020	Nil	Office Management and Importance and Consequences	30/11/2019	30/11/2019	Nil	15
View File						

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
Aicte Sponsored Two Week Faculty	4	11/09/2019	21/09/2019	11

Development Programme on Data Science Big Data Analytics				
Aicte Sponsored Two Week Faculty Development Programme on Cyber Security	3	26/08/2019	31/08/2019	6
Aicte Sponcered Two Week FDP on Emerging Trends in Machine Learning For Biomedical Applications	7	26/08/2019	31/08/2020	6
Aicte (Under Margdarshan Scheme For Share Mentor Institutions) Sponsored One Week Faculty Development Programme on Effective Teaching and Outcome Based Education	4	11/11/2019	16/11/2020	6
Ai IOT For Medical Applications	1	01/06/2020	03/06/2020	03
A National Level Seminar on Deep Learning For Engineering Applications Sponcered By Dst-Icps	8	06/01/2020	08/01/2020	06
5- Day National Level online FDP on Artificial Intelligence	1	22/05/2020	26/05/2020	05
1-Week online Faculty Development Programme on Design Thinking in Engineering Education	4	15/06/2020	20/06/2020	06

A Three Day National Level online FDP on Recent Trends in Civil Engineering	2	10/06/2020	12/06/2020	03
One week FDP on Project Management	3	11/12/2019	16/12/2020	06
View File				

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
5	5	12	12

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
<p>Group Mediclaim Policy Cell-Phones Bills Academic leave for PDP's Financial support for PDP's Financial support for Publications TA DA for Official Work Membership fee to Professional Chapters EPFESI Medical Leaves Maternity Leaves Subsidized Canteen Yoga Classes Best Teacher Award Incentives for ranks in university Exams Medical Consultations in NMCP Promotions for acquire Additional Qualification School / College fee concession in NEI Dental Health Checkup camps</p>	<p>TA DA for Official Work EPFESI Medical Leaves Maternity Leaves Subsidized Canteen Accommodation for Non-Teaching staff Yoga Classes Medical Consultations in NMCP School / College fee concession in NEI Dental Health Checkup camps</p>	<p>Fees Concession, Merit Scholarships</p>

6.4 – Financial Management and Resource Mobilization

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

Narayana Engineering college, Nellore ensures that both internal and external audits are conducted on financial functioning of the institute. These aim and objective is to ensure that all the financial functions are carried in a very systematic manner in line with the policy and procedures laid down by the institute, without any deviation and are supported by vouchers, duly approved by the authorized official. • To carry out internal audit duties, the institute has a dedicated internal audit team consisting of well qualified and experienced staff members. • Internal audit team conducts auditing of the Institute's functioning to assure that the set of functions of the institution are carried out in a proper manner. • Audit focuses on financial and other

related matters, which are included in the manuals. Internal audit after thorough verification of various functions of different aspects, prepare their initial report indicating inaccuracies and deviations in the implementation of the financial policies and procedures of the institution. • In doing so, they can find out irregularities in the maintenance of records to bring the same to the notice of the concerned officials. Initial report prepared will be discussed with the chief finance manager to arrive at the final audit report. Final report will be submitted to the Governing body for its approval and ratification, Apart from the internal audit, the institute engages a reputed firm/agency for conducting external audit in the institute. Such firm or agency conducts its audit normally once in a financial / academic year. External audit conducts detailed audit on all the financial dealing carried in the institute. Copy of the final audit report is brought to the knowledge of the concerned officials to rectify the inaccuracies and inconsistencies occurred in their working. This report also is directed to caution them in not repeating the same or similar mistakes in future. This way the audits ensure that all the functions are carried out in the strict interest of the institute and are directed towards the prosperity and development of the institute.

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
NA	0	Nil
No file uploaded.		

6.4.3 – Total corpus fund generated

0

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	1) Dr. C Rajagopal Reddy, Professor, Department of Civil Engineering, MSRIT, Bangalore. 2) Dr. Ch Hanumantha Rao, Professor, Department of Civil Engineering, KLU, Vijayawada. 3) Dr. T. Srinivas Reddy, Professor, Department of Electronics	Yes	IQAC Committee, NECN

		Communication Engineering, SVCE, Tirupathi.		
Administrative	Yes	1) Dr. C Rajagopal Reddy, Professor, Department of Civil Engineering, MSRIT, Bangalore. 2) Dr. Ch Hanumantha Rao, Professor, Department of Civil Engineering, KLU, Vijayawada. 3) Dr. T. Srinivas Reddy, Professor, Department of Electronics Communication Engineering, SVCE, Tirupathi.	Yes	IQAC Committee, NECN

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

Parents Teachers Association is a very important part of the college activity to maintain effective interaction between the institution and the parents and to give a touch of parental care for the students. The following are some Parent –Teacher support activities: • Parent-Teacher meeting • Feedback on Curriculum • Support for Internships • Support for Industrial visits • Support for Placements

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

Training Programme on Software Installations Awareness Program on “Safety measures in General Electrical Works”(For Lab- Technicians) Awareness Program on “ Batteries and Inverters” (Non-Teaching) Office Management and Importance and Consequences One Day Training on e-SIM.

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

1. Stepping towards to get Autonomy status. 2. Stepping towards National Board of Accreditation (NBA) accreditation. 3. Encouraging students to come out with Innovative ideas and Start-up proposals 4. Publishing papers in peer-reviewed reputed journals indexed in SCI/SCOPUS.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No
c)ISO certification	Yes

d)NBA or any other quality audit

No

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
2019	Workshop on "AQAR Writing Submission in New NAAC guidelines	07/12/2019	07/12/2019	07/12/2019	96
2019	One Day seminar on Road Map to Autonomy	19/10/2019	19/10/2019	19/10/2019	83
2019	One day Seminar on "Quality Sustenance and Improvement in higher Educational Institutions "	17/08/2019	17/08/2019	17/08/2019	82
2019	Workshop on "Reinventing MOODLE in students' Perspective"	19/07/2019	19/07/2019	20/07/2019	362

[View File](#)**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
Awareness Program on "Essential Steps for Preventing Sexual Harassment in Work place"	18/03/2020	18/03/2020	37	Nil
International Women's day	08/03/2020	08/03/2020	101	Nil
Women Empowerment	25/02/2020	25/02/2020	66	Nil
Beti	20/02/2020	20/02/2020	95	Nil

Bachao, Beti Padho, Will It Abolish The Orthodox Mindset?				
Role of Women in bringing up Children	19/02/2020	19/02/2020	30	Nil
An Awareness Program On Women security	15/02/2020	15/02/2020	105	Nil
National women's day	13/02/2020	13/02/2020	82	Nil
National Girl Child Day	24/01/2020	24/01/2020	100	Nil
Protest on violence against women, Rape and murder	16/12/2019	16/12/2019	20	Nil
"Legal Rights for Women for Girl Students	27/11/2019	27/11/2019	91	Nil
International Day against violence against women	25/11/2019	25/11/2019	52	Nil
National Cancer Awareness Day	25/11/2019	25/11/2019	63	Nil
Training Program on Martial Arts	04/11/2019	04/11/2019	63	Nil
Do's & Dont's While Travelling	04/11/2019	04/11/2019	35	15
Awareness Program on Health Issues	01/11/2019	01/11/2019	102	Nil
Awareness Program on Best Self Defense for Women	25/10/2019	25/10/2019	35	Nil
Cyber Violence Against Women	21/10/2019	21/10/2019	26	32
International Girl Child Day	11/10/2019	11/10/2019	90	Nil
An Awareness Program On Teenage Health Problems	25/09/2019	25/09/2019	153	Nil
Women	25/09/2019	25/09/2019	34	6

Empowerment				
Personality Development For Girl Students	20/09/2019	20/09/2019	81	Null
Role of Women in Industrial Sector	20/09/2019	20/09/2019	48	Null
Women in Leadership	30/08/2019	30/08/2019	75	Null
Women's Equality Day	26/08/2019	28/08/2019	100	Null
A Report on Awareness Programme on Nutrition Issues-Women Life cycle	07/08/2019	07/08/2019	40	Null
Leadership Development For Women	17/08/2019	17/08/2019	55	Null
An Awareness Program On Women Safety & Security	06/08/2019	06/08/2019	406	Null
Gender Equality Program	26/07/2019	26/07/2019	32	14

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

The average annual energy demand met by the Institution from the installed renewable energy source (solar plant) is 59.45. i.e., Annual Renewable energy (Solar) generated and used 312997 KWh Annual Energy supplied to the grid from Solar 116050 KWh Annual Energy utilized by the college from Solar 196927 KWh

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Braille Software/facilities	Yes	Null
Rest Rooms	Yes	1
Scribes for examination	Yes	Null
Special skill development for differently abled students	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
2020	1	1	17/03/2020	1	Awareness Program on Corona Virus	To assess the knowledge, awareness and attitudes of recently discovered coronavirus disease-19 (COVID-19).	88
2020	1	1	04/02/2020	1	Awareness Program On World Cancer Day	To provide awareness on symptoms of cancer and prevention.	87
2020	1	1	28/01/2020	1	Blood Donation Camp	To generate awareness on Blood Donation and its significance in saving lives during emergencies	173
2020	1	1	25/01/2020	1	National Voters Day	To make the youth aware of voting.	83
2019	1	1	01/12/2019	1	An Awareness Program On Aids Day	To make awareness among the people about antiretroviral medicines which can help them	75

						to fight against HIV infection.	
2019	1	1	31/10/2019	1	Swachh Bharath	Eliminating open defecation through the construction of household-owned and community-owned toilets and establishing an accountable mechanism of monitoring toilet use.	45
2019	1	1	26/10/2019	1	Awareness Rally Against Crackers on the occasion of Diwali	To create awareness on how bursting of fire crackers increases environmental pollution and health hazards	31
2019	1	1	10/10/2019	1	Awareness Rally On World Mental Health Day	To mobilize efforts in support of mental health	98
2019	1	1	30/09/2019	1	An Awareness Program on "How To Prevent Heart Attack"	To raise awareness about cardiovascular disease, including heart disease	100

						and stroke	
2019	1	1	24/09/2019	1	NSS(National Service Scheme) Day	To make awareness on "development of the personality of students	77

[View File](#)

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

Title	Date of publication	Follow up(max 100 words)
Code of Conduct for Stakeholders	07/01/2019	The revised code of conduct Code of Conduct for Students, Teachers, Governing Body, Administration and Support Staff, handbook is published and available in website

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Potti Sriramulu Jayanthi	16/03/2020	16/03/2020	45
PI day on the occasion of birth anniversary of Albert Einstein	14/03/2020	14/03/2020	69
World Radio Day	13/02/2020	13/02/2020	111
Thomas Alva Edison Jayanthi	11/02/2020	11/02/2020	53
World Cancer day	04/02/2020	04/02/2020	63
James Watt Birth Anniversary	03/01/2020	03/01/2020	36
National youth day on the occasion of Birth Anniversary of swamy vivekananda	12/01/2020	12/01/2020	63
National Public Service Broadcasting Day	12/11/2019	12/11/2019	75
IETE Foundation Day	04/11/2019	04/11/2019	100
Rashtriya Ekta Divas(National Unity Day) On the occasion of Birth Anniversary of Sardar Vallabhai	31/10/2019	31/10/2019	118

7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. Students and staff using bicycles, public transport and pedestrian friendly roads
2. Plastic-free campus
4. Green landscaping with trees and plants
5. Eco-friendly events like Ganesh Chathruthi using eco-friendly Ganesh idols.
6. Awareness posters and pamphlets are displayed in prime locations of the campus.
7. Conducting awareness programs to staff and students regarding eco-friendly events like rain water harvesting, plastic free, pollution, green campus etc.
8. College announced that they will not allow selling bottled water in the campus.
9. During the fests, we have popularized green practices by encouraging use of eco-friendly alternatives.
10. Institute maintains tree plantation programs and develop healthy environment to safeguard the health of all the inmates.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice -I

1. Title of the Practice: Community Reach through NSS
2. Objective: The main objective of this initiative by the staff and students of the college is to reach out to the necessities of the society at large and to give back to the community. Creating awareness in the public on several issues they face in their day to day life, helping economically backward people, orphans and old age persons etc. are some of the initiatives taken up to contribute to the society.
3. The Context: There is a growing tendency in present academia to reach out to the society at large and contribute to the wellbeing and betterment of living conditions prevailing in society. Some of the Students and staff of the college are voluntarily coming forward to contribute to remove disparity in different areas. The most important arenas in which contribution is made are giving financially aid, bringing awareness on several issues etc. NSS unit of Narayana Engineering College, Nellore is thus a collective initiative of students and staff of the college to understand social problems troubling immediate local community in and around Nellore to integrate these issues with academic study.
4. The Practice: To inculcate qualities of charity, brotherhood and kindness to fellow human beings, college initiated various programmes meant specifically for the uplifting of community in Nellore district. Blood donation programmes organized by the students and staff for Blood Bank, Medical Association, Nellore is an exemplary social service practice. Awareness programmes on dengue fever, Right to information act, Anti ragging, legal literacy and cashless transactions. Blood donation camps in association with Red Cross, Rotary and Medical college, medical camps, dental camps and awareness on child education, plantation of trees, repairing roads are also taken up in the adopted villages/rural areas. Financial helps to the needy people, orphanages, and oldage homes. Visiting old age homes and homes of physically challenged individuals is another activity carried out for students under the guidance of teachers. During every Semester, students and staff of the college visit old age homes and understand their living conditions and help them to lead a better life. Our teachers and students are familiar to the inmates of Mother Theresa old age Home as they regularly go there and interact with the inmates. Activities initiated by the NSS unit are Tree plantation, repairing of roads, Clean and green activity, awareness programs on clay Ganesh, pollution free diwali celebrated every year for Poor students. Mainly through the initiative of NSS unit, college observes all important national and international days of social importance like First- Aid- Day, Human Rights Day, International Women's Day, Mental health day, global hand washing day, national unity day, voters day, International yoga day etc in the campus and at times extended to beyond the campus. The various programmes associated with these

days are like rallies, camps, distribution of medicines, conducting seminars are organized in order to develop awareness on social issues to students and the general public. Programmes on Swatch Bharat, Road safety, Nutrition week are also organized. 5. Evidence of Success: The various programmes under NSS unit initiative have been successful in educating humanity and charity in the students. These programmes are highly successful in bringing awareness in students and public on community living. College and students are given number of awards for various outreach activities. Patients and poor people who are benefitted from various outreach programmes themselves are testimony to the success of those programmes. The observance of various national and international important days is instrumental in spreading basic awareness in the students. The awesome response from the society and those who received help from the College is an important factor that encourages the students to continue their activities. 6. Problems Encountered and Resources Required:

Usually general public has a tendency to look down upon the awareness programmes conducted by the students. So was a challenge in the beginning to involve general public to these activities. Students are finding it difficult to balance academic schedules and extension activities, simultaneously.

Financial constraints also have restricted the activity to areas in and around the college, Lack of interest in some students, Funds mobilization etc have created some problems in providing extension activities. Best Practice- II 1.

Title of the Practice: Students' Academic Excellence in teaching learning process 2. Objective: Departments in the college are actively involved in improving the overall results and academic excellence of students. Apart from regular classes remedial classes/coaching for slow learners and various other academic related programmes for advanced learners, are being conducted for achieving academic excellence. 3. The Context: As our college is located in rural area and due to socio-economic disparity, students of the college come from various backgrounds and with different abilities of learning. To improve the performance of the weak students, extra classes are conducted where ever necessary. Though some of the students have good knowledge and good understanding levels they are not in a position to avail the opportunities of learning latest technologies due to lack of exposure to career opportunities and training. 4. The Practice: To improve the performance of students the following programmes were initiated: Slow learners: • Apart from regular classes Remedial classes are arranged for slow learners for improving their performance. Remedial Coaching is also given to those underperformed in end semester exams of the university. Remedial coaching is conducted during extra hours to clear the backlogs. • Tutorial classes are conducted in every subject to understand the subject better. Based on the student's requirements topics are taught in tutorials. • Teachers take extra classes to revise the difficult concepts for better understanding. The parents of slow learners are given information about their wards performance periodically. Peer learning and group interaction is encouraged involving meritorious students. Question bank with key is provided CDF Program (Concepts, Definitions and Formulae) is conducted for Engineering Mathematics, Physics and Chemistry. Advanced Learners: • Soft skills training Programme, coding skills development, entrepreneurship awareness programmes are organized are arranged for advanced learners. •

Special placement training to excel in placements is given by reputed organizations. • Gate coaching is given by Eminent and well known faculty from reputed institutes on Saturdays and Sundays. Students who underwent these courses have performed better in competitive exams. Certificate Courses are also conducted for advanced learners. Extra books are provided in the library. Additional Assignments. • They are encouraged to refer NPTEL videos, e-books etc Encouraged advanced learners to participate in workshops, conferences and symposia. 5. Evidence of Success: Increase in the pass percentage clearly indicates the success of remedial coaching and remedial classes. Because of remedial coaching the success rate in the university supplementary examination

has improved. Because of the remedial classes the overall pass percentage in the university end exams has increased. The guidance given to the advanced learners has helped them to excel in their participation in various activities like conferences and symposia. The number of students pursuing higher studies in institutions and universities of academic excellence is good. The training programmes for students have given them new academic and communication skills equipping them to face campus interviews and in 300 students getting jobs through campus interviews. Overall these support programmes have helped in improving the quality of teaching learning process. 6. Problems Encountered and Resources Required: Due to the hectic schedules given by the university we are encountering challenges to find time slots for conducting remedial classes. In spite of this difficulty we are somehow able to conduct the remedial classes. Some of the students are finding it difficult to attend remedial coaching before supplementary exams

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<http://necn.ac.in/IQAC/Inst-Best-Pra-18-19.pdf>

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

The vision of Narayana Engineering College, Nellore, is to be one among the premier institutions of the country in producing ethically strong and technically sound Engineers and Managers to serve the nation. Based on the vision, priority and thrust, the institute consistently provides the best learning experience, to the most productive learning community and in the most creative learning environment in engineering education and to produce socially responsible engineers and managers. In line with the institute's mission statement and to accomplish the vision and translate it into a reality, the institution has been using the best teaching learning methodologies like participative learning, experiential learning etc. These learning methodologies can be obtained through industry interactions. The industrial collaboration is strengthened to imbibe professional qualities in students for making them conversant with industrial practices. Interaction between institutes and industry is the need of the hour. For students it is important because they get exposure to industry and in getting subsequent placement in various disciplines. Industries are also in need of good students who are well versed with industry standards and capable of achieving those standards. Therefore, there is every need for interaction of industry and academics where academic institutes can prepare students for jobs in multinational companies and industry will also be benefited with the possibility of getting well-trained students. Hence bridging the gap between industry and the institute is a must, to achieve this objective an Industry Institute Interaction Cell (IIIC) was established in the institution. The objective of the industry interaction cell is to cultivate strong links with industry, promote various activities by faculty and students. To provide continuing education, with the help of persons working in industries so that they can improve their technical knowledge. Around 74 plus activities were conducted under Industry interaction cell during the last five years. The industrial collaborations also help in leaning competent core technological skills in respective thrust areas. This is mainly done to enhance the practical learning experience of students beyond the theoretical academic structure of the curriculum and it also helps to enhance the industry institute interactions.

Provide the weblink of the institution

http://necn.ac.in/IQAC/Institutional_Distinctiveness.pdf

8.Future Plans of Actions for Next Academic Year

1. Stepping towards to get Autonomy status. 2. Stepping towards National Board of Accreditation (NBA) accreditation. 3. Encouraging students to come out with Innovative ideas and Start-up proposals 4. Publishing papers in peer-reviewed reputed journals indexed in SCI/SCOPUS. 5. Faculty to apply for financial assistance from the out sources for organizing Seminars / FDPs /Conferences/ Workshops and research projects. 6. Encouraging faculty members to enhance their teaching learning abilities 7. Encouraging faculty to publish patent publications 8. More focus on Programming and Technical Skills 9. Strengthening mentoring and personal support for students 10. Strengthening the OBE implementation