Yearly Status Report - 2018-2019

<table>
<tr><td colspan="2" align="center">Part A</td></tr>
<tr><td colspan="2">Data of the Institution</td></tr>
<tr><td>1. Name of the Institution</td><td>NARAYANA ENGINEERING COLLEGE</td></tr>
<tr><td>Name of the head of the Institution</td><td>G. Srinivasulu</td></tr>
<tr><td>Designation</td><td>Principal</td></tr>
<tr><td>Does the Institution function from own campus</td><td>Yes</td></tr>
<tr><td>Phone no/Alternate Phone no.</td><td>0861-2313842</td></tr>
<tr><td>Mobile no.</td><td>9912355501</td></tr>
<tr><td>Registered Email</td><td>necnellore@necn.ac.in</td></tr>
<tr><td>Alternate Email</td><td>principal_n@necn.ac.in</td></tr>
<tr><td>Address</td><td>NARAYANA AVENUE, MUTHUKUKUR ROAD, A K NAGAR POST, NELLORE, A.P.</td></tr>
<tr><td>City/Town</td><td>Nellore</td></tr>
<tr><td>State/UT</td><td>Andhra Pradesh</td></tr>
<tr><td>Pincode</td><td>524004</td></tr>
</table>

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.	**9100051624**
Registered Email	**necnellore@necn.ac.in**
Alternate Email	**iqac@necn.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.necn.ac.in

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://necn.ac.in/IQAC/Academic%20Calendar.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

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
Awareness Program on	**22-Apr-2019** **2**	**850**

One day Seminar on	07-Mar-2019 1	70
One Week FDP on	19-Jan-2019 5	62
Choice Based Credit System in HEI	24-Dec-2018 1	51
Workshop on	03-Nov-2018 1	67
One Day Seminar on	17-Sep-2018 1	82
Two Day Workshop on	21-Jul-2018 2	63
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
Narayana Engineering College	PMKVY	Central Government	2018 180	220288.38
Narayana Engineering College	PMKVY	Central Government	2019 180	934177.28
View File				

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 :	2
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)

? Academic and Administrative Audit ? ISO9001:2015 Certification obtained in

August / September 2018. ? The Institution is Accreditated by NAAC with A grade and stepping towards Autonomous Institution. ? Soft skill programmes and personality development programmes for students proposed by IQAC have helped significant increase in placements. ? All the courses taught have been covered under OBE and the faculty implemented.

View File

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
ISO 9001:2015 Certification	Institute was certified by ISO.
To review NAAC framework documentation	Review meetings were conducted by NAAC Coordinator / Principal every fortnight. Expert talks were arranged on preparation for NAAC Visit. Institute achieve NAAC 'A+' grade with CGPA of 3.41.
Research promotion in the Institute	Faculty were encouraged to pursue research and to publish papers in Journals of International Standards. The quality and quantity of research papers increased.
To increase the number of Soft skill and CRT programmes	The number of Soft skill and CRT programmes were increased which helped in substantial increase of placements
To introduce technical magazines in the college	Technical magazines were published by all departments. Students and Faculty actively participated and published articles in technical magazines.
To increase Guest Lectures and Workshops on recent trends in Engineering and Technology	The number of guest lectures and workshops increased substantially and Students could understand the advanced topics and present technical papers in Symposia, workshop / conferences.
Adopting outcome based education	All the courses taught have been covered under OBE and each of the faculty have been required to work towards the achieving the targets set.
View File	

14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
GOVERNING BODY	30-Nov-2019

15. Whether NAAC/or any other accredited	Yes

body(s) visited IQAC or interacted with it to assess the functioning ?	
Date of Visit	**31-May-2019**
16. Whether institutional data submitted to AISHE:	**Yes**
Year of Submission	**2019**
Date of Submission	**21-Jan-2019**
17. Does the Institution have Management Information System ?	**Yes**
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**The institute has an effective Management Information System. The modules under operation are ? STUDENT INFORMATION SYSTEM ? LIBRARY INFORMATION SYSTEM ? INVENTORY MANAGEMENT SYSTEM ? FINANCE AND ACCOUNTS MANAGEMENT SYSTEM ? EXAMINATION MANAGEMENT SYSTEM Modular Details of the Student Information System are: ? Student admission report ? Student Information Module ? Student Database Module ? Advanced Search Module ? SMS sent reports module Modular Details of the Library Information System are: • Library management system provides all the necessary information about all the books. • Issues and returns. • Student wise transactions. Inventory Module Deals with stock related data which includes: • 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 from respective in charges • Requisitions raised by department can be tracked online. • Item wise usage analysis can be done. Modular Details of the Examination Management System are: • Internal and external marks report • Student attendance report • Student performance analysis report Modular Details of the Finance and Accounts Management System are: • Student tuition fee payments and dues. •**

Examination fee payments and dues •
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

The curriculum is adopted as per the university norms as our institution is affiliated to Jawaharlal Nehru Technological University Anantapur (JNTUA). The action plan for effective implementation of the curriculum is as follows: 1. The Head of the Departments conduct staff meeting and allot subjects based on their preference, one month prior to month commencement of the academic year/semester. During this one month, the faculty prepares the course file (includes course notes, Question Banks, E-Learning materials etc) in advance. 2. The College Academic Committee (CAC) meeting is conducted after the commencement of the academic year, to prepare institutional/College academic calendar based on the academic schedule published by JNTUA considering the Curricular and co-curricular activities, Teaching hours, no of working days in first spell and second spell available for course delivery and Holidays. College Academic Calendar is prepared as per the University academic schedule and 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. 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. 3. The faculty circulates the prepared course plan which includes course outcomes, CO-PO mapping, reference books, E-Learning resources, lecture schedule based on working hours, etc meeting the Vision and Mission of the Department which match with the Institutional Vision and Mission. 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 4. The Course delivery and syllabus completion status is monitored through formal and informal means. Guest lectures, workshops, Seminars, Industrial visits and Internships are conducted to enrich the curriculum. Certificate courses and Value added programmes are conducted to bridge the gap between the industry and Institute. 5. Slow and advanced learners are identified based on the performance in the examinations. Advanced learners are motivated to take up innovative projects, publishing research papers, participating in symposiums, workshops and conferences. Extra classes are also conducted to teach topics beyond syllabus for advanced learners. Slow learners are given special attention by conducting Remedial classes, extra classes, assignments, peer learning etc for each subject. Tutorial classes are conducted in tutorial hours. 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
NI LAB VIEW	Nil	29/10/2018	4	Employability	DESIGN SOFTWARE

EMBEDDED SYSTEMS	Nil	09/09/2018	4	Employability	EMBEDDED SYSTEMS
Programming In C	Nil	12/07/2018	120	Employability	C LANGUAGE
Programming In CPP	Nil	12/07/2018	120	Employability	CPP
Programming In C	Nil	12/07/2018	120	Employability	C LANGUAGE
Programming In CPP	Nil	12/07/2018	120	Employability	CPP
Programming In Java	Nil	12/07/2018	120	Employability	JAVA
Fundamentals of python	Nil	19/02/2019	5	Employability	PYTHON
Web Design Using PHP	Nil	04/02/2019	5	Employability	PHP
PCB Design and Fabrication	Nil	24/09/2018	4	Employability	PCB Design
IOT	Nil	11/02/2019	4	Employability	INTERNET OF THINGS
Machine Learning	Nil	04/02/2019	5	Employability	MACHINE LEARNING
Full Stack Developer	Nil	09/07/2018	5	Employability	FULL STACL DEVELOPER TOOL
R- Programming	Nil	08/10/2018	5	Employability	R- Programming
Certificate Course on Fundamental Analysis	Nil	25/08/2018	7	Employability	STOCK MARKET
Certificate Course on Total Quality Management	Nil	04/02/2019	6	Employability	HR PRACTICES
Certificate Course on Financial Technologies	Nil	25/03/2019	6	Employability	BANKING SECTOR

Programming In CPP	Nil	12/07/2018	120	Employability	CPP
Certificate Course On AUTOCADD	Nil	06/08/2018	5	Employability	AUTOCADD
Certificate Course On SOLID EDGE	Nil	11/03/2019	6	Employability	SOLID EDGE
Certificate Course On Building Sketchup	Nil	04/02/2019	5	Employability	Building Sketchup SOFTWARE
Electrical Design Installation	Nil	08/10/2018	6	Employability	ELECTRICAL DESIGN
Electrical Estimation Costing	Nil	05/03/2019	5	Employability	ESTIMATION COSTING
Distribution Controllers Automation	Nil	01/04/2019	5	Employability	PSPICE
Certificate course on LS DYNA-HYPERMESH	Nil	29/09/2018	6	Employability	HYPERMESH
Siemens Certificate Programme on NC programming	Nil	18/03/2019	6	Employability	PROGRAMMING
Siemens Certificate Programme on ROBO CAD	Nil	18/03/2019	6	Employability	ROBO CAD
EMBEDDED SYSTEMS USING ARM-Mbed	Nil	11/03/2019	4	Employability	EMBEDDED SYSTEMS
PCB Design and Fabrication	Nil	20/02/2019	4	Employability	PCB DEIGN

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Mtech	Computer Science &	05/09/2018

	Engineering	
Mtech	Electrical Power Systems	05/09/2018
BTech	Electronics & Instrumentation Engineering	02/07/2018
BTech	Computer Science & Engineering	02/07/2018
BTech	Electronics & Communication Engineering	02/07/2018
BTech	Mechanical Engineering	02/07/2018
BTech	Electrical & Electronics Engineering	02/07/2018
BTech	Civil Engineering	02/07/2018
Mtech	VLSI	05/09/2018
MCA	MCA	16/08/2018
[View File](#)		

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
MBA	MBA	16/08/2018
MCA	MCA	16/08/2018
BTech	Civil Engineering	02/07/2018
BTech	Electrical & Electronics Engineering	02/07/2018
BTech	Mechanical Engineering	02/07/2018
BTech	Electronics & Communication Engineering	02/07/2018
BTech	Computer Science & Engineering	02/07/2018
BTech	Electronics & Instrumentation Engineering	02/07/2018
Mtech	Electrical Power Systems	05/09/2018
Mtech	Computer Science & Engineering	05/09/2019
Mtech	VLSI	05/09/2019

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

	Certificate	Diploma Course
Number of Students	2330	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	15/02/2019	52
REVIT	11/02/2019	54
Soft skills -1	02/07/2018	47
MATLAB and its Applications in Electrical Engineering	14/08/2018	101
PLC SCADA	20/08/2018	110
Electrical Designing	21/02/2019	72
Advanced Electrical drives Automation	25/03/2019	97
Soft skills -2	02/07/2018	91
Value added course on NDT	30/07/2018	45
Value added course on CFD TOOLS	18/02/2019	70
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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	76
BTech	Electrical & Electronics Engineering	157
BTech	Mechanical Engineering	73
BTech	Electronics & Communication Engineering	130
BTech	Computer Science & Engineering	136
MBA	Management	148
MCA	Computer Applications	73
BTech	Electronics & Instrumentation Engineering	22
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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
The feedback process of the Institution for curriculum improvement is mentioned below: a) Feedback Collection b) Feedback Analysis c) Action Taken Reports A. Feedback Collection: The institution has established a system of collecting feedback on curriculum from the students in all courses twice in a semester 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. Feedback for curriculum improvement has been taken from various stakeholders like 1) Student 2) Faculty 3) Parent 4) Alumni and 5) Employer Principal releases a circular to HODs desiring to collect the feedback from the stake holders on curriculum for the period ending of odd and even semester from the stake holder. The HODs collects the feedbacks from stakeholders for the completed semester. B. Feedback Analysis: A Committee comprising of faculty members is constituted by HOD to analyze the feedback collected from stake holders. After the Structured feedback received for Design and Review of syllabus Semester wise from 1) Students, 2) Teachers , 3) Alumni , 4) Parents and 5) Employers .Committee analyses the feedback so collected and submits a consolidated report biasing on the feedback. As our college is an affiliated college therefore the curriculum prescribed by the university is followed. But to provide the latest knowledge to our students the curriculum gap has identified by collecting the feedback from our stakeholders in structured feedback form. Under this some of the questions were asked mainly to stakeholders like Overall opinion about content of syllabus. The analysis of odd and even semesters will be done. C. Action Taken: After the feedback/suggestions collected from different stakeholder's action has been taken in two different 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	24	4	4
Mtech	VLSI	18	10	10
Mtech	Electrical Power Systems	24	6	6
MCA	MCA	60	47	47
MBA	MBA	180	134	134
BTech	Computer Science Engineering	120	120	120
BTech	Electronics & Communication Engineering	120	120	120
BTech	Mechanical Engineering	60	54	54
BTech	Electrical &	120	91	91

	Electronics Engineering			
BTech	Civil Engineering	60	47	47

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	1972	525	110	36	Nill

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used
146	134	12	41	8	10

<div align="center">View File of ICT Tools and resources</div>

<div align="center">View File of E-resources and techniques used</div>

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

Mentors are appointed to resolve day to day problems of the students, for a batch of 20 students, and mentors will counsel the respective students twice(2) in a month to solve the problems come across during their course of study Objectives of mentoring are: • Counselling 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 of the system: • The number in detention of students has decreased consistently. • In course of direct communication between mentor and the student there was a good improvement in the teacher-student relationship. • The attendance percentage of the students has increased to a greater extent. • The above resulted in attaining a better academic performance

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2497	146	1:17

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	Nill	36	27

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,	Designation	Name of the award, fellowship, received from Government or recognized

	international level			bodies
2019	Dr.A V S PRASAD	Professor		Governing Body-NECG
2019	Dr. K MURALI	Professor		Executive Council- JNTUA
2019	Dr.G KANNAN	Professor		Board of Studies-SITAMS
2019	Dr.A V S SREEDHAR KUMAR	Professor		Board of Studies-SVCET
2019	Dr.G VENKATESWARLU	Professor		Board of Studies-AITAM
2019	Mr.M MURALIDHAR	Professor		Research Advisory Committee- NMC
2019	K.Vinay Kumar	Associate Professor		Active participation Award by Indian Red-Cross Society
2019	Dr.A.V.S Sreedhar Kumar	Professor		Meritorious service in the field of Education by Lions Club
2019	Dr.K.S.Sagar Reddy	Professor		Social service Award by Inner Wheel Club
2019	A.Prasad Reddy	Assistant Professor		Best Blood Donor Award by Indian Red Cross Society
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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	05/01/2019	18/04/2019
MBA	MBA	1/1	05/01/2019	18/04/2019
BTech	B.Tech	2/4	30/04/2019	16/05/2019
BTech	B.Tech	2/3	01/06/2019	08/08/2019
BTech	B.Tech	2/2	01/06/2019	31/08/2019
BTech	B.Tech	2/1	01/06/2019	20/09/2019
BTech	B.Tech	1/4	06/12/2018	19/01/2019
BTech	B.Tech	1/3	06/12/2018	30/01/2019
BTech	B.Tech	1/2	06/12/2018	26/02/2019
BTech	B.Tech	1/1	06/12/2018	12/03/2019
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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. Setting of IE question paper: 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. 2. Unit Tests: 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. 3. Multiple Choice Questions (MCQs)/Objective Tests: The college has introduced Objective tests during the mid exams. 4. Answer book showing and display of results: 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. 5. The evaluation process helps to ensure an improvement in the student academics. 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. The stakeholders of the institute are made aware about the evaluation process by following means: ? Course Structure and syllabus of respective programme is displayed on University website and on department notice board. ? 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. ? Continuous evaluation of practicals. ? Information of internal examination evaluations and results to the students. Class teachers and subject teachers inform students about evaluation process. ? Conduction of theory and practical classes as per JNTUA, Ananthapuramu guidelines. Additional teaching hours are included for difficult subject

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

1. 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. 2. The CIEs are scheduled and conducted as per the academic calendar. 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. The external exams are conducted as per the schedule given by the Exam Center of university. 3. 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. 4. Once received the academic calendar from University, the academics 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. 5. The academic calendar is circulated to all the faculty and students. It is displayed and uploaded on college website for further reference. 6. 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://www.necn.ac.in/ECE/peo.php

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
MTech	Mtech	VLSi	16	14	87.50
MTech	Mtech	EPS	13	12	92.31
MCA	MCA	Compute Application	48	24	50.00
MBA	MBA	Business Administration	172	141	82
BTech	BTech	EIE	27	6	22.22
BTech	BTech	CSE	104	86	82.69
BTech	BTech	ECE	114	80	70.17
BTech	BTech	MECHANICAL	54	45	83.33
BTech	BTech	EEE	111	90	81.08
BTech	BTech	CIVIL	54	31	57.40
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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-18-19.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	00	0	0	0
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Latest trends in Office Administration	MBA	29/10/2018
One Day Workshop on OBE: Course Outcomes, CO-PO mapping and attainment of COs POs	IQAC	03/11/2018
A Three Day Workshop on Engineering Applications With MATLAB	ECE	05/11/2018
CBCS in HEIs - Implementation and	IQAC	24/12/2018

Challenges		
One day training on "Digital Storage Oscilloscope (DSO)"	ECE	27/12/2018
Training Program on Photoshop	CSE	02/01/2019
A one-day workshop on laboratory Instruction in Material testing	CIVIL	09/02/2019
One Day seminar on Teaching Pedagogy	IQAC	07/03/2019
One day work shop on "Estimation and Installation of Electrical Wiring" For Non-Teaching Staff	EEE	20/04/2019
Training Program on Introduction to MS-Office	MCA	29/04/2019
Inter disciplinary thinking skills for Non-Teaching staff	MECH	06/06/2019
Training Program on Hardware Trouble shooting	CSE	15/06/2019

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
NA	NA	NA	Nill	NA

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
NA	NA	NA	NA	NA	Nill

No file uploaded.

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	20	15

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

Name of the Department	Number of PhD's Awarded
NA	Nill

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Civil Engineering	11	0
International	Computer Science	35	0

	and Engineering		
International	Electronics and Communication Engineering	45	0
International	Electrical and Electronics Engineering	48	0
International	Electronics and Instrumentation Engineering	7	0
International	Mechanical Engineering	10	0
International	MBA	15	0
International	MCA	12	0
[View File](#)			

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
Civil Engineering	4
Computer Science and Engineering	9
Electronics and Communication Engineering	10
Electrical and Electronics Engineering	8
Electronics and Instrumentation Engineering	4
FED	4
Mechanical Engineering	7
MCA	4
MBA	28
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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
0	0	0	2018	0	0	Nill
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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	000	0	2018	Nill	Nill	0

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

Number of Faculty	International	National	State	Local
Presented papers	4	5	1	Nill
Attended/Seminars/Workshops	1	5	11	2

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
DISASTER MANAGEMENT	INDIAN RED CROSS SOCIETY	9	62
WORLD HEART DAY	NARAYANA MEDICAL COLLEGE HOSPITAL, NELLORE	10	71
WORLD FIRST AID DAY	INDIAN RED CROSS SOCIETY	9	65
AWARENESS PROGRAM ON CLAY GANESH	ROTARY CLUB,NELLORE	8	58
WORLD SUICIDE PREVENTION DAY	NSS UNIT, NECN	5	65
KERALA FUND RAISING PROGRAM	NSS UNIT, NECN	5	35
WORLD SENIOR CITIZEN DAY	LIONS CLUB, NELLORE	5	53
ORGAN DONATION DAY	NARAYANA MEDICAL COLLEGE HOSPITAL, NELLORE	8	112
LLR MELA	RTA, NELLORE	10	105
VANAMAHOTSAV	NELLORE MUNICIPAL CORPORATION	6	55

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
Blood Camp	Best Blood Donor Award	Indian Red Cross Society	1
Service	Best Service Award	Narayana Medical College Hospital,Nellore	1
NSS Volunteer	Best NSS	Pinakini Youth	1

	Volunteer Award	Welfare Association, Nellore		

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3.4.3 – Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
NSS	FIRE SERVICE DEPARTMENT, NELLORE	AWARENESS PROGRAM ON FIRE ACCIDENTS	7	69
NSS	INDIAN RED CROSS SOCIETY	DISASTER MANAGEMENT	9	62
NSS	NARAYANA MEDICAL COLLEGE HOSPITAL, NELLORE	WORLD HEART DAY	10	71
NSS	INDIAN RED CROSS SOCIETY	WORLD FIRST AID DAY	9	65
NSS	ROTARY CLUB,NELLORE	AWARENESS PROGRAM ON CLAY GANESH	8	58
NSS	NSS UNIT, NECN	KERALA FUND RAISING PROGRAM	5	35
NSS	LIONS CLUB, NELLORE	WORLD SENIOR CITIZEN DAY	5	53
NSS	NARAYANA MEDICAL COLLEGE HOSPITAL, NELLORE	ORGAN DONATION DAY	8	112
NSS	RTA, NELLORE	LLR MELA	10	105
NSS	NELLORE MUNICIPAL CORPORATION	VANAMAHOTSAV	6	55

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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Certificate Course:Building Sketchup	Students	Assistive CADD Center, Nellore	5
Value Added Course:Building Modeling by using 3Ds Max	Students	Assistive CADD Center, Nellore	4
Certificate Course:AUTO-CADD	Students	Yucan Technologies Pvt.Ltd, Bangalore	6

Industrial Visit:Industrial visit to Guru raghavendra ready mix plant	Students	Guru Raghavendra, Ready mix,Nellore	1
Value Added Course:Revit	Students	Mayinkrish Ventures Pvt.Ltd, Hyderabad	5
Workshop:Java Script Frame Work	Students	New Dimension Software Solution, Kanchipuram - 631501, Tamilnadu	1
Seminar:Use of Python in Real World	Students	Yucan Technologies Pvt. Ltd., Bangalore	2
Seminar:Big Data Handoop Technology	Students	Yucan Technologies Pvt. Ltd., Bangalore	1
Workshop:Ethical Hacking Cyber Security	Students	Indian Servers, Vijayavada	2
Value Added Course:Hive Query Language big data	Students	VSS Innovations, Bangalore	11

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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
Intership	Industrial Linkage	Satish Dhawan Space Centre SHAR , Sriharikota, Nellore Dt.524121	13/12/2018	02/01/2019	Students
Intership	Industrial Linkage	Telugu Ganga Project, Govt. of AP, Nellore	26/12/2018	07/01/2019	Students
Intership	Industrial Linkage	Viswak Con structions, Achari street, Nellore	17/12/2018	29/12/2018	Students
Intership	Industrial	VR Constru	19/12/2018	31/12/2018	Students

		ctions ,11-330C Anjinaya Swamy Temple, Santhapetta, Nellore			
Intership	Industrial Linkage	Anjanadri Builders Valuers, Dadi vari street ,Nellore	20/12/2018	31/12/2018	Students
Industrial Visit	Industrial Linkage	BM Constructions, VSR Complex, Opposite Collector Office, Nellore.	16/03/2019	16/03/2019	Students
Industrial Visit	Industrial Linkage	Modern Constructions, KAC Plaza, Besides Nartaki Theatre , Nellore	02/02/2019	02/02/2019	Students
Industrial Visit	Industrial Linkage	SR Builders, R.R.Street, Nellore	10/06/2018	10/06/2018	Students
Industrial Visit	Industrial Linkage	Nellore Municipal Corporation, Nellore	18/08/2018	18/08/2018	Students
Industrial Visit	Industrial Linkage	Veguru Developers, Trunk Road, Nellore, 0861-2328890	28/07/2018	28/07/2018	Students
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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
NEXGEN 3D Printing Pvt.Ltd, Chennai	03/10/2018	Workshop:3D Printing Applications in Modern Era	44
Indian Servers, Vijayavadabad	28/01/2019	Workshop:Ethical Hacking Cyber Security	53

RK Industrial Automation Services Training, Guntur	25/11/2018	FDP:A Three Day FDP on Advanced PLC Programming	27
Prolific Systems Technologies Pvt Ltd, An AI Tanmiya Group(Kuwait) company, Panjagutta, Hyderabad	20/01/2019	Technical Talk:Power system Planing Deregulation	106
VSS Innovations, Bangalore	19/11/2018	Value Added Course:Hive Query Language big data	37
Millenium University Africa	30/03/2019	Guest Lecture:Recent Trends in HRM-Global Approach	128
Thinkcampus P.V.T, Nellore	06/12/2018	Value Added Course:Visual Data Mining Techniques	49
Guru Raghavendra Ready mix Nellore	10/07/2018	Industrial Visit:Industrial visit to Guru raghavendra ready mix plant	55
AMI Engineering and Infrastucture Nandyal	07/08/2018	Workshop:3D Printing Applications in Modern Era	44
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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
25000000	24237102

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
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh)	Existing

	during the current year	
Classrooms with Wi-Fi OR LAN		Existing

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4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
NARAYANA LIBRARY MANAGEMENT SYSTEM	Fully	2.0	2007

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	28192	3205052	Nill	Nill	28192	3205052
Reference Books	7602	807552	Nill	Nill	7602	807552
e-Books	123000	104607	Nill	Nill	123000	104607
Journals	1772	1189165	Nill	Nill	1772	1189165
Digital Database	1	13570	Nill	Nill	1	13570
CD & Video	2529	8750	Nill	Nill	2529	8750
Weeding (hard & soft)	426	Nill	Nill	Nill	426	Nill
e-Journals	18101	561792	Nill	Nill	18101	561792
e-Journals	Nill	Nill	Nill	Nill	Nill	Nill

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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. Neelima	Functional English	LMS (Moodle)	07/02/2018
Sk. Sofia	Computer Programming	LMS (Moodle)	07/02/2018
S. Mounika	Building Materials Construction	LMS (Moodle)	07/02/2018
A. Prasad	Electrical Machines-I	LMS (Moodle)	07/02/2018
KNYS Madhuri	Control Systems	LMS (Moodle)	07/02/2018

	Engineering		
G Ajit Kumar Reddy	Mechanics of Solids	LMS (Moodle)	07/02/2019
D. Sreelakshmi	Probability Theory Stochastic processes	LMS (Moodle)	07/02/2019
J. Sunil Kumar	Signals Systems	LMS (Moodle)	07/02/2019
R Navateja Reddy	Data Base Mnagement Systems	LMS (Moodle)	07/02/2019
B. Suneel kumar	Discrete Mathematics	LMS (Moodle)	07/02/2019
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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)

90 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	NA

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
5000000	4804362	13000000	13753525

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	413	7296200
Financial Support from Other Sources			
a) National	Government Scholarship	1648	63989100
b)International	Nill	Nill	Nill
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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	Date of implemetation	Number of students	Agencies involved

enhancement scheme		enrolled	
Soft Skills	02/07/2018	430	NECN Faculty
Communication English	06/08/2018	257	NECN Faculty
Business Communication	16/08/2018	101	NECN Faculty
Remedial coaching for MBA	07/11/2018	216	NECN Faculty
Remedial coaching for MCA	18/06/2018	158	NECN Faculty
Remedial coaching for ECE	08/11/2018	307	NECN Faculty
Remedial coaching for EIE	08/11/2018	41	NECN Faculty
Remedial coaching for ME	08/11/2018	105	NECN Faculty
Remedial coaching for EEE	13/12/2018	396	NECN Faculty
Language Lab	05/01/2019	425	NECN Faculty
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Career Guidance and Counselling	741	805	2	160
2018	Career Guidance and Counselling	591	540	1	140
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5.1.4 – Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
3	3	2

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
25	5052	245	8	1989	57

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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2019	1	NEC Nellore	ECE	MSIT Program at IIITH HYD	MSIT
2019	1	NEC Nellore	ECE	IIPM BLR	MBA
2019	3	NEC Nellore	ECE	VIT Chennai	M Tech
2019	2	NEC Nellore	ECE	KCIK NLR	MBA
2019	1	NEC Nellore	EEE	Brahmaiah College Of Engineering Nellore	M TECH
2019	1	NEC Nellore	EEE	Swetha Institute Of Technology And Science	M TECH
2019	2	NEC Nellore	EEE	Audisankara College Of Engineering And Technology	M TECH
2019	2	NEC Nellore	EEE	Gokula Krishna College Of Engineering	M TECH
2019	1	NEC Nellore	EEE	PACE	MBA
2019	1	NEC Nellore	CSE	Great Lakes Institutes of Management Chennai	PGDM
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5.2.3 – Students qualifying in state/ national/ international level examinations during the year (eg:NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	3
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5.2.4 – Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
National level Table-Tennis Tournament 2019	National	140
AP state level inter engineering Colleges volley ball Tournament 2019	State	280
Yuvamohatsavam -2019	College	120
Republic day -Tennikoit,caroms chess and throwball	College	182
National Youth Day- Kabaddi Throw ball tennikoit	National	110
National 2nd level chess (MW) and	National	92
Narayana 5K Run	College	90
Jntua University Volley ball selection	State	250
National Sports day- Volley ball basket ball throwball	National	120
Independnce Day-Basket ball, Table-Tennis,Throwball	College	71
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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	Runner-6 3rd Senior National Kabaddi Ch ampionship 2019	National	12	Nill	16715A0201	S.Harish
2019	Second Place - Festin O Beats 10.0 4th October 2019 ABES Institute of Technology Ghaziabad Uttarprade	National	Nill	1	17711A0341	Mallikar juna

	sh.					
2019	Runners- 11th National Level Volleball Championship Tamilnadu College of Engineering	National	12	Nill	15711A0277	B.Chandu
2018	First Place - AMPLE 2K18 S V College of Engineering Tirupathi	National	Nill	1	17711A0445	Pavani
2018	Winners- National Level Table Tennis Tournament Narayana Egineering college	National	1	Nill	16711A0448	SK.Mubeen taj
2018	Winners- National Level Carrom Tournament Narayana Egineering college	National	2	Nill	17711A0132	K.Vamsi
2018	Runner- National Level Open Rapid Chess Tournament	National	1	Nill	18711A0418	B.V.Bhargavi
2018	Silver Medal – 1st all India inter zonal beach pencak silat championship in guru nanak dev university	National	1	Nill	17711A0341	S.MAllik arjuna

| 2018 | Silver Medal – All India inter university tournament guru Nanak Dev university Amritsar. | National | 1 | Nill | 17711A0341 | S.MAllik arjuna |
| 2018 | Gold Medal – 1st all India inter zonal beach pencak silat cham pionship in guru nanak dev university Amritsar punjab | National | 1 | Nill | 17711A0341 | S.MAllik arjuna |

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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)

Student Council representatives of Narayna Engineering College, Nellore is actively participate in various activities. They perform lot of academic / administrative work with the help of other students. They help in coordinating all the events related to academics, co- curricular Extra-curricular activities, with the guidance of teaching faculty. They also motivate other students to take part in the activities conducted in the Institute. They work as a medium between Principal, faculty and students. 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. Principal 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.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Alumni Association of Narayana Engineering College, Nellore has been functioning since 2003 at the campus. Institute has established "Alumni Association Engineering College Nellore" under Andhra Pradesh Societies of Registration Act, 2001 on date 04/01/2016, NO: AP0246048335. It is functional with Executive members. ? 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:

215

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

36400

5.4.4 – Meetings/activities organized by Alumni Association :

The Alumni Association of Narayana Engineering College, Nellore has been functioning since 2003 at the campus. Institute has established "Alumni Association Engineering College Nellore" under Andhra Pradesh Societies of Registration Act, 2001 on date 04/01/2016, NO: AP0246048335, Narayana Engineering College, Nellore Organized alumni meet on 12.01.2019 at campus. The occasion was graced from last 10 batches and 78 non financial benefits derived from Alumni. The total number of enrolled Alumni of NECN is 215. On the occasion of Alumni Meet, Alumni interacted with Final Year Third year students between 9.30 Am to 11.30 pm and addressed their queries related to career opportunities, higher studies, placement preparation and entrepreneurship.

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)

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. Principal and HODs always welcomes the suggestion and proposals of the faulty-members and committees and transforms them to applicative practices in the college. The In-Charges of different committees including extra-curricular student-centered and student-supporting activities as well as co-curricular activities have operational autonomy. 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. 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.

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
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 is an Integrated Library management System (ILMS) with 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, with reference collection 23365 books, 78 journals, 10178 e-journals Library web OPAC link is provided on college website to students and faculty for searching library materials.
Examination and Evaluation	1. Setting of IE question paper: The Question Papers for the mid exams and unit tests are set by the committee appointed in the exam center. 2. Unit Tests: Unit tests are conducted to students for formative assessment purposes 3. Multiple Choice Questions (MCQs)/Objective Tests: The College has introduced Objective tests during the mid exams. 4. Answer book showing and display of results: The answer books of the students are shown after the assessment for discussion with the students. 5. 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.
Curriculum Development	Institute 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 extra-curricular activities are conducted as per the academic planner.
Teaching and Learning	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. Considering the advancements in technology and need of implementing innovative teaching practices, teachers 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.
Research and Development	Our institute has its own code of ethics to ensure quality and legitimate practices in research which are been published on the institute Website. 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 imbibing research culture among the faculty staff and students.
Human Resource Management	Online Bio-metric system Automated Payroll system was established for effective human resource management employee.
Industry Interaction / Collaboration	Enabling students to aware of real-world phenomena, field visits, internships and invited guest lecturer from industry.
Admission of Students	Transparency is maintained in admission of students and in the Admission policy as per the Government norms (as affiliated to JNTUA). Our institute has internal automated online system for Student Admission and

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

E-governace area	Details
Administration	• 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 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

6.3 – Faculty Empowerment Strategies

6.3.1 – Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	B AKHIB KHAN	THREE DAYS NATIONAL WORKSHOP ON SIMULATION OF ELECTRIC MOTOR	VIT Vellore	3500

		DRIVES-HANDS ON TRAINING VELLORE INSTITUTE OF TECHNOLOGY VELLORE		
2018	K KUMAR	THREE DAYS NATIONAL WORKSHOP ON SIMULATION OF ELECTRIC MOTOR DRIVES-HANDS ON TRAINING VELLORE INSTITUTE OF TECHNOLOGY VELLORE	VIT Vellore	3500
2018	TV SUBBA RAO	THREE DAYS NATIONAL WORKSHOP ON SIMULATION OF ELECTRIC MOTOR DRIVES-HANDS ON TRAINING VELLORE INSTITUTE OF TECHNOLOGY VELLORE	VIT Vellore	3500
2018	U NARESH BABU	THREE DAYS NATIONAL WORKSHOP ON SIMULATION OF ELECTRIC MOTOR DRIVES-HANDS ON TRAINING VELLORE INSTITUTE OF TECHNOLOGY VELLORE	VIT Vellore	3500
2018	D SREELAKSHMI	Two day workshop on Advanced Antenna Design and Applications SR MISTKanchipuram	SRMIST Kanchipuram	3000
2018	J SUNIL KUMAR	Two day workshop on Advanced Antenna Design and Applications SR MISTKanchipuram	SRMIST Kanchipuram	3000
2018	N SHANTI KUMARI	National Conference on Recent	A1 Global Institute of Engineering	3000

Year						
2018	L NAGA LAKSHMI	National Conference on Recent Developments in Engineering A1 Global Institute of Engineering Technology Markapur	A1 Global Institute of Engineering Technology, Markapur			3000
2018	ANV KAMAKSHI NAVEEN	National Conference on Recent Developments in Engineering A1 Global Institute of Engineering Technology Markapur	A1 Global Institute of Engineering Technology, Markapur			3000
2018	S BRAHMA NAIDU	One day workshop on Structural health monitoring VIT Chennai	VIT Vellore			3000

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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	NA	Two day PDP on Coding and hands on experience on CNC milling and turning machines	19/07/2018	20/07/2018	Nill	20
2018	Two Day Workshop	NA	20/07/2018	21/07/2018	63	Nill

	2018	on NBA Accreditation and Preparation of SAR					
	2018	NA	Awareness on Importance of Earthing For Non-Teaching Staff	20/08/2018	20/08/2018	Nill	15
	2018	One Day Seminar on Student Centered Learning Methods	NA	17/09/2018	17/09/2018	82	Nill
	2018	One week FDP on Internet of Things	NA	24/09/2018	29/09/2018	21	Nill
	2018	NA	Latest trends in Office Administration	29/10/2018	29/10/2018	Nill	20
	2018	One Day Workshop on OBE: Course Outcomes CO-PO mapping and attainment of COs POs	NA	03/11/2018	03/11/2018	67	Nill
	2018	A Three Day Workshop on Engineering Applications With MATLAB	NA	15/11/2018	17/11/2018	35	Nill
	2018	FDP on Advanced PLC Programming NEC Nellore	NA	11/12/2018	13/12/2018	37	Nill
	2018	One Week FDP on Mathematical	NA	14/12/2018	19/12/2018	24	Nill

Modelling Applications of CAE Tools in Advanced Manufacturing				

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Presented Paper Titled An Untrusted Data Recovery from Large Data Sets using Recovery Algorithmin ICASET IFERP Akola Bengaluru	3	02/05/2019	03/05/2019	2
A One Week Faculty Development Programme on INTERNET OF THINGS ON POWER SYSTEM ENGINEERING	21	06/05/2019	11/05/2019	6
Two week DST sponsored FDP organized by CSE Dept.Cyber Security and Crypt Analysis and Cyber physical systems Chadhal awadaRamanamma Engineering College Tirupati	1	10/06/2019	22/06/2019	12
FDP on Investment Management	10	17/06/2019	22/06/2019	6
One Week Faculty Development Programme on Applications of Computational Fluid Dynamics	8	24/06/2019	29/06/2019	6

(CFD) in Mechanical Engineering				
FDP ON FINANCIAL DERIVATIVES NARAYANA ENGINEERING COLLEGE GUDUR	12	31/12/2018	05/01/2019	6
One-week FDP on ANSYS in Civil Engineering Applications	9	28/06/2018	03/07/2019	6
FDP on Design of High Performance low power thirsty SOS modules using mentor graphics tools	16	25/06/2019	29/06/2019	5
FDP on Data Science	9	25/06/2019	27/07/2019	3
FDP on Cyber Security	21	24/06/2019	29/06/2019	6
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
36	36	13	13

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Group Mediclaim PolicyCell-Phones BillsAcademic leave for PDP'sFinancial support for PDP'sFinancial support for PublicationsTA DA for Official WorkMembership fee to Professional Chapters EPFESIMedical LeavesMaternity LeavesSubsidized CanteenYoga ClassesBest Teacher AwardIncentives for ranks in university ExamsMedical Consultations in NMCPromotions for acquire Additional QualificationSchool /	TA DA for Official WorkEPFESIMedical LeavesMaternity LeavesSubsidized CanteenAccommodation for Non-Teaching staffYoga ClassesMedical Consultations in NMCSchool / College fee concession in NEIDental Health Checkup camps	Fees Concession, Merit Scholarships

College fee concession in NEIDental Health Checkup camps		

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 (a unit of Narayana Educational Society) ensure that both internal and external audits are conducted on all the aspects of financial functioning of the institute to make sure that the same are carried in a systematic and in an orderly manner, without any deviation from the laid down financial policies and procedures. 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. These both audits' 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. 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. 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.

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
non government funding agencies and individuals	129000	Sponsoring various Programs
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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	EXPERTS FROM	Yes	IQAC

		REPUTED INSTITUTIONS		
Administrative	Yes	EXPERTS FROM REPUTED INSTITUTIONS	Yes	IQAC

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

1) Feedback on Curriculum 2) Support for Internships 3) Support for Industrial visits 4) Support for Placements 5) Parent-Teacher meeting

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

? Latest trends in Office Administration ? Training Program on Photoshop ? Workshop on laboratory Instruction in Material testing ? Work shop on "Estimation and Installation of Electrical Wiring" ? Training Program on Introduction to MS-Office ? Training Program on Hardware Trouble shooting ? Two day PDP on Coding and hands on experience on CNC milling and turning machines ? Awareness on "Importance of Earthing".

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

? Stepping towards Autonomous ? Working towards NBA. ? Increased the use of ICT-assisted teaching-learning methods ? Initiatives for promoting research among faculty members ? Revised set of HR Policies for recruitment, maintenance and retention. ? Academic and Administrative Audit. ? Prepared Annual report of the Institution.

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
2018	Two Day Workshop on "NBA Accreditation and Preparation of SAR"	21/07/2018	21/07/2018	22/07/2018	63
2018	One Day Seminar on "Student Centered Learning Methods"	17/09/2018	17/09/2018	17/09/2018	82
2018	Workshop on "OBE: Course Outcomes, CO-PO mapping and attainment of Cos Pos".	03/11/2018	03/11/2018	03/11/2018	67

2018	Choice Based Credit System in HEI's – Implementation and Challenges	24/12/2018	24/12/2018	24/12/2018	51
2019	One Week FDP on "How to write and Publish a Research Paper"	19/01/2019	19/01/2019	19/01/2019	62
2019	One day Seminar on "Teaching Pedagogy".	07/03/2019	07/03/2019	07/03/2019	70
2019	Awareness Program on "Reinventing MOODLE in students' Perspective"	22/04/2019	22/04/2019	23/04/2019	850

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
A program on Preventive Measures of Exploitation of Women	24/04/2019	24/04/2019	57	Nill
Legal Awareness Program for Women	16/04/2019	16/04/2019	22	Nill
Educational Awareness Programme through Books Distribution	04/04/2019	04/04/2019	28	12
Personality Development Program	02/04/2019	02/04/2019	93	Nill
Women Security	01/04/2019	01/04/2019	43	Nill
Pyramid	29/03/2019	29/03/2019	75	Nill

meditation for women				
A Competition on "Moments with my Mother"	26/03/2019	26/03/2019	78	Nill
Awareness on Domestic Violence for women	23/03/2019	23/03/2019	36	Nill
Gender Equality	16/03/2019	16/03/2019	55	Nill
International Women's Day	08/03/2019	08/03/2019	121	Nill
FEMSPLASH-2K19	23/02/2019	23/02/2019	572	Nill
National Womens Day	13/02/2019	13/02/2019	84	Nill
Program on Self Defense for Women	11/02/2019	11/02/2019	59	Nill
Awarness program on sexual haressement	02/02/2019	02/02/2019	30	Nill
National Girl Child Day	24/01/2019	24/01/2019	65	Nill
World Cancer Awareness Day	06/11/2018	06/11/2018	218	Nill
Training class for Self Protection for women	05/11/2018	05/11/2018	42	Nill
Personality Development Program by Rexona Confidence Academy	23/10/2018	23/10/2018	57	Nill
International Girl Child Day	11/10/2018	11/10/2018	75	Nill
Awareness Program on Teenage Health issues	11/10/2018	11/10/2018	50	Nill
Awareness program on social media bugs for girl students	09/10/2018	09/10/2018	97	Nill
A Safety Awareness	06/10/2018	06/10/2018	31	Nill

Program for Women				
Precautionary measures while travelling	04/10/2018	04/10/2018	40	Nill
Women Empowerment	25/09/2018	25/09/2018	50	Nill
Awareness Program on Women's Health and Hygiene	01/09/2018	01/09/2018	44	Nill
Awareness program on Importance of nutrition food	28/08/2018	28/08/2018	57	Nill
Women's Equality Day	26/08/2018	26/08/2018	73	Nill
Health Awareness Program on Gynic Problems for Women	24/08/2018	24/08/2018	55	Nill
Protection of girl students against misuse of social media	18/08/2018	18/08/2018	50	Nill
Improving Interpersonal Skills	10/08/2018	10/08/2018	60	60
Women's Role in the Society	04/08/2018	04/08/2018	77	Nill
Women's Equality	20/07/2018	20/07/2018	36	9

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 50.44

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	1
Rest Rooms	Yes	1
Scribes for examination	Yes	3
Special skill	Yes	1

development for differently abled students		
Any other similar facility	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	24/11/2018	1	ROAD SAFETY MEASURES	To bring awareness on Road Safety Measures	84
2018	1	1	19/11/2018	1	Awareness Program on Self Toilets	to improve the health of the rural population by addressing the issues of open defecation.	68

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

Title	Date of publication	Follow up(max 100 words)
Code of Conduct for Students, Teachers, Governing Body, Administration and Support Staff	02/01/2018	Published in the college Website http://necn.ac.in/pdf/Code20of20Conduct.pdf

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Dr. B. R. Ambedkar Jayanthi	14/04/2019	14/04/2019	47
Babu Jagjeevan Ram Jayanthi	04/05/2019	04/05/2019	57
Potti Sriramulu Jayanthi	16/03/2019	16/03/2019	64
Netaji Subhas Chandra Bose Birth Anniversary	23/01/2019	23/01/2019	48

National Youth Day On the occasion of Birth Anniversary of Swami Vivekananda	01/12/2018	01/12/2018	254
national Intigration Day On the occasion of Birth Anniversary of Indira Gandhi	19/11/2018	19/11/2018	147
Rashtriya Ekta Divas(National Unity Day) On the occasion of Birth Anniversary of Sardar Vallabhai Patel	30/10/2018	30/10/2019	304
Mahatma Gandhi jayanthi	02/10/2018	02/10/2018	88
Engineers Day On the occasion of Birth Anniverary of Mokshagundam Visweswaraiah	15/09/2018	15/09/2018	145
Teachers Day On the occasion of Birth Anniversary of Sarvepalli Radhakrishnan	05/09/2018	05/09/2019	72
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

To support and build healthy environment it becomes necessary to adopt green practices like: 1. Students and staff using bicycles, public transport and pedestrian friendly roads 2. Students and staff using public transport 3. Students and staff using pedestrian friendly roads 4. Plastic-free campus 5. Paperless office 6. Green landscaping with trees and plants 7. Eco-friendly events like Ganesh Chathruthi Being a leading institution of Technical Education, Institute initiates the Green Campus activity which will support sustainable environmental development. 'The Green Campus' practice actively promote the various programs for the environment protection and sustainability such as, use of bicycles, public transport, and pedestrian friendly roads, promotes plastic free campus, paperless office, green landscaping with tree and plants. Students and staff use bicycles, public transport and pedestrian friendly roads. To avoid use of plastic staff and students use non-plastic items in the institute campus like institute canteen, store, office etc. Our College took an initiation to reduce the plastic bags usage in the campus in this process college has prevented usage of plastic bags in college canteen and in college premises. Plastic is banned on campus and the same is prominently displayed on all notice boards and corridors. Awareness posters and pamphlets are displayed in prime locations of the campus. College discourages use of plastic by conducting awareness programs to staff and students Institution has organized clay Ganesh campaign to educate all the students, staff and community aware of using eco-friendly Ganesh for the Ganesh Chathruthi festival. College announced that they will not allow selling bottled water in the campus. Every

year each department celebrates fests. During the fests, in the last four years we have popularized green practices by encouraging use of eco-friendly alternatives. Institute has a canopy of trees and plants that 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 60 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. Encouraging faculty members to enhance their teaching learning abilities 2. Encouraging Faculty to apply for financial assistance from the out sources for organizing Seminars/FDPs/Conferences/ Workshops and research projects. 3. Encouraging faculty to involve in research work leading to publications in reputed journals 4. Encouraging faculty to publish patent publications 5. Encouraging students to come out with Innovative ideas and Start-up proposals 6. More focus on Programming and Technical Skills 7. Strengthening mentoring and personal support for students 8. Strengthening the OBE implementation