Yearly Status Report - 2018-2019

Part A	
Data of the Institution	
1. Name of the Institution	**NARAYANA ENGINEERING COLLEGE**
Name of the head of the Institution	**Ch.V.S.Parameswara Rao**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**08624-252611**
Mobile no.	**9912355502**
Registered Email	**necgudur@necg.ac.in**
Alternate Email	**principal@necg.ac.in**
Address	**Durjati Nagar, Gudur,Nellore Dist.**
City/Town	**Gudur**
State/UT	**Andhra Pradesh**
Pincode	**524101**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**Dr. V.Sucharita**
Phone no/Alternate Phone no.	**08624252611**
Mobile no.	**9491923801**
Registered Email	**iqac@necg.ac.in**
Alternate Email	**necgudur@necg.ac.in**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://www.necg.ac.in/NAAC/NAAC-SSR.pdf

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.necg.ac.in/academic-calender.php

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	**A**	**3.10**	**2019**	**20-May-2019**	**19-May-2024**

6. Date of Establishment of IQAC	**21-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
One Day Workshop On Quality improvement in teaching	**07-Jul-2018** **1**	**76**

One day workshop on student	17-Sep-2018 1	72
One Week Faculty Development Programme On Data Analytics With R-Software	10-Dec-2018 7	30
One Day Workshop on Measuring Attainment of Outcomes (COs, POs & PSOs) Using CAT and GAP Analysis	13-Dec-2018 1	28
FDP on How to Write and Publish a Research Paper	24-Jan-2019 1	41
Seminar On Integration Of Open Educational Resources In Teaching And Learning: Empowerment Of Education With Technology	21-Feb-2019 1	105
Seminar on Primer to Scholarly Publishing in Open Access Journals	16-Mar-2019 1	46
Awareness Program Reinventing Moodle in Students Perspective	20-Apr-2019 2	379

[View File](#)

8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
NIL	NA	NIL	2019 0	0

No Files Uploaded !!!

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)

Preparation for NAAC Submission ISO 90012015 certification Outcome Based Education and Enhancements to existing practices. Reforms in the existing methodology to review and evaluate the teaching learning practices.

[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 Certification renewal	ISO 90012015 Certified
Submitting SSR for NAAC Accreditation	Accredited with grade "A" by NAAC
College Academic calendar	Each Department prepares detailed academic and event calendar for each semester in accordance with JNTUA schedule and implements as per the schedule.
ICT improvement	All class rooms are equipped with ICT facilities
Faculty Development Programs	Institution encourages faculties for external participation with offering OD and Registration fee.
[View File](#)	

14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
Governing Body	29-Nov-2019

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	Yes
Date of Visit	17-May-2019
16. Whether institutional data submitted to AISHE:	No
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)	Modules: Planning and Development Administration Finance and Accounts Student Admission and Support Examination Details: College has provided POS machines for fee payments. Payment and receivables are automated. Payroll module used for employee salaries. Strict Bio Authentication entry for college staff through MIS.

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 overview is adopted as per the university. The effective implementation of the curriculum is done in the following sequence of action plan. One month prior to commencement of the academic year/semester HoDs conduct staff meeting and allot subjects based on their preference. During this one month, the staff prepares the course file which includes course notes, Question Banks, E-Learning materials etc, in advance. After the commencement of the academic year the college academic committee(CAC) meeting is conducted to prepare College academic calendar based on the academic schedule published by JNTUA considering the Teaching hours, Assessment, Curricular and co-curricular activities, Holidays and no of working days in first spell and second spell available for course delivery. 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 bridge courses, remedial classes, Guest lectures, tutorials, seminars, workshops 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. The faculty prepares and circulates the course plan which includes lecture schedule based on working hours, course outcomes, CO-PO mapping, reference books, E-Learning resources 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 The Course delivery and syllabus completion status is monitored through formal and informal means. Seminars, Industrial visits, Guest lectures, workshops and Internships are conducted to enrich the curriculum. To Bridge the gap between the industry and Institute, certificate courses and Value added programmes are also conducted. Slow learners and advanced learners are identified based on the performance in the examinations. Slow learners are given special attention by conducting Remedial classes, extra classes, assignments, peer learning etc for each subject. 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. 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/entreprene urship	Skill Development
Total station	NA	18/08/2018	4	Employabil ity	Total station
AUTOCAD	NA	13/08/2018	6	Employabil ity	AUTOCAD
NC Programming	NA	11/03/2019	6	Employabil ity	NC Programming
TALLY	NA	06/09/2019	19	Employabil ity	TALLY
A Cyber Securities and Ethical Hacking	NA	06/08/2018	5	Employabil ity	Hacking
Word Press Technology	NA	20/08/2018	6	Employabil ity	Word Press Technology
Ethical Hacking Computer Security	NA	11/03/2019	5	Employabil ity	Security
PCB Design and Fabrication	NA	03/08/2018	5	Employabil ity	PCB Design
PCB Design and Fabrication	NA	15/02/2019	5	Employabil ity	PCB Design
Mathematical operations with scilab for engineering applications	NA	20/08/2018	6	Employabil ity	SCILAB
Programmable Logic Controller	NA	18/02/2019	6	Employabil ity	Logic Controller
STAAD Pro	NA	02/02/2019	6	Employabil ity	STAAD Pro

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
Nill	NIL	Nill
No file uploaded.		

1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System

BTech	CE, EEE, ECE, CSE,ME – IV Year-I Semester	02/07/2018
BTech	CE, EEE, ECE, CSE,ME – IV Year-II Semester	17/12/2018
MBA	III Semester	16/07/2018
MBA	IV Semester	20/12/2018
MCA	III Semester	16/07/2018
BTech	IV Semester	20/12/2018
Mtech	DECS,PE,CS-I Year-I Semester	05/09/2018
Mtech	DECS,PE,CS-II Year-I Semester	05/09/2018
Mtech	DECS,PE,CS- I Year-II Semester	25/02/2019

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

	Certificate	Diploma Course
Number of Students	992	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
Software Engineering using J2SE	24/09/2018	98
NI-LAB VIEW	04/02/2019	44
Soft Skills- 4.a	02/07/2018	50
Soft Skills- 4.b	02/07/2018	47
WaveFarer Automotive Radar Simulation Software	23/04/2019	121
Object Oriented Programming	23/07/2018	60
Soft Skills- 2	02/07/2018	38
Designing of Photo Voltaic Systems	22/04/2019	41
Primevera	10/08/2018	47
Solid Edge Software	18/03/2019	60
	View File	

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	ECE	60
BTech	EEE	41
BTech	CSE	43
BTech	CE	52

BTech	ME	30
MBA	MBA	42
MCA	MCA	39

No file uploaded.

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 Feedback for curriculum improvement has been taken from various stake holders like Student, Faculty, Parent, Alumni and Employer. 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. 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 students, Parents, faculty members, alumni and employers for the completed 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. B.FEEDBACK ANALYSIS: 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 A Committee comprising of faculty members is constituted by HOD to analyse the feedback collected from stake holders. Committee analyses the feedback so collected and submits a consolidated report biasing on the feedback. As our college is a 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 stakeholders action has been taken in two different ways: i)The consolidated feedback reports are sent to University by Principal. ii)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
BTech	CE	60	14	14

BTech	EEE	60	28	28
BTech	ME	60	42	42
BTech	ECE	120	117	117
BTech	CSE	120	116	116
MBA	BA	180	44	44
MCA	CA	60	14	14
Mtech	PE	18	1	1
Mtech	DECS	18	2	2
Mtech	CS	18	Nill	Nill
[View File](#)				

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	1378	289	87	38	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
125	99	12	2	37	10
[View File of ICT Tools and resources](#)					
[View File of E-resources and techniques used](#)					

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

To resolve day to day problems of the students, mentors   are appointed for a batch of 20 students, and they will counsel the respective students twice in a month to solve the problems come across during their course of study Objectives of mentoring are: To monitor the students regularity discipline To enable the parents to know about the performance regularity of their wards. 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. Outcomes of the system : The attendance percentage of the students has increased to a greater extent. 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 above resulted in attaining a better academic performance

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1667	125	1:13

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned	No. of filled positions	Vacant positions	Positions filled during	No. of faculty with

positions			the current year	Ph.D
120	125	Nill	31	21

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr. J A Bhaskar	Professor	Global Peace Award
2018	Mrs. Y Neeraja	Associate Professor	Women Excellence Award
2019	Mr. B Pavan Babu	Assistant Professor	Best Techer, ITSR
No file uploaded.			

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
BTech	01-CE	IV Year-I Semester	11/03/2018	21/01/2019
BTech	01-CE	III Year-I Semester	11/03/2018	30/01/2019
BTech	01-CE	II Year-I Semester	11/03/2018	27/02/2019
BTech	01-CE	I Year-I Semester	11/09/2018	03/12/2019
BTech	01-CE	I Year-II Semester	05/02/2019	19/09/2019
BTech	01-CE	II Year-II Semester	05/02/2019	09/03/2019
BTech	01-CE	III Year-II Semester	05/02/2019	08/09/2019
BTech	01-CE	IV Year-II Semester	04/10/2019	16/05/2019
View File				

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)

? 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. ? 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. ? 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. ? 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. ? The academic calendar is circulated to all the faculty and students. It is displayed and uploaded on college website for further reference. ? 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.necg.ac.in/peos.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
D05	Mtech	CS	1	1	100
D43	Mtech	PE	2	2	100
D38	Mtech	DECS	4	4	100

F0	MCA	MCA	39	39	100
E0	MBA	MBA	119	80	67.23
05	BTech	Computer Science and Engineering	95	79	83.15
04	BTech	electronics and Communication Engineering	99	57	57.57
03	BTech	Mechanical Engineering	45	22	48.88
02	BTech	Electrical and electronics Engineering	38	32	84.21
01	BTech	Civil Enginnering	46	29	63.04
View File					

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://www.necg.ac.in/IQAC/pdf/SSS-2018-19.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
Any Other (Specify)	000	NA	0	0
No file uploaded.				

3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
A TECHNICAL TALK ON "MIMO RADAR SIGNAL PROCESSING"	ECE	18/09/2018
UNMANNED ARIAL VEHICLE	ECE	30/08/2018
CARRIER GUIDANCE PROGRAM- IT CARRIER OPPORTUNITIES	ECE	08/08/2018
CAMPUS RECRUITMENT TRENDS	MBA	16/08/2018
WORKSHOP - INTERACTIVE WORKSHOP FOR FINANCE STUDENTS	MBA	12/10/2018
GUEST LECTURE - COMPENSATION MANAGEMENT	MBA	28/12/2019

GUEST LECTURE AWARENESS ON STARTUPS FOR MBA STUDENTS	MBA	02/07/2019
GUEST LECTURE RETAILING INDUSTRY – GLOBAL PERSPECTIVE	MBA	02/12/2019
GUEST LECTURE - CAMPUS TO CORPORATE - TRANSITION	MBA	03/08/2019
GUEST LECTURE - WORLD CONSUMER RIGHTS DAY	MBA	15/03/2019
GUEST LECTURE - CHOICE IS YOURS – PERSONALITY DEVELOPMENT	MBA	12/05/2018
SEMINAR ON BIG DATA IN REAL TIME ARCHITECTURE	CSE	02/09/2019
SEMINAR ON SOFTWARE SOLUTION DESIGNING METHODS FOR REAL TIME PROJECT	CSE	28/01/2019
3 DAYS WORKSHOP ON CYBER SECURITIES	CSE	27/09/2018
WORKSHOP ON UAV'S DRONE	CSE	30/08/2018
WORKSHOP ON AWARENESS PROGRAM ON IT CAREERS AND OPPORTUNITIES	CSE	07/08/2018
SEMINAR ON WEB DEVELOPMENT SEARCH ENGINE OPTIMIZATION	CSE	29/03/2019
EMERGING TECHNOLOGIES IN MECHANICAL ENGINEERING	MECH	16/02/2019
ENTREPRENEUR DEVELOPMENT	MECH	23/02/2019
A ROLE OF CIVIL ENGINEERS IN SURVEYING CONSTRUCTION APPLICATIONS OF TALL STRUCTURE	CIVIL	08/08/2018
FACULTY DEVELOPMENT PROGRAM (TEACHING STAFF)	CIVIL	12/12/2018
CAREER GUIDANCE MOTIVATION	CIVIL	15/02/2019
PROMOTION AND TRAINING PROGRAM ON DIGITAL PAYMENTS	EEE	30/01/2019
GUEST LECTURE ON AN ARTIFICIAL INTELLIGENCE	EEE	15/03/2019

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
NIL	NIL	NIL	Nill	NIL

3.2.3 – No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
1	Innovation and Incubation Cell	Narayana Engineering College Gudur	NIL	NIL	15/03/2018

No file uploaded.

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
1	4	16

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

Name of the Department	Number of PhD's Awarded
MECHANICAL	2

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	6	0
International	CSE	42	1
International	ECE	25	0
International	MCA	23	0
International	Mechanical	7	0
International	EEE	10	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
MCA	1
CIVIL	2
MBA	11
ECE	2
CSE	2

View File

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
Energy-	V.Suchar	Springer	2018	1	NARAYANA	15

| Aware Multi-objective Differential Evolution in Cloud Computing\| | ita | NaturePrint ISSN 2194-5357 ISSN2194-5365\| | | | ENGINEERING COLLEGE | |

[View File](#)

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
Recommendation System based on generalized - weighted tree similarities algorithms	D.Promodh Krishna	Artificial Intelligent and Evolutionary Computations Print ISN 978-981-10-7867-5, Online ISN 978-981-10-7868-2	2018	1	Nill	Narayana Engineering College, Gudur
Energy-Aware Multi-objective Differential Evolution in Cloud Computing|	V.Sucharita	Springer NaturePrint ISSN 2194-5357 ISSN2194-5365|	2019	2	1	Narayana Engineering College, Gudur

<div align="center">No file uploaded.</div>

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	3	30	Nill	Nill
Presented papers	13	4	Nill	Nill

<div align="center">No file uploaded.</div>

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

Cleaning of village ponds and wells	Vindhuru Village	12	50
EAMCET/Mock Test	NEC,GUDUR	15	132
Awareness Campaign On Child Education	MPUP School, Gudur	10	48
Dental Camp	Narayana dental college,Nellore	13	50
Swacha Bharath	Vindhuru Village	9	50
Medical Camp	Narayana Medical College, Nellore	11	50
Rally on Anti-Plastic Awareness	Vindhuru Village	14	50
World TB Day	Lions Club,Nellore	23	112
Financial Assistance to Old Women	My Friends Association, Gudur	15	76
Awareness Program On Kidneys In Adopted Village(Yeruru)	Yeruru Village	12	46
[View File](#)			

3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Village Adoption	Appreciation	Vindhuru Village	50
Medical Camp	Appreciation	Narayan Medical College, Nellore	50
World TB Day	Appreciation	Lions Club, Nellore	112
Financial Assistance to Old Women	Appreciation	My Friends Association, Gudur	76
Distribution of Examination Kits to the 10th Class Students	Appreciation	My Friends Association, Gudur	36
Blood Donation Camp	Award	Rotary Club, Gudur.	73
Awareness Rally on Use of Clay Ganesh Idols	Appreciation	Rotary Club, Gudur.	145
Awareness Programme on Anti-Plastic	Appreciation	Nestam Foundation, Nellore.	50

| Helping hands | Appreciation | Daniel Children's Home, Chillakur. | 45 |
| Financial Help to Old Man | Appreciation | Rotary Club, Gudur. | 36 |

View File

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activites	Number of students participated in such activites
Blood Donation Camp	Rotary Club, Gudur.	Blood Donation Camp	34	73
Air Pollution and Their Remedies In Surrounding Areas Of Power Plants	Tamminapatnam Village	Air Pollution and Their Remedies In Surrounding Areas Of Power Plants	13	49
National Voters Day	Revenue Dept., Gudur.	National Voters Day	18	46
Distribution of Examination Kits to the 10th Class Students	My Friends Association, Gudur	Distribution of Examination Kits to the 10th Class Students	11	36
Rally on Anti-Plastic Awareness Vindhuru Village	Vindhuru Village	Rally on Anti-Plastic Awareness	14	50
Medical Camp	Narayana Medical College, Nellore	Medical Camp	11	50
Swacha Bharath	Vindhuru Village	Swacha Bharath	9	50
Dental Camp	Narayana dental college,Nellore	Dental Camp	13	50
Cleaning of village ponds and wells	Vindhuru Village	Cleaning of village ponds and wells	12	50
Awareness Campaign On Child Education	MPUP School, Gudur	Awareness Campaign On Child Education	10	48

View File

3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration

Assistive CADD, Nellore, Value added course on Primavera	47	Narayana Engineering College Gudur	4
Certificate course on STAAD.Pro	36	Narayana Engineering College Gudur	5
Guru Raghavendra Infrastructures, Nellore, Ready mix concrete Industrial visit	36	Narayana Engineering College Gudur	1
Sesritha Technology India Pvt. Ltd. Nellore, Shear Wall technology construction of G5 Residential Apartments at Nellore	6	Narayana Engineering College Gudur	15
Genius CADD Center, Hyderabad, Guest lecture ,Importance of Auto CADD software in Civil Engineering	61	Narayana Engineering College Gudur	1
D.S.N.M.Global Solutions, Guntur, Certificate course on Total Station	36	Narayana Engineering College Gudur	3
IQS Institute of Quantity Survey, Tirupati, Survey camp on Total Station	61	Narayana Engineering College Gudur	3
Shakti Khanna Constructions Pvt Ltd, Chennai, Internship Design Construction of Function Hall	5	Narayana Engineering College Gudur	15
S.G.Structural Engineers, Coimbatore, Site inspection work for residential buildings at Coimbatore	5	Narayana Engineering College Gudur	12
U.B.E. Industries Ltd. Hyderabad, Design Construction of five storey apartment	5	Narayana Engineering College Gudur	15

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
Project Work	Industrial Linkages	Cyber Soft Systems(I)Pvt.Ltd, Hyderabad	29/10/2018	18/03/2019	2
Project Work	Industrial Linkages	Agudoit Solutions, Hyderabad.	29/10/2018	18/03/2019	1
Project Work	Industrial Linkages	Game It Solutions, Hyderabad.	29/10/2018	18/03/2019	2
Project Work	Industrial Linkages	Supreme Info Solutions, Nellore	29/10/2018	18/03/2019	10
Project Work	Industrial Linkages	Ricon Technologies Pvt Ltd,Nellore	29/10/2018	18/03/2019	2
Project Work	Industrial Linkages	For 4 Soft Technologies Private Limited, Nellore	29/10/2018	18/03/2019	7
Project Work	Industrial Linkages	Lotus Technologies , Nellore	29/10/2018	18/03/2019	8
Project Work	Industrial Linkages	Middleware Informatiom Techonology Services Pvt Ltd , Hyderabad	29/10/2018	18/03/2019	2
Project Work	Industrial Linkages	Youngminds Technology Solutions Pvt Ltd, Tirupathi.	29/10/2018	18/03/2019	4

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

MEIL,hyderabad	09/08/2018	Water treatment activity	35
eXcel industrial services,chennai	05/12/2018	FDP	40
EdgateTechnologies pvt ltd	23/08/2018	Workshop	44
Star Technologies ,chennai	22/11/2018	FDP	64
AMI engineering and infrastructure	22/09/2018	Workshop	87
Assistive cad	13/08/2018	Certificate course	45

View File

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
250	268.84

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Video Centre	Existing
Classrooms with Wi-Fi OR LAN	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing
Laboratories	Existing
Class rooms	Existing
Campus Area	Existing

No file uploaded.

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
Library Management System	Fully	2	2007

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	19082	2862300	377	139918	19459	3002218

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Dr P Rajasekhar	Digital Communication Systems	Power Point Presentation-LMS	25/09/2018
P Manjulamma	Linear IC Applications	Power Point Presentation-LMS	25/09/2018
D Saritha	Computer Networks	Power Point Presentation-LMS	28/09/2018
P Vijayabhaskar Reddy	Mobile Application Development	Power Point Presentation-LMS	28/09/2018
Dr L Gangadevi	Environmental Science	Power Point Presentation-LMS	27/09/2018
AVL Mrudhula	Orthographic Projection	Power Point Presentation-LMS	28/09/2018
D Venkataramaniah	Bending Stress	Power Point Presentation-LMS	29/09/2018
U Satyanarayana	Grid Architecture	Video-LMS	27/09/2018
K V Rathnam	Software Architecture	Power Point Presentation-LMS	27/09/2018
Sd.Nurja	Software Testing	Power Point Presentation-LMS	01/10/2018
No file uploaded.			

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	646	6	90	1	6	1	7	90	0
Added	0	0	0	0	0	0	0	0	0
Total	646	6	90	1	6	1	7	90	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
NIL	NIL

4.4 – Maintenance of Campus Infrastructure

4.4.1 – Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year			
Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
30	28.96	100	125.52

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)

Physical Facilities Maintenance: The Administrative Officer (AO) assists Principal to maintain physical facilities such as laboratory, library, sports complex, computers, classrooms and hostel etc. in an efficient and effective manner. We adopt both Periodic maintenance and Breakdown maintenance to ensure Hygienic physical facilities. The details are given below: Maintenance of Computers: The technical staff viz., systems administrator and network administrator attached to the respective computer centers to service the computers in normal working days through periodical checking. When they become non serviceable, they report the matter to the faculty in-charge of the computer center and he/she in turn refers the same to the HOD, who arranges to get them repaired. Maintenance of Laboratories: Calibration of various equipment and instruments is left to the faculty in-charge of the respective laboratories, to decide when the meters are to be calibrated and instruments serviced. Calibration of one meter in a particular group is outsourced to a Standard Organization or its authorized agents. Using this calibrated meter as the standard, the other meters are calibrated by the technicians in the laboratory. The equipment is serviced annually by the local technical staff and if it is beyond their capacity, they refer it to the HOD, who arranges for repairing them. Library: The faculty, after requisite research and interaction with their colleagues and research counter parts, submit their suggestions for the required books to their HODs. This is discussed in the departmental faculty meeting and after a consensus indicated to the Library committee, which recommends the list to the Principal who in turn directs the librarian for procurement within the assigned the budget. Sports Games: The College gives pre announcements of conducting the sports and games to the students and by displaying them in the notice boards and by sending the circular to all the departments and class rooms. The responsibilities and due duties are distributed among the faculty members and PD for promoting and conducting the programs. The Institution also allows students to participate in sports and game regularly based on their time table Academic Facilities Maintenance: The Vice Principal (VP) assists Principal to efficiently run Academics by utilizing support of all the staff such as laboratory, library, computers and classrooms etc. Our Academics include Curricular, Co- curricular and Extra-curricular activities. Supporting Facilities Maintenance:The Administrative Officer (AO) assists Principal to maintain efficient and effective supporting facilities such as public address systems, CCTVs, Internet, RO Plant, DG Set, campus Security, hostels, Air Conditioning, kitchen and transport etc.Our Supporting Facilities include Need based assistance, Operational assistance, and 24 hours/day assistance. Maintenance of Power:Water supply is from one 5m diameter and one 10m diameter shallow wells. Water is pumped to the over-head reservoir and the outflow to the campus is by gravity. The drinking water is through 2 Nos. of 250 liters RO plants for the hostels canteen and 6 Nos. of 50 liters per hour RO plants for the academic blocks, providing drinking water supply to the campus 24x7 at various service points.

http://www.necg.ac.in/NAAC/NAAC-SSR.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	Merit Scholarship and Scholarship for economically backward students	386	5096250
Financial Support from Other Sources			
a) National	NA	Nill	0
b)International	NA	Nill	0
No file uploaded.			

5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Bridge Course	28/12/2018	47	NECG
Bridge Course	02/01/2019	89	NECG
Bridge Course	25/06/2018	111	NECG
Bridge Course	04/07/2018	87	NECG
Bridge Course	11/07/2018	98	NECG
Bridge Course	10/07/2018	108	NECG
Bridge Course	04/07/2018	117	NECG
Bridge Course	08/01/2019	45	NECG
Bridge Course	18/12/2018	53	NECG
Bridgecourse	06/07/2018	45	NECG
View File			

5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2018	Guidance for Competitive Exams and Career Counseling	580	997	15	445
No file uploaded.					

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
8	8	3

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
28	491	252	8	274	10

View File

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2018	1	B.Tech	ECE	Krishna Chaitanya Educational Institutions , Nellore	MBA
2018	1	B.Tech	ECE	Amrita Sai Institute of Technology	M.Tech
2018	1	B.Tech	ECE	Madanapalle Institute of Technology and Science	M.Tech
2018	1	B.Tech	ECE	Visvodaya Engineering College, Kavali	M.Tech
2018	1	B.Tech	ECE	Vikas Group of Institutions, Vijayawada	M.Tech
2018	1	B.Tech	ECE	SITAMS,Chittoor	M.Tech
2018	1	B.Tech	ECE	Audhisankara College of Engineering and Technology, NLR	M.Tech
2018	1	B.Tech	CSE	Jagan's PG College	MBA
2018	1	B.Tech	CSE	Rao's P.G. College, Nellore	MBA

2018	1	B.Tech	CSE	Madanapalle Institute of Technology and Science	M.Tech

<div align="center">

[View File](#)

</div>

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

Items	Number of students selected/ qualifying
Any Other	15

<div align="center">

[View File](#)

</div>

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

Activity	Level	Number of Participants
Rangoli Competitions on Sankranthi Celebrations	College	60
Cultural Activities on New Year Day Celebrations	College	97
NARAYANA PREMIER LEAGUE CRICKET TOURNAMENT (NPL - 2018)	Intra College	168
Throw Ball Tournament (Girls)	College	72
Sports Meet on National Youth Day	College	83
KARATE Training Classes for Girls	College	86
JNTUA Athletic Meet Selections	University	39
Sports Meet on National Youth Day	College	83
Tour De Heritage (Cycle Tour)	College	22
Self Defense Training Classes (KARATE)	College	50

<div align="center">

[View File](#)

</div>

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-SRM Sports Fest-2K19	National	1	Nill	15F11A0473	P.V.Kiran Kumar Reddy
2019	Runner-SRM Sports	National	1	Nill	15F11A0211	K. Venkata

	Fest-2K19					Sai Kumar
2019	Runner- SRM Sports Fest-2K19	National	1	Nill	16F11A0123	Y. Nanda Kishore Reddy
2019	Runner- SRM Sports Fest-2K19	National	1	Nill	15F11A0330	S.M. Arshad
2019	Runner- SRM Sports Fest-2K19	National	1	Nill	15F11A0218	P. Surendra
2019	Runner- SRM Sports Fest-2K19	National	1	Nill	16F11A0420	D. Santhan Kumar
2019	Runner- SRM Sports Fest-2K19	National	1	Nill	16F11A0572	P. Vamsi Krishna
2019	Runner- SRM Sports Fest-2K19	National	1	Nill	16F11A0592	SK. Nadeem
2019	Runner- SRM Sports Fest-2K19	National	1	Nill	17F11A0549	K. Nagaraju
2019	Runner- SRM Sports Fest-2K19	National	1	Nill	16F15A0105	M. Venu
			[View File](#)			

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

NECG Student Council representatives actively participate in various activities. They help in coordinating all the events related to academics, co-curricular Extra-curricular activities, with the guidance of teaching faculty. They perform lot of academic / administrative work with the help of other students. 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. 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. 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. Such participation enables them in developing better academic and administrative capabilities. There are 38 cells and committees involving student representation

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The Institution has formed and registered an Alumni Association named "Alumni Association of Narayana Engineering College Gudur" under the Andhra Pradesh Societies Registration Act 2001 on 7th Nov 2015. If is functional with Executive members. • 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. • Alumni interaction with the existing students of the college about their experience in their field of job. • 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 new kinship or relationship and friendliness with individuals of comparable foundation.

5.4.2 – No. of enrolled Alumni:

158

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

134500

5.4.4 – Meetings/activities organized by Alumni Association :

Alumni Meeting was organized on 12-01-2019 and nearly 90 non financial benefits derived from Alumni.

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)

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. 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.

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

Human Resource Management	Online Bio-metric system Automated Payroll system Grievance system
Industry Interaction / Collaboration	Enabling students to aware of real-world phenomena, we encourage field visits, internships and invited guest lecturers from industry.
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, group discussions etc., for the holistic development of students. Institute takes initiatives to assess learning levels of the students through induction program, survey and performance in various examinations. Based on this evaluation special need based activities are undertaken.
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.
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. Research papers are published every year by faculty members in reputed Journals including UGC recognized Journals.

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. 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.
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. Library web OPAC link is provided on college website http://45.123.0.154/Itouchnecng to students and faculty for searching library materials. Institute library is also using institutional repository where Journals/Articles) Question Papers/Paper presentations/E-Books/Thesis Dissertations are made available.

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

E-governace area	Details
Planning and Development	EMPLOYEE PROFILE EMPLOYEE ATTENDANCE DETAILS EMPLOYEE LEAVE REQUEST
Administration	INVENTORY MANAGEMENT DEPARTMENT REQUISITION ITEM STOCK REPORT GENERAL MAINTENANCE AND STATIONARY DEPARTMENT MATERIAL ISSUES
Finance and Accounts	STUDENT INFORMATION SYSTEM STUDENTS SCHOLARSHIPS HOSTEL STUDENTS PAYMENTS RECEIPTS ONLINE FEE PAYMENT STUDENT DETAILS FOR ONLINE FEE PAYMENT
Student Admission and Support	STUDENT DETAILS ENTRY STUDENT ADMISSIONS REPORTS STUDENTS HALLTICKET NO. ENTRY SUBJECT WISE ATTENDANCE

	REPORTS SMS REPORTS LIBRARY INFORMATION SYSTEM BOOKS TRANSACTION HISTORY BOOKS ISSUE ENTRY BOOKS RETURN ENTRY
Examination	STUDENT MARKS ENTRY UNIVERSITY EXAMS MARKS UPDATION UNIVERSITY MARKS ANALYSIS REPORT STUDENT PROGRESS REPORT STUDENT PROMOTION – COURSE COMPLETION

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	D Bhanuchandra Reddy	Two Day Workshop on SOFT SKILLS, Audisankara College of Engineering Technology, Gudur.	NA	500
2018	CH Vemaiah	One Week Faculty Development on Mathematical Modeling Applications of CAE Tools in Advanced Manufacturing, Narayana Engineering College, Nellore.	NA	1300
2018	CH Swathi	One Week FDP on How to Write Publish A Research Paper, Narayana Engineering College, Nellore.	NA	1300
2018	B Sunilkumar	Faculty Development Program on Machine Learning and its Applications, St. Josephs Institute of Technology, Chennai.	NA	2800

2018	B Pavanbabu	International conference on Advances in Electrical drives, process control automation, VIT, Vellore.	NA	3000
2018	B Malakonda Reddy	National Level FDP on Emerging Trends in Qualitative Research in Engineering Technology, DADI Institute of Engineering and Technology, Anakapalle.	NA	2200
2018	B Madhuri	International Seminar on Impact of Globalization on MSMEs - Prospects, Challenges and Policy Implications on Growth, Vikrama Simhapuri University, Nellore.	NA	1000
2018	AVL Mrudhula	One Week Faculty Development on Mathematical Modeling Applications of CAE Tools in Advanced Manufacturing, Narayana Engineering College, Nellore.. National Workshop on Simulation of Electric Motor Drives - Hands on Training, VIT, Vellore.	NA	1300
2018	A Madhusudan Rao	One Day National Workshop on Simulation of	NA	2600

		Electric Motor Drives - Hands on Training, VIT, Vellore.			
2018	A Hazarathaiah	Workshop on Smart Systems, Andhra University College of Engineering, Visakapatanam.	NA		3500
		[View File](#)			

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

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	FDP on Internet of Things	Nill	10/06/2019	16/06/2019	30	Nill
2019	FDP on Innovations in Non-Destructive Testing	Nill	10/06/2019	15/06/2019	24	Nill
2019	Short Term Training Program on Power Electronics for power systems	Nill	10/06/2019	15/06/2019	58	Nill
2019	Seminar on Primer to Scholarly Publishing in Open Access Journals	Nill	16/03/2019	16/03/2019	46	Nill
2019	Faculty Development Programme on "Innovations in Mechanical Engineering and Tech	Nill	24/06/2019	28/06/2019	24	Nill

2019	Nill	Refresher Training Course on Electrical Safety (NEC-National Electric Code)	24/06/2019	25/06/2019	Nill	16
2019	Nill	Workshop on Operating Systems	18/06/2019	19/06/2019	Nill	12
2019	FDP on Decision Making Skills	Nill	17/06/2019	21/06/2019	41	Nill
2019	Nill	Training Program on Building Construction Materials	22/06/2019	22/06/2019	Nill	6
2019	Nill	One Day Workshop on CNC Programming	15/06/2019	15/06/2019	Nill	8

[View File](#)

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
One Week Faculty Development Program on ANSYS in Civil Engineering Applications, Narayana Engineering College, Nellore.	5	25/06/2019	29/06/2019	5
One Week Faculty Development Program on ANSYS in Civil Engineering Applications, Narayana	3	28/06/2019	03/07/2019	6

Engineering College, Nellore.				
Five Day FDP on Design of High Performance and Low Power Thirsty SOC Modules Using Mentor Graphics Tools, Narayana Engineering College, Nellore.	5	25/06/2019	29/06/2019	5
Faculty Development Program on Innovations in Mechanical Engineering and Technology, Narayana Engineering College, Gudur.	8	24/06/2019	28/06/2019	5
FDP on Decision Making Skills, Narayana Engineering College, Gudur.	18	17/06/2019	21/06/2019	5
FDP on Innovations in Non-Destructive Testing, Narayana Engineering College, Gudur.	9	10/06/2019	15/06/2019	6
Short Term Training Program on Power Electronics for power systems, Narayana Engineering College, Gudur.	12	10/06/2019	15/06/2019	6
International conference on Advances in Electrical drives, process control automation, VIT, Vellore.	3	04/06/2019	04/06/2019	1

National Conference on Innovative Technologies in Electrical Engineering, Geethanjali Institute of Science and Technology, Gangavaram.	2	30/03/2019	30/03/2019	1
International Seminar on Impact of Globalization on MSMEs - Prospects, Challenges and Policy Implications on Growth, Vikrama Simhapuri University, Nellore.	3	29/03/2019	31/03/2019	3

[View File](#)

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
31	Nill	54	Nill

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
provident fund ,ESI,Group Mediclaim Policy	Fee concession for the children of non-teaching staff members,provident fund ,ESI,Group Mediclaim Policy	Gymnasium Facilities,Mentoring Program

6.4 – Financial Management and Resource Mobilization

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

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. 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.

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
Individuals	412350	Sponsored for fests etc.

View File

6.4.3 – Total corpus fund generated

00

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	VS University ,VIGNAN Deemed to be University	Yes	College appointed Committee and IQAC
Administrative	Yes	VS University ,VIGNAN Deemed to be University	Yes	College appointed Committee and IQAC

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

Involvement of parents is done in various ways. They contribute in giving valuable suggestions for feedback on curriculum. They give suggestions for improving the facilities of the organization in parents meet. There will be frequent interaction between faculty coordinators and parents which helps to provide timely support and encouragement to students in times of need.

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

Refresher Training Course on Electrical Safety (NEC-National Electric Code) Workshop on Operating Systems Training Program on Building Construction Materials One Day Workshop on CNC Programming One Day Professional Development Program on Communication Trainer Kit in Association with Scientech Technologies Pvt. Ltd., Hyderabad. Training Program on Office Management Training Program on Digital Storage Oscilloscope in association with Digital Shark Technology. Workshop on Preventive Measure of Electric Equipment Workshop on Adobe Photoshop

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

Post accreditation the following efforts were made to increase quality: Encouraged faculty to acquire higher qualification through research, Encouraged the faculty to participate in webinars, orientation,training programs, FDPS, conferences. Faculty are encourages to publish research papers in scopus/web of science/SCI No of training programmes have been organized for students like increasing practical exposure by arranging industrial visits. Communication

	skills are improved.				

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	No
b)Participation in NIRF	No
c)ISO certification	Yes
d)NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Awareness Program Reinventing Moodle in Students Perspective	20/04/2019	20/04/2019	22/04/2019	379
2019	Seminar on Primer to Scholarly Publishing in Open Access Journals	16/03/2019	16/03/2019	16/03/2019	46
2019	Seminar On Integration Of Open Educational Resources In Teaching And Learning: Empowerment Of Education With Technology	21/02/2019	21/02/2019	21/02/2019	105
2019	FDP on How to Write and Publish a Research Paper	24/01/2019	24/01/2019	24/01/2019	41
2018	One Day Workshop on Measuring Attainment of Outcomes (COs, POs PSOs) Using CAT and GAP Analysis	13/12/2018	13/12/2018	13/12/2018	28
2018	One Week Faculty Development Programme On Data	10/12/2018	10/12/2018	16/12/2019	30

		17/09/2018	17/09/2018	17/09/2018	72
	Analytics With R-Software				
2018	One day workshop on student-centred learning methods	17/09/2018	17/09/2018	17/09/2018	72
2018	One Day Workshop On Quality improvement in teaching -learning using outcome based education (OBE) model	07/07/2018	07/07/2018	07/07/2018	76
No file uploaded.					

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
Gender equality & Women Empowerment	10/08/2018	10/08/2018	45	Nill
Seminar on Ethics and Moral Values in Contemporary Society	04/08/2018	04/08/2018	100	Nill
Karate for Girls-Training Program	03/04/2019	03/04/2019	60	Nill
FEMINA SLOSH-2K19	27/04/2019	27/04/2019	198	Nill
Awareness and training on safety and security	25/04/2019	25/04/2019	44	Nill
Awareness on Gender Discrimination-Elocution	18/04/2019	18/04/2019	46	Nill
Introduction	30/03/2019	30/03/2019	25	Nill

of Nirbhaya Act- Essay Competition				
International Women's Day 2019 - "Balance for Better"	08/03/2019	08/03/2019	99	Nill
"Key issues affecting girls and women" - A Skit on Republic Day	26/01/2019	26/01/2019	10	Nill
National Girl Child day 2019 –"Empowering Girls for a Brighter Tomorrow"	24/01/2019	24/01/2019	125	Nill
Workshop on Women's Self Defense	05/01/2019	05/01/2019	96	Nill
Work-Life Balance-Women Engineers	04/01/2019	04/01/2019	70	Nill
Awareness Program on Sexual Harassment and complaint process	15/11/2018	15/11/2018	73	Nill
Awareness program on women's health: Fitness	05/11/2018	05/11/2018	61	Nill
Seminar on Women Empowerment through Engineering Education	27/10/2018	27/10/2018	94	Nill
Awareness on Health Consciousness	09/10/2018	09/10/2018	68	Nill
Seminar on Women's Health issues and concerns	06/09/2018	06/09/2018	105	Nill

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

Percentage of power requirement of the University met by the renewable energy sources
The annual energy demand for the academic year 2018-19 (i.e from Jun-2018 to May-2019) drawn from APSPDCL is 240252 KWH S.No. Month Consumed Energy (Kwh) 1 Jun-2018 43190 2 Jul-2018 20000 3 Aug-2018 25626 4 Sep-2018 35942 5 Oct-2018

19530 6 Nov-2018 18024 7 Dec-2018 19476 8 Jan-2019 13608 9 Feb-2019 12118 10 Mar-2019 14702 11 Apr-2019 2882 12 May-2019 15154 Total Annual Energy 240252 The annual energy demand met by the Institution from the installed renewable energy source (i.e., Solar) S.No. Month Energy Supplied by the Solar Plant (Kwh) Energy exported to the Grid (Kwh) Energy utilized by the college (Kwh) 1 Jun-2018 22050 0 22050 2 Jul-2018 16873 2324 14549 3 Aug-2018 11723 1618 10105 4 Sep-2018 31073 7044 24029 5 Oct-2018 36325 14368 21957 6 Nov-2018 28681 13202 15479 7 Dec-2018 30303 18796 11507 8 Jan-2019 36178 22492 13686 9 Feb-2019 35991 18808 17183 10 Mar-2019 44747 19100 25647 11 Apr-2019 42599 2882 39717 12 May-2019 36988 15154 21834 Total Energy 373631 135788 237843 From Solar Power Plant Total Annual Energy utilized by the college Energy consumed by the SPDCLEnergy consumed from the Solar Plant 240252 Kwh237843 Kwh 478095 Kwh Annual Renewable energy generated and used 373631 Kwh Annual Energy supplied to the Grid 135788 Kwh Therefore, Percentage of annual power requirement of the institution met by the renewable source annual energy requirement met by renewable source /annual energy requirement 100 373631 Kwh /478095 Kwh 100 78.14

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nill
Provision for lift	Yes	Nill
Ramp/Rails	Yes	Nill
Braille Software/facilities	Yes	Nill
Rest Rooms	Yes	Nill
Scribes for examination	Yes	Nill
Special skill development for differently abled students	Yes	Nill
Any other similar facility	Yes	Nill

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
2019	1	1	16/02/2019	1	Awareness Programme on Automation in Aqua Culture	A long lasting aquaculture in the surrounding areas of our college provides livelihood to many	47

						families. Automation in the activities of aqua culture surely benefits the farmers in improving the yield, monitoring the diseases, purifying water, sprayin	
2019	1	1	05/01/2019	1	Air Pollution and Their Remedies In Surrounding Areas Of Power Plants	Our college is surrounded by many thermal power plants. Noise from the plants causes slow and gradual effect to ear drums. Carbon particles in the dust released from the plants affect growth of crops and destroys produce. To create awareness on how t	49
2018	1	1	11/10/2018	1	Awareness Programme on Accident	Our college is located near to	44

					Prone Zones	high way, and we came know that approximately 10 to 15 members met with road accidents on this high ways every year is due to lack of discipline and awareness among the drivers. We initiated an "awareness programme on a	
2018	1	1	22/09/2019	1	Implementation of Rural Sanitation Initiatives	Lack of proper sanitation facilities in some of the areas near by our college is causing the spread of diseases. They don't have knowledge on sanitation and the impact of open defecation results health problems. To bring knowledge in good	57

							practices i	

No file uploaded.

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 -HR Policies	01/01/2018	HR Policies and Handbook

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
A Programme on Human Values and Ethics	15/02/2019	15/02/2019	134
Promotion of National Values- Republic Day	26/01/2019	26/01/2019	190
Roll of youth in building Strong Nation -National Youth Day	12/01/2019	12/01/2019	89
Unity in Diversity-National Unity Day	31/10/2018	31/10/2018	70
National Integration-Gandhi Jayanthi	02/10/2018	02/10/2018	40
social cohesion Visit to Orphanage Home	11/09/2018	11/09/2018	46
A Seminar on Ethics and Moral values	26/08/2018	26/08/2018	120
Non-Violence-Independence Day	15/08/2018	15/08/2018	160

No file uploaded.

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. 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 using 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. The green belt (30 of total area) has green lawns and trees (maintains biodiversity) which provide shade and beautiful ambience.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice- I 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. • Self learning sessions are arranged. 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 Best Practice -II 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 Gudur is thus a collective initiative of students and staff of the college to understand social problems troubling immediate local community in and around Gudur 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 like, Bhudhanam, Eruru and Vindooru. 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, observe 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, and abayakshetram in Renegunta etc 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.

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

http://www.necg.ac.in/NAAC/index.php

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, Gudur, 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 2013 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. 68 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://www.necg.ac.in/NAAC/index.php

8.Future Plans of Actions for Next Academic Year

More focus on Programming and Technical Skills Increase of focus on MOOCs courses Strengthening the OBE implementation Encouraging faculty members to enhance their teaching learning abilities Encouraging Faculty to apply for financial assistance from the outsources for organizing Seminars/FDPs/Conferences/ Workshops and research projects. Strengthening mentoring and personal support for students Encouraging faculty to involve in research work leading to publications in reputed journals Encouraging faculty to publish patent publications Encouraging students to come out with Innovative ideas and Start-up proposals