



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	NADIMPALLI SATYANARAYANA RAJU INSTITUTE OF TECHNOLOGY
Name of the head of the Institution	Dr. Y. Vamsidhar
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	08933202167
Mobile no.	9533033334
Registered Email	principal@nsrit.edu.in
Alternate Email	secretary@nsrit.edu.in
Address	SONTYAM , VISAKHAPATNAM-531173
City/Town	VISAKHAPATNAM
State/UT	Andhra Pradesh
Pincode	531173

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	private
Name of the IQAC co-ordinator/Director	G.Rajasekharam
Phone no/Alternate Phone no.	08933220125
Mobile no.	9441789552
Registered Email	iqac@nsrit.edu.in
Alternate Email	office@nsrit.edu.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	http://nsrit.edu.in/admin/img/cms/IOAC-AQAR%20First%20Report-NSRIT%202017-18.pdf
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4. Whether Academic Calendar prepared during the year	Yes
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if yes,whether it is uploaded in the institutional website: Weblink :	http://www.nsrit.edu.in/student_accalendar.php
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5. Accreditation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	A	3.10	2017	12-Sep-2017	11-Sep-2022

6. Date of Establishment of IQAC	01-Jun-2015
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries

Study Opportunities Aboard	03-Jan-2019 1	200
Guest lecture on Research Methodologies	16-May-2019 1	118
Orientation Program on IPR	14-May-2019 1	118
Applying for NBA	09-Mar-2019 180	42
Renewal of ISO Certification	15-Feb-2019 50	118
Orientation Programme on OBE	16-Nov-2018 1	54
Participation in NIRF	22-Oct-2018 45	118
Academic Audit	27-Oct-2018 13	118
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/ Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Institute	PMKVY	Central Government	2019 365	1175752
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

6

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?

Yes

If yes, mention the amount

50850

Year	2019
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12. Significant contributions made by IQAC during the current year(maximum five bullets)

Staff members were encouraged to attend various faculty enrichment and empowerment programmes.

Parent Teacher Meeting conducted to brief them on the functioning of the College and the importance of collaborating with the college in grooming the students both academically and non-academically.

An online grievance is implemented where the Principal regularly keeps a tab on such grievance and suggestion and takes corrective measures.

Reference Globe an online assessment tool was introduced this year, builds a cost effective and value based Digital Transformation platform to help all students in the College.

Organised a one week FDP on OBE & Its Implementation in association with NITTTR Chennai.

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

Plan of Action	Achivements/Outcomes
Sending important notifications to all stakeholders of the college through SMS. Important notifications are also displayed at different locations of both the campuses of the college through digital display.	Better intimation of notifications to all teaching, non teaching staff of the college and the students., updating notifications in the college website.
To initiate social responsibility activities.	Helping Hands a student volunteer team of NSRIT as part of the social responsibility served extensively this year for the needy by distributing Old cloths, books etc...
To train the faculty in Outcome based Education.	Established the Culture of OBE.
Quality Enhancement and the outcome achieved by the end of the Academic year	Increase in Academic percentage has been observed. And also quality of Companies visited increased this year.

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14. Whether AQAR was placed before statutory body ?

Yes

Name of Statutory Body	Meeting Date
Governing body	15-Sep-2019
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	20-Jan-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>YES. The MIS software referred as ECAP, fulfils all the requirements of College. MIS system in the Reception. ECAP aims at immediate availability of data in required formats, ease of work of staff and management and increase in transparency and accountability and in administration. Features are Internet or Intranet enabled Application. User Levels with Access Rights for Data Security. Course/Batch/Category/Student Fee Dues Reports. Tracks Performance of Scholarship Students. Fee/Attendance Reminders and Progress Reports. Attendance Marks Analysis. Integration with Attendance Capturing Devices. Accounts Module similar to Tally. Payroll Integrated Staff Module. Barcode Integrated Library Module. Login for Students/Parents to access data online. • All the financial transactions are recorded using Tally ERP which is monitored.</p>

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

NSRIT has a well-organized system for curriculum delivery and documentation following JNTUK curriculum. Following are the various means through which it executes the curriculum. 1. HOD's Meeting: HOD's Meetings are held once in a week and minutes are noted. Head of the Department discuss their action plans to arrive an optimal and effective way. 2. Academic Calendar: Academic Calendar

is prepared by departments based on the contents issued in the academic calendar issued by the affiliating university, Jawaharlal Nehru Technological university (JNTU) Kakinada. Academic schedule will be planned before the commencement of the fresh academic year/semester. Distribution of workload and preparation of time table is done in advance by every department. Every teacher receives the individual time table. All the departments are involved in scheduling academic, co-curricular and extracurricular events to enrich the learning process. All departmental events and committee activities are mentioned in academic calendar to facilitate effective documentation. This process is smoothly handled by HOD. The special feature of our institution is that all teachers' record the daily activities and lectures conducted in their diary. HODs collect the status of syllabus coverage to monitor the 100% coverage of the syllabus. Syllabus is uploaded on the website to familiarize students and wards about the curriculum 3. Lesson Plan: A Lesson plan includes course outcomes, course objectives, course contents, reference books and the expected learning outcomes through the topics prepared by respective faculty members at the beginning of each semester. It gives an insight how the lecture class will be handled throughout the semester. 4. Meeting the Vision and Mission of the Concerned Department: Each department sets their own Vision and Mission which match with the Institutional Vision and Mission. 5. Program Educational Objectives (PEO) and Program specific Outcomes (PSO) are developed for each program and Course Objectives and course outcomes are defined for each course (theory and lab). All new students will be attending the orientation program during the commencement of first year classwork. We conduct the remedial teaching and bridge courses to keep them abreast with the syllabus. Though syllabus is prescribed by the affiliating university, teachers follow the innovative methods for better delivery of the curriculum. Classrooms are well equipped with ICT facilities. The institution has a well-maintained central library, with latest books and journals required for curriculum delivery. Teachers coordinate with the librarian by giving the requirements and ensuring that the list of books needed will be made available for their subjects. Students are motivated to visit library by including a library period in their timetable, in addition to this all the departments have individual departmental library where students have the access to read the books and journals. Institution encourages all teachers to attend FDPs/workshops/seminars to update themselves and ensure effective curriculum delivery. IQAC conducts Internal Academic Audit at the end of every semester which helps to ascertain that adequate and effective quality assurance mechanisms regarding curriculum planning and delivery. These are applied to ensure quality inputs and the consequent quality outputs to suggest improvement measures.

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
Basics of PLC by APSSDC	Nil	20/08/2018	8	Employability	Skill Development
BASIC Induction Machines PSCADA by APSSDC	Nil	18/02/2019	6	Employability	Skill Development
CNC TURNING by APSSDC	Nil	04/09/2018	6	Employability	Skill Development

NX DESIGN by APSSDC	Nil	04/09/2018	6	Employability	Skill Development
Workshop on G4 commercial building design and building information modeling using Tekla software by IITK	Nil	08/03/2019	3	Employability	Skill Development
Embedded IOT Certification by APSSDC	Nil	12/11/2018	26	Employability	Skill Development
IOT-I Workshop by APSSDC	Nil	07/09/2018	4	Employability	Skill Development
iBoot Up IoT series by Andhra Pradesh Innovation Society	Nil	16/08/2018	3	Employability	Skill Development
IOT-II Workshop by APSSDC	Nil	11/09/2018	4	Employability	Skill Development
NI LAB VIEW by APITA AKC	Nil	04/09/2018	3	Employability	Skill Development
Machine Learning workshop by JNTUK	Nil	02/03/2019	2	Employability	Skill Development
Code Debugging in TECHNOZION-2018 by NITW	Nil	29/09/2018	2	Employability	Skill Development
Humanoid Robotics by Uthkranthi	Nil	28/09/2018	3	Employability	Skill Development

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	ME - Design for Manufacturing (UG)	11/06/2018
BTech	ME - Non-Destructive Evaluation (UG)	05/11/2018
BTech	ECE - RADAR SYSTEMS	11/06/2018

BTech	ECE - SATELLITE COMMUNICATION	05/11/2018
BTech	EEE - INSTRUMENTATION	11/06/2018
BTech	EEE - ENERGY AUDIT CONSERVATION AND MANAGEMENT	05/11/2018
BTech	CE - Ground improvement techniques	11/06/2018
BTech	CE - Water shed Management	05/11/2018
Mtech	TE - Renewable Energy Technology (PG)	27/08/2018
Mtech	TE - Thermal and Nuclear Power Plant (PG)	11/02/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Computer Science Engineering	11/06/2018
BTech	Electronics & Communication Engineering	11/06/2018
BTech	Mechanical Engineering	11/06/2018
BTech	Electrical and Electronics Engineering	05/11/2018
BTech	Civil Engineering	05/11/2018
Mtech	Thermal Engineering	17/09/2018
Mtech	Thermal Engineering	27/08/2018
MBA	Master of Business Administration	13/08/2018
BTech	Computer Science Engineering	05/11/2018
BTech	Mechanical Engineering	05/11/2018
MBA	Master of Business Administration	09/01/2019
Mtech	Thermal Engineering	11/02/2019

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

	Certificate	Diploma Course
Number of Students	596	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
Workshop on Rivet	26/09/2018	31

Architecture		
R and AC Workshop National engineers	12/12/2018	79
A 6 Day Student Training Workshop on Essential's to NX Nastran Siemens COE	04/09/2018	48
A 6 Day Student Training Workshop on NC Part programming Siemens COE	20/08/2018	63
A 6 Day Student Training Workshop on ROBCAD Siemens COE	07/01/2019	68
Two week Student Training Workshop on ROBCAD Siemens COE	11/02/2019	68
A 6 Day Student Training Workshop 2nd phase of NC Part programming Siemens COE	25/02/2019	69
Google Android Developer Fundamentals	23/08/2018	46
Advanced Python	27/08/2018	72
Python Basics	30/08/2018	64
Cyber Security	06/09/2018	47
Programming challenges using C (Advanced)	25/02/2019	72
Cyber Security	25/02/2019	59
Workshop on Autocad	11/02/2019	35
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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	10
BTech	Electrical and Electronics Engineering	26
BTech	Mechanical Engineering	51
BTech	Electronics & Communication Engineering	5
BTech	Computer Science & Engineering	24
MBA	HR, MARKETING	52
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained
<p>The institution collects the feedback on curriculum from various stakeholders such as Students, Faculty, Employers, Alumni and Parents. Institution established Academic Council in order to ensure and analyze the academic excellence at student and faculty levels. Feedback of students on teaching of the courses, feedback of the students on curriculum, Exit feedback of students, feedback of parents, feedback of stakeholders are in place. Feedback of students on the teacher will be obtained twice in a semester on various parameters those influence teaching - learning process. The voice of the students on each parameter are analyzed and relevant suggestions and guidance will be given to the teacher concerned. Further, the teacher is monitored on the corrective measures implemented for increasing the effectiveness of teaching and enhancing learnability of the students. In the process of effective implementation of OBE, the views of the students, experts from academia and industry will be obtained on Vision, Mission, PEOs, PSOs, POs and Cos. The collective opinions and suggestions are analyzed and considered as input in defining / redefining them. At the end of final year, the exit feedback will be obtained from the students on academic and administrative parameters also. Their unbiased observations will be considered in modifying the policies and procedures. The feedback of Parents will also be periodically obtained and analyzed for arriving at the corrective measures for betterment of learning environment of the college. The provided feedback data is presented in the Academic Council Meeting for necessary implementation in curriculum.</p>

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, EEE, ME, ECE, CSE	576	482	482
MBA	HR, MARKETING	120	117	117
Mtech	PSCA, TE	48	19	19
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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	1093	201	100	14	4
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2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
118	63	17	11	1	5
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)

YES: Mentoring System: Purpose of Counseling and mentoring is to enhance: • Academic achievement • Personal growth • Career and employment opportunities This process has been established as 'Mentoring System'. Each faculty will be the mentor of a group of 15 to 20 students. First year students will have mentors from the department of Science and Humanities and second, third, fourth year students will have mentors from the parent department. Departmental faculties will continue to be mentors for the same group of students till their graduation. Maintain a detail progressive record of the students. Maintain a brief but clear record of all discussions with students. HOD: The HOD will meet all mentors of his/her department at atleast twice a month to review proper implementation of the system and advice mentors wherever necessary, HOD will also participate in the process of mentoring by taking with minimum two students randomly from each mentee group in order to minimize dropouts and maximize academic performance through personal counseling, and helping students to relieve all their tension and worries, record the minutes in a book. Contact parents/guardians if situation demands e.g. academic irregularities, unauthorized absenteeism, negative behavioural changes and interpersonal relations, detrimental activities etc. Potential and enthusiastic students are mentored for presenting papers and posters in technical symposia, developing models and Apps, participating in Hackathons. Junior students will be guided and mentored by senior students on co-curricular and extra-curricular aspects. Faculty advisors will motivate and guide students to organize service activities. Focus of the institution is to achieve whole some development of students. Type of Mentoring done are: • Professional Guidance regarding professional goals, selection of career, higher education. • Career advancement regarding self employment opportunities, entrepreneurship development, morale, honesty and integrity required for career growth. • Course work specific regarding attendance and performance in present semester and overall performance in the previous semester. • Lab specific regarding Do's and Don'ts in the lab. Frequency of meeting: Weekly or Need based.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1712	118	1:15

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
23	23	Nil	23	11

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. K.S.D.L. Kalyan Prasad	Associate Professor	Doctorate degree from GITAM

			University
2019	Dr. R.S.R.Krishnam Naidu	Associate Professor	Doctorate degree from GITAM University
2018	Dr.V.V.Ravi Kumar	Associate Professor	Doctorate degree from NIT Tiruchy
2018	Dr T.V.S Sri Ram	Associate Professor	Doctorate degree from GITAM University
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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
BTech	R13	4 1	08/11/2018	03/12/2018
BTech	R16	3 1	06/11/2018	15/12/2018
BTech	R16	2 1	08/11/2018	26/12/2018
BTech	R16	1 1	15/11/2018	07/01/2019
BTech	R13	4 2	30/04/2019	25/05/2019
BTech	R16	3 2	07/05/2019	07/06/2019
BTech	R16	2 2	08/05/2019	19/06/2019
BTech	R16	1 2	11/05/2019	08/07/2019
MBA	R16	I SEM	09/01/2019	25/03/2019
MBA	R16	III SEM	27/12/2018	23/02/2019
Mtech	R16	I SEM	11/02/2019	03/05/2019
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2.5.2 – Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

As an affiliated institution of JNTUK, evaluation norms of the university are followed. The college has adopted a method of assessing the academic performance of the students on a continuous basis .a) Theory subjects: Two internal midterm exams will be conducted. As per R13 regulations the better performance in either of the examinations is considered. Whereas, as per R16 regulation the better performance will carry 80 and other one carries 20 of weightage. The marks allotted for internal exams are 25, Assignment for 5 marks and to that of external exams are 70. In this frame work, the college conducts the following components as part of internal exams. Objective Question Paper (10 marks). Multiple choice and fill in the blank questions are given by university. Descriptive Question Paper (15 marks) and Assignments (5 marks) comprises of class tests, written assignments, seminars and classroom interaction. Marks will be awarded for all the above activities and the average is taken as the assignment marks. To bring uniformity in evaluation in scripts by fresh recruits, the scripts are scrutinized by seniors randomly and anomalies are pointed out to them. Special tests for slow learners. The students will be informed the mistakes committed and guided to improve their performance in next examinations. Each student is encouraged to give seminars

in the class. b) Practical subjects: For practical subjects, continuous evaluation during the semester for 25 sectional marks (15 for day to day performance and 10 for test), 50 marks for end examination. In this regard, the faculty will do the keen evaluation of day to day performance of the student for every experiment which includes regularity, procedure, results, viva and promptness in submission of records and the marks obtained are recorded against each experiment in the student record. Students were divided into batches and each batch will do a different cycle of experiments about which prior information is given to them. c) Continuous assessment in projects: As part of the internal assessment of project work, which is processed in final year, Project Review Committee (PRC) is formed for every department consisting of Head of the Department, Project in-charge and two senior faculty members to identify the projects. Students are formed into groups of 2 or 3. The groups collect the literature on a topic and review the literature and submit the title with objective, plan of action for title approval to PRC. Project Review Committee assesses and approves projects for each group. After obtaining the approval of the PRC the groups are allotted with a faculty member as their guide for the project and can start up the Project work. Review meetings will be conducted for the continuous assessment in project. Review-1 covers the explanation of abstract block diagram, Review-2 covers the implementation of the project and the Review-3 covers final presentation includes results and rough documentation.

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

Since the Institute is affiliated to JNTU Kakinada, it follows the broad academic calendar and examination schedule as determined by them. Within the scope of that academic calendar, a detailed academic calendar is prepared by IQAC in consultation with senior Professors for each program covering all the working days, internal exam schedules and other activities. Academic calendars, lesson plans and course files for all courses are shared in advance with students to help them, to prepare for a given semester. Along with academic calendar our institute will prepare the institution Academic calendar including the schedule of guest lecture, seminars, Technical fest, cultural fest, workshops, Technical Clubs, Creative Clubs and NSS Activities, Sports, and weekly test schedules. Remedial classes special classes will be conducted within the stipulated time of JNTUK academic calendar.

2.6 – Student Performance and Learning Outcomes

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

http://nsrit.edu.in/dept.php?d_id=1, http://www.nsrit.edu.in/dept.php?d_id=3, http://www.nsrit.edu.in/dept.php?d_id=2, http://nsrit.edu.in/dept.php?d_id=4, http://nsrit.edu.in/dept.php?d_id=5, http://www.nsrit.edu.in/dept.php?d_id=9

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
R13	BTech	CE, EEE, ME, ECE, CSE	231	187	80.60
R16	MBA	HR, MARKETING	31	28	90.32

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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://www.nsrit.edu.in/IOAC.php>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	365	PMKVY	11.75	11.75
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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
One Day orientation Program on " Intellectual Property Rights (IPR)"	IQAC	14/05/2019
A three day hands on Workshop on National Instruments Lab VIEW with Data acquisition in association with APITA	ELECTRONICS COMMUNICATION ENGINEERING, Electrical and Electronics Engineering	04/09/2018
A 5 Day Student Training Workshop on "Synchronous Modeling and CNC Turning Machining Operations", ROBCAD	MECHANICAL ENGINEERING	25/02/2019
Two Day Workshop on Mechatronics	MECHANICAL ENGINEERING	30/01/2019
Two Days Workshop on R and AC	MECHANICAL ENGINEERING	12/12/2018
6-Day Student Training Workshop on CNC Turning NX Design	MECHANICAL ENGINEERING	20/08/2018
6 Day workshop on REVIT structure	CIVIL ENGINEERING	18/02/2019
Real time applications on IOT using open source development board.	Electrical and Electronics Engineering	14/03/2019
A Six-day Workshop on Embedded IoT in association with APSSDC	ELECTRONICS COMMUNICATION ENGINEERING	07/09/2018
A 4 Week Workshop on An Introduction to Programming the IoT in association with APSSDC	ELECTRONICS COMMUNICATION ENGINEERING	12/11/2018

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
Self Generated E-Bicycle	Mr. M. Ajay Kumar, Mr. M. Venu Kumar, Mr. V. Kala, Mr. P. Santosh Kumar, Mr. P. Surendra, Ms. Ch. Bharathi	NSRIT	21/04/2019	Hardware Project
Study, Design and Fabrication of a 3D Printer Model	Mr. Ch. Gowriprasad, Mr. P. Srinu, Mr. S. Naveen, Mr. S. Mandeep Kumar, Mr. S. Deva Raju	NSRIT	02/04/2019	R and D Project - Prototype Model

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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	The TEAM CHERRY	NSRIT	The TEAM CHERRY	AMAZON CHEERY SHOPPING APP, AMAZON CHERRY BROWSER APP, College gate pass system	01/05/2018

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3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
5	0	0

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

Name of the Department	Number of PhD's Awarded
Mechanical Engineering	1
Computer Science and Engineering	1
Science and Humanities	1
Electrical and Electronics Engineering	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	Civil Engineering	4	7.27
International	Master of	3	0

	Business Administration		
International	Electrical and Electronics Engineering	3	0.67
International	Electrical and Communication Engineering	1	3
International	Mechanical Engineering	6	1
International	Computer Science and Engineering	3	0
International	Science and Humanities	6	0.05
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3.3.4 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Electronics and communication Engineering	1
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
Real time implementation of PFPID controller of Hybrid pole self-bearing SEM	R.S.R.Krishnam Naidu	International journal of engineering and technology	2018	0	Gandhi Institute of Technology and Management	Nil
Tensile and Wear Behaviour of Precipitation Hardened AA7xxx (Al-12Zn-3Mg-2.5Cu) Alloy	Dr.V.V.Ravi Kumar	Indian Journal of engineering materials sciences (SCI)	2019	0	NIT TRICHY	Nil
Characterization of banana natural fiber nano	Dr.P.Surya Nagendra	ICLIET SPRINGER (SCI)	2019	0	ANDHRA UNIVERSITY	Nil

composites by thermal analysis						
Investigations on the void coalescence and corrosion behaviour of titanium grade 4 sheets during single point incremental forming process.	Dr.V.V.Ravi Kumar	Anti-Corrosion Methods and materials (SCI)	2019	3	NIT TRICHY	Nil
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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
The Influence of Gripping Techniques on the Tensile Properties of Tendons	Dr. V. Krishna	Proceedings of the Institution of Mechanical Engineers, Part H: Journal of Engineering in Medicine	2018	3	60	NSRIT
GENERALIZED SELF-INVERTIBLE KEY GENERATION ALGORITHM BY USING REFLECTION MATRIX IN HILL CIPHER AND AFFINE HILL CIPHER	M.G.VARA PRASAD	International Journal of Pharmacy and Technology(Ijpt)	2018	2	7	NSRIT

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

Number of Faculty	International	National	State	Local
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Attended/Seminars/Workshops	1	41	Nil	Nil
Presented papers	6	Nil	Nil	Nil
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3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Awareness Program on Plastic Management	NSS	1	50
Womans' Day Celebrations	NSS	2	50
Awareness program on Health Talk " Essential HealthCare for Women"	NSS	2	100
Awareness programme on Road safety SADAK SURAKSHA- JEEVAN RAKSHA	NSS	6	100
NSRIT NSS unit, participated 70th republic day Celebrations at JNTU Kakinada.	NSS / JNTUK	1	8
National Voters Day	NSS	4	50
NSS UNIT Special camp program at Palavalasa Village, Anandapuram mandal, Visakhapatnam	NSS	7	100
World Energy Conservation Day	NSS	5	50
SWATCHHTA PAKHWADA	NSS	7	50
International Day of yoga	NSS	7	100
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3.4.2 – Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
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Awareness Programme On Road Safety "SADAK SURAKSHA-JEEVAN RAKSHA"	Recognition	AP Police Department	100
Awareness Programme On ANTI TOBOCO and ANTI ALCOHOL Consumption	Recognition	Palavalasa Gram Panchayat	100
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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 activities	Number of students participated in such activities
NSS	NSRIT	International Day of Yoga	25	100
NSS	NSRIT	SWATCHHTA PAKHWADA	2	50
NSS	NSRIT	WORLD ENERGY CONSERVATION DAY	10	50
NSS	NSRIT	NSRIT NSS UNIT Special Camp Program At Palavalasa Village, Anandapuram Mandal, Visakhapatnam	5	100
NSS	NSRIT	National Voters' Day	2	50
NSS	NSRIT	NSRIT NSS unit, participated 70th Republic Day Celebrations At JNTUK.	50	8
NSS	NSRIT	Awareness Programme On Road Safety "SADAK SURAKSHA-JEEVAN RAKSHA"	10	100
NSS	NSRIT	Health Talk "Essential Health Care for Women	15	50
NSS	NSRIT	Women's Day	25	100
NSS	NSRIT	Awareness Program on	12	50

plastic
management

[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
Workshop	78	Self	15
Workshop	64	Self	3
Workshop	37	Self	6
Workshop	46	Self	6
Workshop	43	Self	6
Workshop	45	Self	9
Workshop	26	Self	2

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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
On Job Training	GSY Technologies	GSY Technologies	01/07/2018	01/06/2019	25

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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
NRDC	01/04/2019	Research and Development	50
GCGEMS – GC German center for Engineering and Management studies UG Hachen and European center for Mechatronics APS GmbH Aachen	15/02/2019	Skill Training	50
Centre of Excellence in Maritime Shipbuilding (CEMS)	25/09/2019	Skill Training	60
Andhra Pradesh State Skill Development	21/06/2019	Skill Development	180

Corporation			
Studenting Era to facilitate students service	08/05/2019	Training services for students	60
Reference Globe-College Promoted Students	05/09/2018	Train the trainer and Industry oriented	50
Sahuwala Cylinders Pvt. Limited (SCPL)	12/05/2018	Train in the field of Manufacturing development	60
CATIA V5 R21	30/01/2018	Skill Training	60
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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
14000000	13301759

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Newly Added
Others	Existing
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Laboratories	Newly Added
Laboratories	Existing
Class rooms	Newly Added
Class rooms	Existing
Campus Area	Newly Added
Campus Area	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
1. ENGINEERING COLLEGES AUTOMATION PACKAGE (ECAP)	Fully	2019	2016
2. BEES	Fully	2008	2008

Existing	583	10	50	1	1	1	7	50	0
Added	0	0	0	0	0	0	0	0	0
Total	583	10	50	1	1	1	7	50	0

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

50 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
Mechanical Engineering	http://www.nsrit.edu.in/dept_eresource.php?d_id=2
Computer Science Engineering	http://www.nsrit.edu.in/dept_eresource.php?d_id=5
Electronics Communication Engineering	http://www.nsrit.edu.in/dept_eresource.php?d_id=4
Electrical and Electronics Engineering	http://www.nsrit.edu.in/dept_eresource.php?d_id=3
Civil Engineering	http://www.nsrit.edu.in/dept_eresource.php?d_id=1
Master of Business Administration	http://www.nsrit.edu.in/dept_eresource.php?d_id=9

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
4200000	3913577	2400000	2309131

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)

There are established system and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. The institution has the structured system for maintaining the support systems of the institute to allow uninterrupted access to facilities for teaching and learning. The institution has the policy of replacing or upgrading the existing equipment to meet the changes in the syllabus made by the university from time to time. a) Maintenance of infrastructure: The maintenance staff of the institute undertake routine checks to ensure proper upkeep and maintenance of the buildings. Carrying out minor repairs of furniture, electrical and sanitary fittings. Ensuring the general and fire safety procedures and its equipment maintenance in the campus. Separate ground staff involve in maintenance of the gardens, lawns and

surroundings. Maintenance of the roads, RO Plant, water tanks and other services in the compound. Sweepers and a supervisor are also regularly allotted to maintain hygienic environment in the college with respect to cleaning of floors, corridors, classrooms, toilets etc. b) Electrical maintenance While maintenance of Diesel Generators, UPS systems and its batteries are routinely done by in-house personnel they are regularly maintained under AMC with local vendors. Maintenance of Building and equipment earthing - measurement of earth resistance at regular intervals, ensuring the proper earth connection for various equipments in the labs and classrooms. c) laboratory maintenance: Record of maintenance account is maintained by lab technicians and supervised by HODs of the concerned departments. Other measures to maintain laboratories are as follows: Calibration of the equipment/instruments is taken up by the respective departments every semester/year as and when required based on or according to the time frequency suggested by the supplier. Any deviation in this regard will be noted and necessary steps are initiated by calling for the technicians from the supplier Steps taken for location, upkeep and maintenance of sensitive equipment (voltage fluctuations, constant supply of water etc.)

d)Library : The library committee convene twice each year and identify the requirement of books and journals. The requirements are forwarded to governing body through the principal for sanction and approval. The requirement and list of books is taken from the concerned departments and HoDs are involved in the process. The finalized list of required books is duly approved and signed by the Principal. Suggestion box is installed inside the reading room to take users feedback. Their continuous feedback helps a lot in introducing new ideas regarding library enrichment. To ensure return of books, 'no dues' from the library is mandatory for students before appearing in exam. The proper account of visitors (students and staff) on daily basis is maintained. Other issues such as weeding out of old titles, schedule of issue/ return of books etc are chalked out / resolved by the library committee. e) sports facilities: The maintenance and ground staff support the maintenance of the sports facilities under guidance of the physical director. Up gradation of facilities are done after approvals from governing body. The IQAC members regularly conduct audits and report any deficiencies found. f) Class room maintenance: NSRIT has its own workshop where few furniture repair works are carried without any charges. There are technicians, masons, plumbers, carpenters deputed by management who ensure the maintenance of classrooms and related infrastructure.

<http://www.nsr.it.edu.in/IQAC.php>

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	NSRIT INSTITUTION SCHOLARSHIP	867	7374900
Financial Support from Other Sources			
a) National	FEE REIMBURSMENT	944	16875409
b)International	NA	Nil	0

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved

Bridge Courses	11/06/2018	577	Faculty of the Concerned Subject
Bridge Courses	19/11/2018	577	Faculty of the Concerned Subject
National Sports Day	29/08/2018	30	Department of physical Education
Personal Counselling	11/06/2018	43	Mentors of the Concerned Department
Personal Counselling	19/11/2018	44	Mentors of the Concerned Department
Mentoring	11/06/2018	522	Mentors of the Concerned Department
Mentoring	19/11/2018	521	Mentors of the Concerned Department
Remedial Classes	11/06/2018	139	Faculty of the Concerned Department
Remedial Classes	19/11/2018	152	Faculty of the Concerned Department
National Yoga Day	21/06/2018	100	Department of physical Education

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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 passed in the comp. exam	Number of students placed
2018	CRT for II B.Tech.	347	347	Nil	Nil
2018	CRT for III B.Tech.	230	230	Nil	Nil
2018	CRT for IV B.Tech.	232	232	7	176

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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
17	15	7

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
RIDSYS, VIRTUOSO, NINE LEAPS, IMPERIAL SOCIETY OF INNOVATIVE ENGINEERS, WIPRO, INSTITUTION SOFTWARE, TECHNOLOGICS GLOBAL PVT LTD, WESTLINE SHIPPING, SUN ELECTRIC, WONJIN AUTO PARTS INDIA PVT LTD, SAVANTIS, ASHIS INDIA GLASS PVT LTD, RAAM GROUP, WIPRO	1623	213	TCS, SYNTELL, PARTIAN TECH NOLOGIES, ABIBA SYSTEMS, CONVERGES, INFOSYS, VAX CONSULTANTS PVT LTD, COLOUR MOON TECHNOLOGIES , AMAZON, TECH MAHINDRA	389	20
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5.2.2 – Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	1	B.TECH	ECE	UNIVERSITY OF TASMANIA	MS
2018	1	B.TECH	ECE	M.V.G.R COLLEGE OF ENGINEERING	M.Tech
2018	4	B.TECH	EEE	NSRIT, NIT Mizoram	M.Tech
2018	1	B.TECH	ME	NSRIT	MBA
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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	1
Any Other	1

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

Activity	Level	Number of Participants
Womens Day - 2019	Institute level	80
JNTUK Zone - A Games Meet (Men)	National Level	1200
NSRIT Cricket league	Institute level	150
National Sports Day	Institute level	40
Diploma Intramural Sports	Institute level	250
Engineering Intramural Sports	Institute level	180

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	National Participation	National	1	Nil	16NU5A0234	Mr.S.Ram anjaneyulu
2019	State Level Bronze Medallist	National	1	Nil	16NU5A0234	Mr.S.Ram anjaneyulu
2019	State Level	International	Nil	1	18NU1A0532	K Sai Kaivalya

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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)

To inculcate leadership skills, organizing skills and to also play an active part in the day to day academic and co-curricular activities of the institution, students are appointed in various academic and administrative committees. Students' of the college works for the benefit of the students throughout the year and pursues several activities within and outside the college campus. The various committee in which students representation is there Admission committee, R and D Consultancy, Timetable Committee, Examination Committee, Entrepreneur Development Committee, NSS Committee, Anti-Ragging Committee, Disciplinary Committee, Editorial Committee, Transport Committee, Professional Society Activity, Alumni Committee, Social Welfare Committee, Hospitality/ Event Committee, Sports Committee, Canteen Committee, Library Committee, Planning, Approvals, Accreditations and Certification Committee and Women Empowerment and Grievance Committee. The major activities pursued by the Students' are Cultural Activities, Clubs, Enchanting evening, Yoga Day, Sports Day, NSS, Freshers day, Orientation Day, Achievers day, Annual Day, Tech Fest, National Festivals (Durga Pooja, Saraswati Pooja, Ganesh chaturthi etc.), Sankranthi Samskruthi Celebrations. Sports Activities like Organisation of intramural Tournament, Organisation of intra college Cricket Tournament,

Organisation of Annual Sports of the college. Other Activities: National Service Scheme Activities.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

YES. The mission of the Alumni Association, is to reach, engage and serve all alumni, present students by networking with one another to foster a lifelong intellectual and emotional bond between the college and its graduates. As with almost all success stories, this college's road to success has also been full of ups and downs, and 'NSRIT ALUMNI ASSOCIATION', (NAA) the Alumni Association of this college, has always been with this college like the hanging stilts of a Banyan tree, giving allaround support and providing refreshing nourishments. Through rigorous hard work 'NAA' has become the central point of connection for all the people associated with the College and looks forward to continue it. It bridges the gap between the new and the old, providing a mutually beneficial environment. It rejuvenates the very roots of the institution, ensuring a beautiful future, through interactions between the past and the present. Here it would be a good place to stop and acknowledge the fact that the efforts of 'NAA' would not have been fruitful without the encouragement and complete support of the college authority.

5.4.2 – No. of enrolled Alumni:

283

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

28300

5.4.4 – Meetings/activities organized by Alumni Association :

1

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The College follows the policy of decentralization. The Governing Body delegates all the academic and non-academic decisions based on policy to the College Academic Committee headed by the Principal. The College Academic Committee formulates common working procedures and entrusts the implementation through departments. The department coordinator manages the day to day activities of the department and keeps a track of co-curricular and extra-curricular activities in the College. Other units of the college like sports, arts, library etc. have operational autonomy under the guidance of the various committees and feedback from students is involved in the decision-taking process. Participatory management may result in a more effective management framework. Decentralization Institute offers mechanism for delegating authority and providing operational authority to all the various functionaries to work towards decentralized system. The Governing Body delegates all the academic and operational decisions based on policy to the college Academic Committee headed by the Principal in order to fulfill the vision and mission of the institute. College Academic Committee formulates common working procedures and entrusts the implementation with the faculty members. Faculty members are given representation in various committees/cells and allowed to conduct various programs to showcase their abilities. They are encouraged to develop leadership skills by being in charge of various academic, co-curricular, and

extracurricular activities. They are given authority to conduct industrial tours /seminars/workshops/conferences/FDPs etc. For effective implementation and development of the institute necessary committees are formed. Other units of the institute like sports, library, store etc. have operational autonomy under the guidance of the various committees/cells. The institute promotes a culture of participative management by involving the staff and students in various activities. All decisions of the institution are governed taking into account facts, information and objectives. Faculties and students express any suggestions to improve any aspect of the Institute. The principal, Vice-Principal, HODs and staff members involve in all the policies and procedures framing guidelines rules regulations pertaining to admission, discipline, grievance, counseling, training development, placement etc., and effectively implement the same. Principal, Vice-Principal, HODs are involved in deciding academic activities and examinations to be conducted by the college. At functional level the faculty members participate in sharing the knowledge by discussing on the latest trends in technology during faculty meeting. Professors and faculty members pursuing higher degrees write joint research papers and share their knowledge. The principal of the institution is the member secretary of the Governing Body. The Governing Body gives suggestions regarding introduction of new programs and welfare activities. Office staff are involved in executing day to day support services for both students and faculties.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	Being an affiliated college, directly we are not authorized to change the curriculum but wherever necessary we are teaching contents beyond curriculum so as make the students ready to face the present day challenges. The faculty members prepare the course file which comprises of syllabus, individual time-table, lesson plan, lecture notes and assignments for their respective subjects prior to the beginning of the semester. In addition to the lesson plan, lab manuals for the laboratory classes are prepared for each subject by the faculty and distributed to the students.
Industry Interaction / Collaboration	Process was initiated to follow Bloom's Taxonomy in framing the Course Outcomes in all the courses apart from the COs given by the university. Made it mandatory for all the Teachers and interested students to register for NPTEL courses. During Tutorial classes and Leisure periods we are playing the NPTEL videos on important and difficult topics to make students understand the concept better. to monitor the progress

	of work done by faculty, day reports and monthly reports were collected.,
Human Resource Management	<p>Motivating and facilitating the faculty members to participate in Refresher Orientation courses.</p> <p>Appointment of a doctor, who visits the college, for facilitating health check-up of the teaching and non-teaching staff. Industry Interaction / Collaboration : College maintains regular interaction with a number of Industry Houses like Skypro Technologies, Ridsys, RAAM Group, Tele Performance, JRA , HGS etc. These industrial organizations participate in the Campus Hiring Drive organized not by the college every year. Industrial visits to NSTL, RINL, All India Radio Visakhapatnam etc.. And the like by the UG Students broaden the real life experience of the students. Eminent members from industries act as visiting faculties.</p>
Library, ICT and Physical Infrastructure / Instrumentation	<p>Motivates faculty members for research publications in peer reviewed journals with high impact factor. Encourages them to present papers in International/National/State Level Seminars, workshops and to act as resource persons. Exhibits the publication of research work of the faculty members in the college library to inspire further research. College explores various funding agencies for sponsoring major / minor projects. (DBT, DST, ICSSR, UGC etc.) Motivates the faculty members and the students to organise various seminars workshops at Institutional / State / National / International levels.</p>
Research and Development	<p>All the books were Bar coded and issue of books was made automatic through our ECAP. 20 dedicated systems were provided in the main library to strengthen the Digital library. Barrier free facilities were implemented like Lift , Toilets and Ramps for physically challenged people in all the blocks.</p>
Examination and Evaluation	<p>Motivating and facilitating the faculty members to participate in Refresher Orientation courses.</p> <p>Appointment of a doctor, who visits the college, for facilitating health check-up of the teaching and non-teaching staff. Industry Interaction / Collaboration : College maintains</p>

	<p>regular interaction with a number of Industry Houses like Skypro Technologies, Ridsys, RAAM Group, Tele Performance, JRA , HGS etc. These industrial organizations participate in the Campus Hiring Drive organized not by the college every year. Industrial visits to NSTL, RINL, All India Radio Visakhapatnam etc.. And the like by the UG Students broaden the real life experience of the students. Eminent members from industries act as visiting faculties.</p>
Teaching and Learning	<p>College maintains regular interaction with a number of Industry Houses like Skypro Technologies, Ridsys, RAAM Group, Tele Performance, JRA , HGS etc. These industrial organisations participate in the Campus Hiring Drive organised by the college every year. Industrial visits to NSTL, RINL, All India Radio Visakhapatnam etc.. And the like by the UG Students broaden the real life experience of the students. Eminent members from industries act as visiting faculties.</p>
Curriculum Development	<p>AP EAMCET and APECET are state level entrance exams which offers admissions into various UG Courses in first year and second year through lateral entry respectively offered by Colleges in Andhra Pradesh. Strict observance of Govt. Rules for Reserved Categories.</p>

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

E-governance area	Details
Finance and Accounts	<p>The college uses the ECAP software for E-governance for transparent functioning of Finance and Accounts department of the college. This helps to increase the efficiency of staff towards the accuracy in financial transactions. The college conducts regular audit of annual books of accounts. The administrative office keeps the all financial records separately as per the events and transactions made for. The administrative office maintains the Books of Accounts properly which helps in auditing procedure.</p>
Planning and Development	<p>Implemented SMS system for dissemination of information including regular notice to all stakeholders.</p>
Administration	<p>The Administration of the College is functions with E-governance system .</p>

With the help of developed technological world college staff uses the same for administration purpose. Such as use of Smartphone with inbuilt social app like Gmail , and Google Smart Classroom they share the notes to students. It helps to provide the brief notice of any event to be happened on college website for awareness and of smooth functioning of the same. The college have Biometric attendance for teaching and non-teaching staff. The college campus is equipped with CCTV Cameras at every place of need.

Student Admission and Support

The most important key factor of the college toward the students admission and support is that college has system which allows the student to take admission at the initial stage of admission process of every academic year. The College has ECAP software for the admission purpose. College has extended helping counter for the students which provides them several services as such Admission form Filling, Examination form filling as well as Scholarship Form filling at one place only. This service counter protects the students from outside service centre where they need pay fees for it. The Helping counter i.e. service centre provided at college is free of cost. The College has provided the facility to the students for linking the contact number with aadhaar card which was mandatory for the students as per the government rule.

Examination

The College has the separate Examination department with equipped ICT tools necessary for examination purpose. As per the requirement of Examination department all the necessary equipment are provided by the college such as Separate Desktops and Internet Facility for online procedure of Paper Downloading and further activities for exam purpose. The examination department has the separate Machine for printing the question papers downloaded from university portal.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended	Name of the professional body for	Amount of support
------	-----------------	--	--------------------------------------	-------------------

		for which financial support provided	which membership fee is provided	
2018	Mr. J.Suresh Kumar	International conference on recent advances in materials manufacturing technologies on 19-20 Nov,2018 at Marri Laxman Reddy Institute of Technology Management, Hyderabad	MLRIT, Hyderabad	2500
2018	Mr. Ch. Kranthi Kiran	Applied Robotic Control	German Centre for Advanced Engineering and Management Studies UG and APS GmbH-European Centre for Mechatronics	75000
2018	Mr.A.M Prasad	Experimental PEM investigation on proton exchange membrane (fuel cell using different serpentine flow channels	MLRIT, Hyderabad	2000
2018	Mr.P.Hara Gopal	Repair renovations of structures	NITTTR, Chennai	2000
2018	Mrs.S.Pavani	Effective teaching and learning practices for design and operation of water supply systems	MLRIT, Hyderabad	2000
2018	Mr. Ch.V.V.S.S.R. Krishna Murthy	Applied Robotic Control	German Centre for Advanced Engineering and Management Studies UG and APS GmbH-European Centre for Mechatronics	75000
2018	Mr. J.Suresh Kumar	One week FDP on Advances in	EICT Academy NIT Warangal	2500

		computational fluid dynamics: methods and applications using MATLAB and ANSYS-Fluent from 6th may to 11th may 2019 at NIT Warangal.		
2018	Mr. P.Prem Kumar	Two week summer FDP on Important Engineering Subjects HT DMM-1 on 02-05-2019 to 14/05/2019	JNTUK	2000
2018	P.Kavya M.Anil Kumar	CISCO INTERNATIONAL CONFERENCE	CISCO INTERNATIONAL CONFERENCE	8000
2018	K.Bala Siva	6 Day FDP on improving teaching skills in the subject MPMC from 9/5/19 to 14/5/2019, 6 Day FDP on improving teaching skills in the subject Control Sysyems from 2/5/19 to 7/5/2019	JNTUK	2000
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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)
Nil	Workshop on Research methodology	NA	26/10/2018	26/10/2018	9	Nil
Nil	One week FDP on Outcome based education and its im	NA	21/05/2019	26/05/2019	40	Nil

	plementation in association with NITTTR, Chennai					
Nil	NA	Microsoft PPT, Microsoft Excel, Microsoft word	03/11/2018	09/11/2019	Nil	11
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
database design and programming with SQL by APITA	3	27/08/2018	31/08/2018	5
IT essentials by CISCO	2	12/11/2018	15/11/2018	4
introduction to cloud computing	2	13/05/2019	14/05/2019	2
experimental investigations on proton exchange memberane (PEM) on fuel cell using different serpentine flow channels5	5	19/11/2018	20/11/2018	2
Best practices on flood prevention, protection and mitigation4	4	29/09/2018	29/09/2018	1
Remote sensing and digital image processing of satellite data	1	30/08/2018	05/09/2018	7
FDP on Repair renovations of structures	1	26/11/2018	30/11/2018	5

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
118	118	46	46

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Transport facilities, Employee provident fund (EPF), Group insurance, Maternity and paternity leaves, Wi-Fi, RO Plant, Library, Canteen, Medical Facility, Orientation Programme, Refresher Course, Vacation Leave, Casual Leave, Compensation Leave	Non teaching: Administrative and skill development Training Programmes, Medical facility, ESI, PF, Transport facility, Medical Maternity leave, Group Insurance, Casual Leave, Compensation Leave, Vacation Leave	Transport facilities, Hostel Accommodation, Merit Scholarship, Wi-Fi, RO Plant, Library, Canteen, Medical Facility, Playground, Gymnasium, Clubs/Recreational Center, Government scholarships, Cash Awards, Earn while Learn

6.4 – Financial Management and Resource Mobilization

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

The college has very effective procedure for the management of financial resources. A fully computerized accounts section exists in the college and double entry system is followed to maintain the accounts of the college. All our financial transactions are transparent and each and every transaction is supported by the vouchers. All the collections are deposited in the bank and major expenditure, recurring and non-recurring are done through Cheques. Bank accounts are operated only by duly authorized persons. The institute has a mechanism for internal and external audit. We have our own internal audit mechanism where internal audit is an ongoing continuous process in addition to the external auditors. The institutional accounts are audited regularly by both Internal and statutory audits. So far there have been no major findings / objections. Minor errors of omissions and commissions when pointed out by the audit team are immediately corrected / rectified and precautionary steps are taken to avoid recurrence of such errors in future. The accounts of the college are subject to audit by the externally qualified Chartered Accountant appointed by the Governing Body before the end of each financial year. The last Audit was done during the year 2018 and there were no audit objections. The audit report by the external CA is placed before the governing body for appraisal

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
Management	53000	Cash awards, Merit awards

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6.4.3 – Total corpus fund generated

705000

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	JNTUK -Fact Finding Committee	Yes	Committee constituted by IQAC
Administrative	Yes	JNTUK -Fact Finding Committee	Yes	Committee constituted by IQAC

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

Providing valuable suggestion for development of the institution. Pointing out the weaknesses of the college related Departments and suggesting rectification. Communicating views which the students feel shy to communicate directly to the teachers about the college and the department.

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

Computer Training of the office staff so that they are able to handle the online admission and registration of students.

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

1. Research Development cell is established 2. Student with differential learning abilities are motivated constantly by the management and necessary support services are provided to make their campus life meaningful and motivating them to participate in all and extracurricular activities involving them in decisions making, search activities etc. 3. Internal Quality Assurance system was strengthened by constituting the IQAC of the institute, conduct of academic audit, adherence to academic schedule, analysis of performance and stakeholder feedback.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	No
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	ORINATION PROGRAM ON OUTCOME BASED EDUCATION	16/11/2018	16/11/2018	16/11/2018	45
2018	SEMINAR ON ABROAD EDUCATION	29/12/2018	29/12/2018	29/12/2018	150
2019	ONE DAY ORIENTATION PROGRAM ON INTELLECTUAL	14/05/2019	14/05/2019	14/05/2019	50

	PROPERTY RIGHTS (IPR)				
2019	SEMINAR ON RESEARCH METHODOLOGIES	16/05/2019	16/05/2019	16/05/2019	39
2019	ONE WEEK FDP ON OBE AND ITS IMPLEMENTATION	21/05/2019	21/05/2019	26/05/2019	40
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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
"Fem Flora" International women's day celebrations	08/03/2019	08/03/2019	205	Nil
Health Talk on Nutrition	08/03/2019	08/03/2019	208	Nil

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
60 Kw Solar power plant was installed in the campus with 200 units capacity per day with an amount of 40 lakhs, 20 percentage of the power bill was reduced due to this Solar Plant. Using electronic waste in IT workshop to educate the students, Vinyl Stickers, Campus road for promoting awareness against wastage of Water Electricity. Green Drive (Planting of trees) under Green Club. Installation of ample number of Power Saving LED lights in both Campus.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Ramp/Rails	Yes	2
Rest Rooms	Yes	2
Provision for lift	Yes	5

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	18/08/2	1		Clean E	50

			018		Swachhta Pakhwada	Environment	
2019	1	1	22/03/2019	1	Awareness Program on Waste (Liquid Solid) Management	Separation on Liquid and Solid Waste	50
2019	8	8	02/01/2019	8	Awareness Programs at Palavalasa Village	Education, Sanitation, Literacy Survey, Plantation, Cashless Transactions, Right to Vote, Childhood Marriages, Bad effects of Tobacco and Alcohol, Computer Education	100
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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)
NSRIT Service Rules	11/08/2018	WHEREAS it is necessary to define the terms and conditions of appointment and service of all the employees, i.e. Teaching and Non-Teaching persons employed in Nadimpalli Satyanarayana Raju Institute of Technology (NSRIT) and to provide for their duties, conduct and remuneration payable to them, the Management of NSRIT in exercise of the powers conferred by clause 10(i) of the Articles of the Society has made the following rules and regulations, for administration of the Institutions under their

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Motivational Seminar, Art of mind control	27/07/2018	27/07/2018	130
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

Energy conservation: Reducing the usage of A/C machines Ensuring that all computers have activated power management software to minimize energy consumption and put the computer in sleepy mode when not in use. Always turn off monitors. Adopt guidelines for extending the life of computers and components (i.e. follow manufacturers guidelines) and maximize (i.e. reuse, repair, recycle). Use electronic method for the information / circulation/ notices etc. (thus minimizing paper use) Use of renewable energy: The campus has a solar lighting system in the campus (64KVA). Plantation: The College has massive plants and trees on the campus and is a green campus in reality. Sufficient money is spent to keep the environment green. ewaste management: Efforts to reuse the eWaste like computers to teach the basics at the school level. Efforts to repair the computers and to be used for students and library. Wherever possible recycling is done. Planting of plants trees (both perennial seasonal) inside the campus.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Flag hosting by academic topper among girls on independence day 2. Flag hosting by academic topper among boys on republic day 3. Open House Programme for future engineers 4. Demonstrations (Entry level test on minor projects)

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

<http://nsrit.edu.in/admin/img/cms/Best-Practise2018-2019.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 distinctiveness of NSRIT consists mostly in creating for its students an ambience that provides a 'snooping environment' in the area of career and setting of goals for their social sustainability. To make benefit, the college is providing Campus Recruitment Training (CRT) classes, the performance of the institution in campus recruitment training (CRT) reaches highly to its vision, mission and aim of the institution and Design Space (DS) is a technical club which provides a platform to all our students to design their technical and nontechnical ideas in to real time applications. When something is the best it can be, or reaches the highest point, it is can be called exemplary and worth imitating. Design Space of the College is exemplary in that sense. It is a responsive, learning and continuously evolving learner's space that is guided by certain values. This space will provide the students and faculty to explore the basic and latest technologies happening in the world. DS aims to promote creativity, selflearning and productivity of all the students of the department which is achieved by conducting various interactive workshops, hands on fun teaching sessions and Talks. For the overall development of the students, Students were encouraged to be members of the following Technical and Creative

Clubs and Participate in both Technical and Creative Clubs activities.
Technical Clubs: Coding Club, Mobile App Club, Embedded Club, Robotics Club, Business Club, Maths Club. Creative Clubs: Multimedia Club, Dance Club, Music Club, Photography Club, Literary Club, Painting Club, Movie Making Club and Green Club.

Provide the weblink of the institution

http://www.nsrut.edu.in/oth_objective.php

8.Future Plans of Actions for Next Academic Year

To strive to work for better NIRF rankings. Improving Industry Academic Partnerships. Introduction of some more PG Programs. Enhancement of infrastructural facilities. Development of skills of the students by inculcating core values among them further by imparting valuebased education. Enhancing social compatibility of the students by giving better opportunity of social interaction through activities of NSS and the like. ISO Renewal. Applying for NBA. Permanent Affiliation. Applying for Autonomous status.