Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**NRI INSTITUTE OF TECHNOLOGY**
Name of the head of the Institution	**Dr.C.Naga Bhaskar**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**08662469665**
Mobile no.	**8333882444**
Registered Email	**nrihitech@rediffmail.com**
Alternate Email	**cnbhaskar@gmail.com**
Address	**Pothavarapadu(V), via Nunna, Agiripalli(M)**
City/Town	**Vijayawada (Rural), Krishna District**
State/UT	**Andhra Pradesh**
Pincode	**521212**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**19-Jul-2017**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**private**
Name of the IQAC co-ordinator/Director	**Mr. R. Vijay Krishna**
Phone no/Alternate Phone no.	**08662469666**
Mobile no.	**8331942954**
Registered Email	**nriit.iqac@gmail.com**
Alternate Email	**nrihitech@rediffmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://nriit.edu.in/aqar-iqac/

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://nriit.edu.in/nriautonomous-academic-calenders/

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accreditation	Validity	
				Period From	Period To
1	**A**	**3.21**	**2017**	**19-Jul-2017**	**18-Jul-2022**

6. Date of Establishment of IQAC	**20-Dec-2012**

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
FACULTY DEVELOPMENT	**03-Jul-2019**	**40**

PROGRAMME ON INSTRUCTIONAL DESIGN AND DELIVERY SYSTEM (IDDS)	3	
WORKSHOP ON BLOCK CHAIN TECHNOLOGIES	28-Jun-2019 2	300
QUALITY CONTROL IN CONSTRUCTION SECTOR	18-Jul-2019 1	120
OPPORTUNITIES FOR CIVIL ENGINEERS	27-Jul-2019 1	250
AWARENESS ABOUT OVERSEAS EDUCATION	27-Jul-2019 2	500
ORIENTATION AND INDUCTION PROGRAMME	09-Aug-2019 1	700
FREE MEGA MEDICAL CAMP	20-Sep-2019 1	500
FACULTY DEVELOPMENT PROGRAMME	03-Oct-2019 2	120
WORKSHOP ON DIGITAL MARKETING	21-Oct-2019 1	200
EFFECTIVE COMMUNICATION SKILLS FOR ENGINEERS, SCIENTISTS AND EDUCATORS	01-Nov-2019 1	700
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8. Provide the list of Special Status conferred 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
TRAINING & PLACEMENT CELL	PMKVYTI	AICTE	2019 365	1594725
ELECTRONICS & COMMUNICATION ENGINEERING	UNNAT BHARAT ABHIYAN	MHRD,AICTE	2019 1095	500000
MECHANICAL ENGINEERING	DST-NIMAT	NSTEDB,DST	2019 3	40000
COMPUTER SCIENCE & ENGINEERING	FACULTY DEVELOPMENT PROGRAMME	ELECTRONICS & ICT ACADEMY	2019 365	180000
COMPUTER SCIENCE & ENGINEERING	SKILL DEVELOPMENT CENTERE	APSSDC	2018 1825	1700000
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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 :	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)

Several workshops for Faculty/Students were planned and organized successfully

Developed a system and procedures for online teaching and evaluation during lockdown period.

Precautions /Measures in the campus against COVID-19 Unlock was initiated and implemented successfully

Faculty and students are further encouraged to take NPTEL and Coursera online certifications

Training programmes for students were conducted to enhance the employability skills of students.

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

Plan of Action	Achivements/Outcomes
Encouraging faculty members to enhance their teaching learning abilities	Faculty members are effectively using ICT facilities, LMS and Microsoft Teams .Several faculty development programmes were conducted
Hostel accommodations for girls	In the direction of providing residence to all students with adequate facilities.
Planned to conduct several faculty and student development programmes	Successfully conducted and organised all the programmes which were planned
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14. Whether AQAR was placed before statutory body ?	Yes

Name of Statutory Body	Meeting Date
GOVRNING COUNCIL	10-Dec-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	2020
Date of Submission	20-Jun-2020
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)	College Governing Council is the Apex body. Under its direction Academic Council, Boards of studies and Finance Committees perform their respective functionalities. The approval of the governing and other regulatory bodies is required for all the decisions taken by the Principal. The Convener of the college acts as the representative of the management. The Principal wields the power and is responsible for all financial, academic including conducting of examination and administrative matters. Principal periodically holds meetings with the Deans and Heads of departments and takes decisions related to all academic and administrative matters. These decisions align with the decisions of the statutory bodies. The Principal forwards these decisions to the regulating authorities. On their approval the decisions are informed and circulated among the heads of the departments for execution. HODs coordinate internal activities of their respective departments. General Administration: The College operates in both vertical and horizontal directions. HOD's disburses the information by conducting the faculty meetings/ through email/ SMS to the stake holders which include staff, students and their parents. Each programme is managed by a programme coordinator who works under the HOD.

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BTech	05	Computer Science Engineering	20/05/2019
BTech	05	Computer Science Engineering	13/09/2019
BTech	04	Electronics and Communication Engineering	25/05/2019
BTech	12	Information Technology	20/05/2019
BTech	03	Mechanical Engineering	29/06/2019
BTech	03	Mechanical Engineering	09/07/2020
Mtech	58	Computer Science Engineering	20/05/2019
MBA	E	Masters of Business Applications	27/06/2019
BTech	02	Electrical and Electronics engineering	12/06/2019
Mtech	52	Electrical and Electronics engineering	16/09/2019
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BTech	Computer Science Engineering	20/05/2019	Professional Ethics Human Values 18A2100802	20/05/2019
BTech	Computer Science Engineering	20/05/2019	Swayam/NPTEL/ MOOCS	20/05/2019
BTech	Computer Science	13/09/2019	Mini Project &18A2205901	13/09/2019

| BTech | Computer Science Engineering | 13/05/2019 | Aptitude and Reasoning & 18A2205492 | 13/09/2019 |

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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
BTech	Mechanical Engineering-Mini Project	13/09/2019
BTech	Mechanical Engineering-Seminar	20/05/2019
BTech	Information Technology-Mini Project	13/09/2019
BTech	Information Technology-SEMINAR	20/05/2019
BTech	Computer Science Engineering-SEMINAR	20/05/2019
BTech	Computer Science Engineering-MininProject	13/09/2019

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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	Civil Engineering	05/07/2019
BTech	Computer Science Engineering	05/07/2019
BTech	Electronics & Communication Engineering	05/07/2019
BTech	Information Tecnology	05/07/2019
BTech	Mechanical Engineering	05/07/2019
MBA	Masters of Business Applications	27/06/2019
BTech	Electrical and Electronics Engineering	12/06/2019
Mtech	Power Electronics and Drives	16/09/2019

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
NPTEL	17/12/2019	64
A one Week workshop on "LAND SURVEYING USING TOTAL STATION DGPS "	23/12/2019	110

NPTEL	17/12/2019	195
Workshop on "PCB Design"	23/09/2019	192
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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	Computer Science Engineering	25
BTech	Electronics & Communication Engineering	20
BTech	Information Technology	40
BTech	Mechanical Engineering	50
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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
Online feedback is collected from the current students on a 5 point scale and the Heads of the Departments periodically review the feedback. They give constructive comments to improve the quality of teaching and the teaching learning process for those faculty members who have secured low scores and negative comments, if any, in the feedback. This motivates them to improve their skills and abilities. If required training / orientation programmes are conducted/provided by professional experts to master the skills of the faculty members, thus improving the efficiency of teaching process. Alumni feedback is taken periodically to understand the emerging market trend. Feedback from the parents on curriculum, placements and teaching methodology is obtained during Parent – Teacher meeting sessions.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
Mtech	Computer Science Engineering	36	4	4
Mtech	Structures	24	20	20
BTech	Mechanical	180	55	55

	Engineering			
BTech	Information Technology	64	64	64
BTech	Electronics and Communication Engineering	180	180	180
BTech	Computer Science Engineering	198	198	198
BTech	Civil Engineering	120	33	33
Mtech	Digital Electronics and communication systems and	18	5	5
Mtech	Thermal Engineering	24	15	15
MBA	Master of Business Applications	60	20	20
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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	2704	74	165	20	47

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
187	169	50	52	16	10
[View File of ICT Tools and resources](#)					
[View File of E-resources and techniques used](#)					

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

The Institution has a system where a group of 20 students will be allotted to the faculty who will be acting as the Mentor/Counsellor. Their attendance, marks and performance will be regularly monitored by the mentor and corrective measures are initiated whenever needed through counselling by the mentor or by the Head of Department. Student profile which is collected at the time of their admission like their economic conditions, medium of instruction, etc., helps their incharge teacher to counsel them effectively. The record is kept updated till the students complete their degree and the status will be informed to Parents/Guardians regularly.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2778	185	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
72	72	Nill	72	5

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
2020	K. Prathyusha	Assistant Professor	Excellence in Reviewing
2019	M.SIVA CHENNAKESAVA RAO	Assistant Professor	Associate Member(AMIE)
2019	M.SIVA CHENNAKESAVA RAO	Assistant Professor	Chartered Engineer(CE)
2019	Dr. Surya kiran Chebrolu	Professor	The Innovative Global Scientific Research Educationalist-Professionals Awards Honors Convocation 2020
2019	Dr. Surya kiran Chebrolu	Professor	FSIESRP, Governing council of SIESRP.
2019	K. Prathyusha	Assistant Professor	Excellence in Reviewing
2019	K. Prathyusha	Assistant Professor	SPOC, SWAYAM-NPTEL
2020	K. Prathyusha	Assistant Professor	Excellence in Reviewing
2020	K. Prathyusha	Assistant Professor	Excellence in Reviewing
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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
Mtech	PG	I/II	17/02/2020	01/08/2020

Mtech	PG	I/I	16/09/2019	15/02/2020
BTech	UG	IV/II	18/11/2019	18/04/2020
BTech	UG	III/II	18/11/2019	18/04/2020
BTech	UG	II/II	18/11/2019	18/04/2020
BTech	UG	I/II	27/01/2020	04/07/2020
BTech	UG	IV/I	10/06/2019	02/11/2019
BTech	UG	III/I	10/06/2019	12/11/2019
BTech	UG	II/I	12/06/2019	09/11/2019
BTech	UG	I/I	05/08/2019	25/01/2020

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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nill	5775	0

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://nriit.edu.in/miscellaneous-iqac/

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
12	BTech	Information Technology	55	51	92.73
38	Mtech	Digital Electronics and Communication Systems	6	5	83.33
04	BTech	Electronics and Communication Engineering	179	128	71.50
01	BTech	Civil Engineering	91	71	71.85
87	Mtech	Structural Engineering	24	17	70.83
05	BTech	Computer Science Engineering	168	146	86.9
58	Mtech	Computer	4	4	100

00	MBA	Master of Business Applications	20	17	85
02	BTech	Electrical and Electronics Engineering	49	40	81.63
52	BTech	Power Electronics and Drives	9	9	100

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2.7 – Student Satisfaction Survey

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

http://nriit.edu.in/student-satisfaction-survey-sss/

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

No
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
International	Dr. Surya kiran Chebrolu	The Innovative Global Scientific Research Educationalist- Professionals Awards Honors Convocation 2020	01/01/2019	Governing council of SIESRP.
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3.2 – Resource Mobilization for Research

3.2.1 – 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	730	AICTE	5	2
Major Projects	730	AICTE	5	2
Major Projects	365	MSME	200	200

Major Projects	365	AICTE	2	2
Major Projects	365	AICTE	12	12
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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

4

3.3 – Innovation Ecosystem

3.3.1 – 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 one Week workshop on "LAND SURVEYING USING TOTAL STATION DGPS "	Civil Engineering	23/12/2019
Guest Lecture on "QUALITY CONTROL IN CONSTRUCTION SECTOR"	Civil Engineering	17/07/2019
Engineers day celebrations	Civil Engineering	15/09/2019
Two day workshop on Block Chain Technologies	Computer Science Engineering	28/06/2019
Faculty development programme on Artificial Intelligence and Deep learning	Computer Science Engineering	25/11/2019
Two Day Workshop on "PCB DESIGN" in association with Micro Link Peripherals Control Ltd.	Electronics and Communication Engineering	23/09/2019
Two day workshop on Block chain technologies	Information Technology	28/06/2019
Awareness programs on New Startups	Mechanical Engineering	30/01/2020
Project Expo	Mechanical Engineering	04/09/2019
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3.3.2 – 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
SPOC	K. Prathyusha	SWAYAM-NPTEL	01/12/2019	Role as a SPOC
Excellence in Reviewing	K. Prathyusha	International Journal of Land and Soil Science	01/01/2020	Reviewing
Excellence in Reviewing	K. Prathyusha	Advances in Research	01/01/2020	Reviewing

Excellence in Reviewing Excellence in Reviewing				
Excellence in Reviewing	K. Prathyusha	Journal of Experimental Agriculture International	01/07/2019	Reviewing
Excellence in Reviewing	K. Prathyusha	International Journal of Environment and Climate Change	01/01/2020	Reviewing
The Innovative Global Scientific Research Educationalist-Professionals Awards Honors Convocation 2020	Dr. Ch.Surya Kiran	The society of Innovative Educationalist Scientific Research Professional Accredited with Innovative Scientific Research Professional Malaysia Sdn Bhd	18/12/2020	Innovation
Recognition as an Extraordinary Performer	Extraordinary Performance	The Retired Power Engineers Charitable Trust	15/09/2019	Faculty

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3.3.3 – 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
NIL	NIL	NIL	NIL	NIL	Nill

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
Computer Science Engineering	2
Electronics and Communication Engineering	2
Information Technology	1
Mechanical Engineering	1

3.4.2 – 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	30	3.5
International	Computer Science	26	3

International	Electronics and Communication Engineering	31	1.8
International	Electrical and Electronics Engineering	13	2
National	Freshman Engineering Department	3	1
International	Freshman Engineering Department	9	2
International	Information Technology	14	2
National	Master of Business Administration	6	6
International	Mechanical Engineering	16	2
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3.4.3 – Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
Master of Business Administration	1
Electronics and Communication Engineering	2
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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
SYSTEM AND METHOD FOR AN AUTOMATIC INSPECTION OF RAIL TRACKS	Published	202041016336 A	22/05/2020
SYSTEM AND METHOD OF MONITORING AND CONSERVING ENERGY IN MOVABLE AND IMMOVABLE OBJECTS	Published	201941036573 A	20/09/2020
[View File](#)			

3.4.5 – 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
Robot assisted	Dr K V Sambasiva	International	2020	3	NRI INSTITUTE	1

brain wave sensor network in smart home environment for elderly person	Rao	journal of research				OF TECHNOLOGY	
Cloud computing based security applications for platforms building developments	Dr K V Sambasiva Rao	International journal for innovative engineering and management research (Elsevier)	2019	3		NRI Institute of Technology	1

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3.4.6 – 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
Multi Modal spatio temporal co-trained CNNs with single modal testing on RGB-D Based sign language gesture recognition	Sunitha Ravi	Journal of Computer Languages (SCI)	2019	Nill	Nill	0

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	Nill	226	24	24
Presented papers	35	7	Nill	Nill

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)

Computer Science Engineering	TCS-ION	TCS	2500000
Electrical and Electronics Engineering	House Wiring	NRI Group of Colleges	8500
Electrical and Electronics Engineering	Electrical Auditing	NRI Group of Colleges	6000
Mechanical Engineering	Aditya Infra	Aditya Infra	10000
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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
NA	NA	NA	0	0
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3.6 – Extension Activities

3.6.1 – 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
Planting Trees, Medical Checkup, Explaining about Social Apps	NSS	2	10
Planting Trees, Medical Checkup, Explaining about Social Apps	NRIIT-NSS UNIT	2	10
Swachh Bharat	NRIIT-NSS UNIT	1	25
Integral Rural Development Scheme(IRDA) Environmental protection and recycling	NRIIT-NSS UNIT	2	30
Medical Camp	NRIIT-NSS UNIT	6	50
Sapling Project	NRIIT-NSS UNIT	6	50
NO PLASTIC Campaign	NRIIT-NSS UNIT	5	30
Awareness on Mobile Banking	NRIIT-NSS UNIT	5	50
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3.6.2 – 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
NA	NA	NA	Nill
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3.6.3 – 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
Swachhta hi seva	NRIIT-NSS UNIT	Swachh Bharat UNIT	5	25
NSS	NSS	Awareness on Mobile Banking	1	25
NSS	NSS	NO PLASTIC Campaign	1	30
NSS	NSS	Sapling Project	1	50
NSS	NSS	Swachh Bharath	1	25
NSS	NSS	MEDICAL CAMP	1	50
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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
NA	NA	NA	0
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3.7.2 – 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
Internship Training	Training/ Certification Partner	SR INSTITUTE OF TECHNICAL TRAINING	01/07/2019	31/05/2021	110
Internship	Internship Partner	Construction Industry Development Council, New Delhi	01/07/2019	31/05/2021	0
Internship Training	Training/ Certification Partner	CAD CAM EXPERTS, /Vijayawada	01/08/2019	31/05/2021	90

| Internship Training | Training/ Certification Partner | Unique Survey Solutions, Vijayawada | 01/07/2019 | 31/05/2021 | 80 |

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3.7.3 – MoUs signed with institutions of national, international importance, other institutions, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Construction Industry Development Council, New Delhi	12/02/2019	Skill Training Program and Internships	Nill
CAD CAM EXPERTS, Vijayawada	26/07/2019	Certification Training	80
SR INSTITUTE OF TECHNICAL TRAINING	19/09/2020	Certification Training	110

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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
816.34	777.47

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

| EZ LIBRARY | Fully | 10.0 | 2011 |

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	21167	5707939	1853	1463520	23020	7171459
Reference Books	2631	1295500	100	50600	2731	1346100
e-Books	10100	33000	2050	22400	12150	55400
Journals	115	281520	17	281520	132	563040
e-Journals	6	1200000	2	360000	8	1560000
Digital Database	5	70800	Nill	Nill	5	70800
CD & Video	1138	Nill	121	Nill	1259	Nill
Library Automation	Nill	25000	Nill	25000	Nill	50000
Weeding (hard & soft)	32518	8613759	4118	2203040	36636	10816799
Others(specify)	18543	5707939	1746	1463520	20289	7171459

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
All the faculty	Subjects allocated for the semester-II in the A:Y-2019-20	Microsoft Teams	30/03/2020

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	1124	12	1124	2	126	10	30	100	0
Added	2	0	0	0	0	0	0	0	0
Total	1126	12	1124	2	126	10	30	100	0

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

200 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
NA	NA

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurredon maintenance of physical facilites
491.79	468.38	287.24	273.57

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)

1. The Institution provides for adequate availability of physical infrastructure for conduct of Academic, Sports and other Cocurricular activities, optimum utilization of academic assets like Classrooms, Labs and Workshop. The fact that the Institution today, has an excellent infrastructure, bears testimony to a wellestablished system of fore seeing requirements, planning ahead and project execution with a vision and then maintains the assets created to the highest standards. 2. All faculty members have been provided staff room other related rooms 3. Student common rooms are available. 4. Library is well equipped and is completely automated and high speed internet bandwidth is available. 5. Sports / Cultural Activities To promote students interest in sports and cultural activities. 6. An annual budget for maintenance of all Infrastructure facilities is catered for at the beginning of the year. 7. Maintenance of the Infrastructure Physical Infrastructure, maintained in house through a team of masons, Carpenters, Electricians Plumbers. 8.Maintenance of Service (Electrical, Plumbing and Sewage) and all other services are maintained by our in house team.

http://nriit.edu.in/miscellaneous-iqac/

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 Fee Concession	80	1500000
Financial Support from Other Sources			
a) National	Scholarship from Govt and others	1798	93503000
b)International	0	Nill	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability	Date of implemetation	Number of students	Agencies involved

enhancement scheme		enrolled	
Bridge Courses	05/08/2019	350	NRI Institute of Technology
Remedial classes	15/02/2020	300	NRI Institute of Technology
Student mentoring	26/11/2019	1200	NRI Institute of Technology
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2019	Admission day programme to Canada and UK by AECC Global	50	Nill	Nill	Nill
2019	Overseas education by World Wide Educational Consultant	200	Nill	Nill	Nill
2019	Motivational Skills and Career Opportunities	Nill	70	Nill	Nill
2019	Overseas Education by World Wide Educational Consultant	200	Nill	Nill	Nill
2019	ROWAN University USA	200	Nill	Nill	Nill
2019	In house GRE session by Global Tree	70	Nill	Nill	Nill
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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
2	2	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
Value Labs	245	5	InfyTQ	311	17

[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
2019	1	NRIIT -JNTUK	Civil Engineering	NRIIT	M.Tech (Structures)

[View File](#)

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

Items	Number of students selected/ qualifying
Any Other	3

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

Activity	Level	Number of Participants
Badminton	Inter Collegiate level (JNTUK)	4
Basketball	Inter Collegiate level (JNTUK)	5

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5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	First Prize	National	Nill	1	16KN1A0123	E.SANDHYA RANI

[View File](#)

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

To explore the hidden talents of the students, Institute had inaugurated various clubs like Literay, Ramanujan, Galileo Clubs. Students are given different roles in the clubs. These will develop leadership qualities, organising skils and interactive skills of the students. Various activities are conducted for each club and to inculcate service motive in the students, they

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

The NRIIT is truly proud of its brilliant alumni who are currently positioned all over the globe and have distinguished themselves in all spheres of high end engineering and technology. The main aim of the Alumni Association NRIIT is to coordinate the networking of all the NRIIT alumni and to create a single global NRIIT community. The Alumni Association NRIIT is an official unit of the Institute with the primary objective of facilitating the pleasant and friendly interface to all the NRIIT alumni/alumnae and creating a single semantic web of NRIIT fraternity. The Alumni Association NRIIT is a registered society with the objective of enrolling all alumni/alumnae as members of the association and facilitating active participation of the alumni/alumnae in appropriate activities, events, and initiatives of the Institute.

5.4.2 – No. of registered Alumni:

343

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

0

5.4.4 – Meetings/activities organized by Alumni Association :

2

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)

1. NRI Institute of Technology has created a welldefined transparent organizational structure with participative management through decentralization. The decentralized governance model is evident in every sphere as each department/faculty functions as a separate subunit, in deciding and implementing the studentcentric programmes and activities. The Governing Body delegates all the academic and operational decisions based on policy to the Academic Monitoring Committee headed by the Principal in order to fulfill the vision and mission of the institute. Academic Monitoring Committee formulates common working procedures and entrusts the implementation with the faculty members. The principal, academic director and staff members are involved in defining the policies and procedures, framing guidelines and rules regulations pertaining to admission, placement, discipline, grievance, counseling, training development, and library services etc., and effectively implementing the same to ensure smooth and systematic functioning of the institute. The Management is always open to discussion with the teaching and nonteaching staff which, in turn, encourages the involvement of the staff for the improvement of effectiveness and efficiency of the institutional process. There are regular meetings of office bearers and Management representatives. For the various programs to be conducted by the institute all the staff members will meet, discuss, share their opinion and plan for the event and form various committees involving students and coordinate with others. 2. Faculty members are given representation in various committees/cells and allowed to conduct various programs to showcase their abilities. All the staff members are involved in all the activities in the College. The senior staff members are appointed as convenors of various committees and are given full autonomy in decision making.

Various cocurricular and extracurricular activities are conducted through the students with officebearers. In this way the College grooms leaders at higher levels, teaching staff, nonteaching staff and students. The College makes sure that every faculty is involved in at least 2 or 3 committees of the College and representation from the student community is also ensured. The matters at the department level are discussed by the HOD with the faculty team in consultation with the Principal. This gives the faculty an enormous sense of belonging and pride in the institution and this brings out the best in them. Institution conducted various workshops and events by involving student communities, staff and faculty actively.

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
Curriculum Development	1. The Institute basing on the overall feedback of the students, faculty and industry assesses the existing curriculum and adds extra topics beyond the syllabus prescribed by the university. 2. A study is conducted to find the emerging technologies and societal needs and Industry persons also provide inputs related to their requirements during campus drives which helps in selecting elective courses that match the expected outcomes. 3. Practice sessions that relate to a topic are also identified and various workshops, seminars and guest lectures are conducted for better understanding of the contents by the students.
Teaching and Learning	1. The Institute continuously uses innovative methods of teaching, learning and evaluation process. Teaching and learning process adopts student centric approach to achieve the desired learning outcomes. 2. Self and active learning is inculcated among students through assignments and tutorials. 3. Interactive learning techniques such as seminars, video lectures, mini projects and major projects enrich the teaching and learning experience. 4. Apart from the JNTUK syllabus, special coaching is given o n communication skills, verbal, reasoning and aptitude techniques to prepare the students for competitive examinations and placements. 5. The faculty is encouraged to upgrade their knowledge by deputing them to participate in workshops, conferences,

	seminars, industrial training etc. 6. Lesson plans are prepared for uniform coverage of syllabus. 7. Appointment of Course Coordinators to ensure uniform course delivery. 8. Effective counselling mechanism is adopted for counselling the students.
Examination and Evaluation	1. The Institute has continuous evaluation system. Internal assessments are conducted as per the guidelines of the affiliating University. In addition, in the form of Tests, Assignments, Seminars, vivavoce and end semester final examination, continuous assessment of the student is done. 2. The internal marks and attendance details are communicated to their parents during the counselling sessions by the counsellors. 3. Question papers are set by experts by following Bloom's taxonomy. 4. Examination cell also communicates the marks and attendance reports to the parents through SMS and mobile app.
Research and Development	1. The institute has Doctorates and some of them are guiding Ph.D and M.Phil/M.Tech research students of various universities. 2. Grouping faculty into various "Research Groups" based on their research interests to facilitate concentrated effort towards exploring various research problems. 3. Making the students to take up concept based and innovative projects. 4. Enhanced the library with quite a number of eresources. Enabling the library to subscribe for number of standard National and International journals. 5. University had granted RD centers for CSE and ME departments. 6. Conducted Conferences and workshops in around the focused areas of research. 7. Deputed faculty to the conferences which are related to focused area of research. 8. Faculties have applied for sponsored projects in prominent areas identified by various funding agencies. 9. Enabling the faculty to give high quality projects to the students from the research areas. 10. Enabling the faculty to publish their research findings in high impact factor journals including SCOPUS indexed journals. 11. Enabling the faculty to registrar for Ph.D if they were not registered earlier.
Library, ICT and Physical	1. NRIIT has made it a policy of not

Infrastructure / Instrumentation	compromising in establishing infrastructure and other resources. 2. The library augmented with all the books required for delivering the courses and the time required for fetching a resource from the library has been minimized using EZ library software. 3. High speed Internet Bandwidth is made available to access the eresources with ease. 4. All the classrooms are ICT enabled. Faculty uses an ICT facility matching to the topic of delivery. 5. Departments send the requirement to the central library for procurement well before the commencement of the semester. Central library ensures the availability of required books of the departments before the commencement of the semester by procuring them. 6. The campus is eco friendly and optimally utilizes solar power to generate energy and also has mineral water plant and rain water harvesting mechanism to optimise water resources.
Human Resource Management	1. Recruitment of qualified and experienced faculty is by properly constituted selection committees. 2. Faculty student ratio is maintained as per the applicable norms. 3. Faculty is deputed for conferences and workshops for upgradation of knowledge. 4. Welfare schemes for faculty and staff are implemented. 5. Free Transport facility is provided for both faculty and staff.
Industry Interaction / Collaboration	1. Industrial visits are organized for students. 2. Students are sent for internship's to various reputed industries. 3. Guest lectures are organized with Industrial experts. 4. The suggestions of Industrial experts are duly considered in the process of developing content by additional topics. 5. Certificate courses are conducted which are in accordance with the needs of the industry that enhance the related skills of the students. 6. Campus placements in various reputed companies are provided to all the eligible students. 7. Active M.O.Us are entered with number of industries with Infosys, Oracle, APPSDC, etc., for industry – institute interaction for campus recruitment and student training.
Admission of Students	1. Admission process is totally under

the control of APSCHE and according to the guidelines mentioned in various G.O's released by A.P. Govt. 2. Seats allocation will be made in two categories: Category – A seats constitute 70 of the total seats available in the college/branch which are filled by EAMCET Convener quota and Category – B seats (Management quota) constitute 30 of the total available seats. These seats are filled by the Management as per the guidelines of APSCHE.

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

E-governace area	Details
Planning and Development	1. Training Faculty for excellence 2. Special leaves for faculty for higher education 3. Organizing Faculty development programmes 4. Providing industrial training to faculty 5. Deputing faculty to refresher courses
Administration	1. Academic administration at NRIIT is completely automated using Inhouse developed academic ERP system for academic and administrative purposes. 2. Access to student and parent portals of NRIIT through the App for student performance attendance result in increased rapport with stakeholders. 3. Academic Administration system which encompasses admission, timetable, evaluation, grading, certificate generation, fee collection Elearning system, student management systems, Library Automation system, content Management system and Alumni Management system. 4. Student's data is also maintained in automated software.
Finance and Accounts	1. Department sends budget proposals for each academic year and the management allocates concerned budget. 2. Purchases can be done after duly approved at various levels. 3. Audits are done in every quarter.
Examination	1. As per the scheduled dates of the Academic Calendar internal / end semester examinations are conducted in each semester. 2. Two internal assessment tests are conducted during the semester 3. Assignments are given to improve the analytical and problem solving skills of the students. 4. Online objective test and descriptive tests are conducted for each subject. 5. University conducts end semester

	examinations in both theory and practical's.
Student Admission and Support	1. Admission process is totally under the control of APSCHE and according to the guidelines mentioned in various G.O's released by A.P. Govt. 2. Seats allocation will be made in two categories: Category – A seats constitute 70 of the total seats available in the college/branch which are filled by EAMCET Convener quota and Category – B seats (Management quota) constitute 30 of the total available seats. These seats are filled by the Management as per the guidelines of APSCHE. 3. Apart from the fee reimbursement and financial aid in the form of scholarships from the government, the students are supported by the institution by providing fee concession in transport, payment of hostel fees, college uniforms, sportswear and equipment's. 4. Allocation of one Faculty member for every 15 to 20 students 5. Career guidance to the students through career guidance cell.

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
2019	Mrs. Sunitha Ravi	Multi Modal spatio temporal co-trained CNNs with single modal testing on RGB-D Based sign language gesture recognition	NIL	7000
		[View File](#)		

6.3.2 – Number of professional development / administrative training programmes organized by the Colleges 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		NA			11	Nill

	"Teaching Methodolog ies"		01/11/2019	03/11/2019		
2019	"Deep Learning with AI Ap plications "	NA	23/11/2019	25/11/2019	4	Nill
2019	Instruct ional Design and Delivery Systems"	NA	03/07/2019	06/07/2019	6	Nill
2019	"Enhancing Teaching Skills"	NA	03/10/2020	04/10/2020	28	Nill

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

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Land surveying using total station DGPS	19	25/11/2019	30/11/2019	6

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
181	181	16	16

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
FREE TRANSPORT, STAR HEALTH CARD, FEE CONCESSION FOR FACULTY WARDS SALARY ADVANCES	FREE TRANSPORT, PF, STAR HEALTH CARD, FEE CONCESSION FOR FACULTY WARDS SALARY ADVANCES	MERIT FEE CONCESSION

6.4 – Financial Management and Resource Mobilization

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

1. Institution conducts internal and external financial audits regularly. 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 to verify and certify the entire Income and Expenditure and the Capital Expenditure of the Institute each year. 2. Likewise an external audit is also carried out on an elaborate way on quarterly basis. The institutional accounts are audited regularly by both Internal and statutory audits.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NA	0	NA

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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	ISO 9001:2015	Yes	IQAC
Administrative	Yes	ISO 9001:2015	Yes	IQAC

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

1. At the time of admission, handbook is printed every year with updated information and the book is given to the parents of newly admitted students on the first day of the college during interactive session by the principal and management. 2. After evaluating the student in each component, performance of the student is sent to the parent along with the details of attendance by the counselor. 3. Counselor earmarked to the student is in touch with the parent on continuous basis and inform the parent about the progress of ward. 4. Parents meet is conducted every year and suggestions, feedback of the parents are taken by the department on various aspects.

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

1. Training programme on English Communication Skills for Supporting Staff. 2. Lab Technicians were trained by the respective faculty incharges of the labs in each Department. 3. Lab Technicians are also permitted to attend for training sessions.

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

1. NRIIT directs the faculty of all the departments to submit Academic Performance Index (API) and Annual Quality Assurance Reports (AQAR) which are reviewed to ensure quality and accountability. 2. NRIIT entered into collaborative arrangements for the purpose of teaching, research and extension education with other reputed institutions/ organisations wherever needed. 3. Each department performs periodic review of curricula within their disciplines or related disciplines. Curricula in each discipline have been made flexible enough to allow for the incorporation of new technologies and modes of delivery while maintaining a constant focus on quality. 4. Faculties are encouraged to take up add on courses/vocational courses for the quality enhancement provided by the NPTEL.

6.5.5 – Internal Quality Assurance System Details

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

d)NBA or any other quality audit	Yes

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	) Workshop on Communication Skills	18/12/2019	18/12/2019	18/12/2019	100
2019	TWO DAYS WORKSHOP ON BLOCK TECHNOLOGIES	28/06/2019	28/06/2019	29/06/2019	50
2019	ORIENTATION AND INDUCTION PROGRAMME	09/08/2019	09/08/2019	09/08/2019	500
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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
Self and Health	08/03/2020	08/03/2020	100	100

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
1. NRIIT is located in serene environment with plenty of mango trees and blooming greenery since its inception. 2. The institute is conscious towards conservation, safety and sustainability of the environment. 3. The maintenance department of the college organizes green audits on a periodic basis which has made the campus ecofriendly. 4. The lawns and gardens consist of good number of rain water harvesting structures. 5. Our NSS volunteers and gardeners take care of the garden and green campus. 6. The campus is a nonpolluting smoke free zone. 7. Buildings are designed in such a way that there is natural illumination and ventilation in the buildings and across the campus. 8. NRIIT established roof top solar panels on the buildings using grid technology. 9. The 200KWP grid connected solar PV panels are functioning in the campus. More than 44 of electricity demands of the institutions are met by this renewable energy source. 10. Solar street lights have been installed in the campus. 11. Rain water from the top of the buildings is collected and is either stored or allowed to sink into the land.

7.1.3 – Differently abled (Divyangjan) friendliness

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

Ramp/Rails	Yes	1
Braille Software/facilities	No	Nill
Rest Rooms	Yes	1
Scribes for examination	No	Nill
Special skill development for differently abled students	Yes	1
Any other similar facility	Yes	1

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	10/08/2019	1	Awareness on Mobile Banking	Technology issues	26
2019	1	1	27/11/2019	1	NO PLASTIC Campaign	Ban of plastic, pollution caused by plastic.	31
2020	1	1	28/01/2020	1	Sapling Project	To plant and share plant saplings to everyone.	51
2020	1	1	03/03/2020	1	Swachh Bharat	Cleanliness drive	26
2020	1	1	05/03/2020	1	Medical Camp	Free Medical advice	51
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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
NA	Nill	NIL

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants

Career Guidance and Counselling	10/01/2020	10/01/2020	500
Motivational Session	03/01/2020	03/01/2020	300
Free Mega Medical Camp	20/09/2019	20/09/2019	160

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

Energy conservation: Institute has following practices to conserve energy by electronic equipments means 1. By Seeking out computing related equipment and services have the lowest footprint possible. 2. 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. 3. Adopt guidelines for extending the life of computers and components (i.e. follow manufacturers guidelines) and maximize (i.e. reuse, repair, recycle). 4. Minimising the paper work and wastages go through ecofriendly recycle process.• 5. Use electronic method for the information / circulation/ notices etc. (thus minimizing paper use) 6. Institute employees go for policy of reuse, repair, recycle wherever possible in there working. 7. Constructions are well ventilated and lighted and needs no artificial lighting. Still the institution has installed CFLs and LED'S, this has helped a lot in conservation of electricity. Use of renewable energy: 1. The campus has a solar lighting system in the campus. Water harvesting: The Institute is designed on Themed landscaping projects. Many constructional aspects are meant to conserve water, harvest rain water to best of its potential. A water recharge pit has been constructed in the campus. RainWater harvesting project is now functional in the campus. There is 100 water recycling in the campus. This has also helped in converting the campus into a green campus, which is based on recycled water. Efforts for Carbon neutrality: The following steps have been taken 1. Thousands of plants of various species and varieties have been planted in the campus during the last five years. 2. Survival rate of the plants in the University campus is more than 90. 3. The campus has been declared as a "No Smoking Zone".4. Burning of litter and other waste material has been banned 5. Electronic methods are used to link / convey / transfer the information Plantation: The Institute has massive plants and trees on the campus and is a green campus in reality. Sufficient money is spent to keep the environment green. Following practices are followed A. Efforts to reuse the eWaste like computers to teach the basics of the computer parts. B. Efforts to repair the computers and to be used for students and library. C. wherever possible recycling is done.

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. The college has been working with the aim of making it a Centre of excellence. Students from different levels backgrounds need training to improve their employability skills. Considering these requirements, college is providing excellent facilities to the students to improve their skills and to achieve their career goals. The college has been facilitated Training placements classes in the regular time table to have consistent and rigorous knowledge to the students. 2. Institute Student Mentoring System/ software based system for open communication and information transfer to student regarding curriculum, academic schedules, class planning and attendance 3. EGovernance: The University has embarked upon computerization of its functions comprising admissions, all examination related tasks, administrative working in different branches. The admissions, examinations, financial, and administrative

modules have already been implemented 4. Online placement tests are periodically conducted to enhance aptitude, mental ability and reasoning of the students to improve their employability. 5. The Institute has a very robust campuswide network wrapped around the stateoftheart WiFi technologies in all the departments and offices for Internet surfing through BSNL. All the departments and hostels housing research scholars are connected to the campus network with WiFi. 6. Enter into collaborations with various reputed institutions for the technical enhancement and to learn updated topics.

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

http://nriit.edu.in/miscellaneous-iqac/

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

1. NRIIT strives to impart quality education through exploration and experimentation and produce socially conscious engineers, embedding ethics and values for the advancement in science and technology. 2. Institute is regularly organising various development programs for the benefit of teachers and students through seminars, workshops and symposiums. 3. The institute is dedicated to provide ample opportunity to students to learn the theoretical concepts practically. The institute follows the under given process: 1. Teaching Learning Process: The institution has an effective conjunction among teaching, research and extension. Academic as well industrial collaboration with reputed organizations across the globe is at priority for the institute which assist the institute's strength to fulfill the vision of establishing itself as excellence by imparting futuristic technologies that develops and applies knowledge to all the students by experiential learning. 2. Extension Activities Awareness program me such as talks, seminars and workshops related to the patriotism, Engineers Day, Swatch Bharat etc. under extension Activities and Outreach Programmes are focused on the integral formation of the student. Training and Workshops on Transferable Skills help the students to serve the society better. Strive for truth and Service We provide quality education to our students. Integrity and transparency are reflected in all the endeavours of the institution from the Admission process up to the conformant of Degree/Placement and even beyond. The institution stands for humanity, for tolerance, for reason, for the adventure of ideas and for the search for truth. For this we create an environment that fosters teamwork, cooperation and mutual support. The Institution believes in the policy of inclusion and promotes the Nation building qualities of equality, justice and fraternity. 4. Study hours for Hostel Students.

Provide the weblink of the institution

http://nriit.edu.in/miscellaneous-iqac/

8.Future Plans of Actions for Next Academic Year

Curriculum up-dation in line with industry. The importance of online classes is fully recognized by all academic institutions during pandemic situation of COVID lockdown. Keeping the importance of online teaching, in future the IQAC is decided to make available the e-Content useful to the students by improving facilities of e-Content development. Innovations, Incubation, Start-ups Innovations, Incubation Start-ups are becoming a part and parcel of Higher Education. Therefore, IQAC felt the necessity of a dialog to exchange ideas with all stakeholders to promote the Incubation centers and Startups in the campus.