

**ANNUAL QUALITY ASSURANCE REPORT – 2022-2023**

**CRITERIA – I**

**Criterion-1 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	Dates of Revision
B.Tech.	Mechanical Engineering- ME	21/10/2022
B.Tech.	Computer Science and Engineering - CSE	15/04/2023
B.Tech.	Computer Science and Technology - CST	15/04/2023
M.Tech.	Computer Science and Engineering - CSE	15/04/2023
MCA	Master in Computer Application - MCA	15/04/2023

1.1.2 Programs/ courses focused on employability/ entrepreneurship/ skill development during the academic year.

Programme with code	Date of introduction	Courses with code	Date of introduction
B.Tech All Branches	-	19CM4HS01T/19CM4HS01T - Organization Behavior	2022-23 Odd and Even Sem
B.Tech All Branches	-	19CM6PL01T- Pre-placement Training (ARIFIN)	2022-23 Even Semester
B.Tech All Branches	-	19XX7HS01L- Entrepreneurship Lab	2022-23 Odd semester
B.Tech All Branches	-	19CM6HS02L/ 19CM7HS02L- Entrepreneurship Project	2022-23 Odd sem, Even Sem

B.Tech All Branches	-	19CM6HS01L- Business Communication & Interview Skills	2022-23 Even Sem
B.Tech All Branches	-	19FY2MC01L- Professional Ethics	2022-23 Even Sem

## 1.2 Academic Flexibility

1.2.1 New Programmes/ courses introduced during the academic year.	
Programme/ course	Date of introduction
B.Tech-22CE3ES02T-Construction Materials and Techniques	2022-23 Odd Sem
B.Tech-22CM3ES01T-Data Structure using C	2022-23 Odd Sem
B.Tech-22EEE3PC01T-DC Machines and Transformer	2022-23 Odd Sem
B.Tech-22FY1MC01T-UHV-I	2022-23 Odd Sem
B.Tech-22FY2ES05L-C PROGRAMMING LABORATORY	2022-23 Odd Sem
B.Tech-22EEE3PC02L-Circuit Theory Laboratory	2022-23 Odd Sem
B.Tech-22EEE3PC01L-DC Machines and Transformer Laboratory	2022-23 Odd Sem
B.Tech-22CT3ES02L-Digital Logic Design Laboratory	2022-23 Odd Sem
B.Tech-22FY1ES05L-ENGINEERING GRAPHICS	2022-23 Odd Sem
MCA-22MC205-MATHEMATICS - II (PROBABILITY & STATISTICS)	2022-Odd Sem
MCA-22MC107-Data Structure Laboratory	2022-Odd Sem
MCA-21MC401-Artificial Intelligence and Machine Learning	2022-23 Even Sem
MCA-21MC402-Internet & Web Technology	2022-23 Even Sem
MCA-21MC407-Artificial Intelligence and Machine Learning Lab	2022-23 Even Sem
MCA-21MC408-Internet & Web Technology Lab	2022-23 Even Sem
M.Tech-EEM353-Advanced Control System	2020-21-Odd Sem
M.Tech-EEM352-Electric Vehicles	2020-21-Odd Sem



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M.Tech-EEM351-Energy Auditing and Management	2020-21-Odd Sem
M.Tech-VLM353-Nano Materials and Nano Technology	2020-21-Odd Sem
MBA-22MBA108-Advanced Excel and Data Analysis	2022-23-Odd Sem
MBA-22MBAM04-Branding and IMC	2022-23 batch
MBA-22MBA206-BUSINESS STRATEGY AND ENTREPRENEURSHIP	2022-23-Even
MBA-22MBA208-COST AND MANAGEMENT ACCOUNTING	2022-23-Even
MBA-22MBA104-Decision Science and Quantitative Techniques	2022-23-Odd
MBA-22MBA203-LEGAL AND ENVIRONMENTAL MANAGEMENT	2022-23-Even
MBA-22MBAH04-Performance Management System	2022-23 Batch
MBA-22MBA109-Advance Excel Laboratory	2022-23-Odd
MBA-22MBA110-Research and Communication Skills Laboratory	2022-23-Odd

Names of programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System
B.Tech	✓		Nov 2018
M.Tech		✓	Nov 2018
MBA		✓	Nov 2018
MCA		✓	Nov 2018

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### 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
AUTOCAD	01 June 2023	12 (2 internal, 10 external)
Advanced C	01 June 2023	55
Hands on IoT	01 June 2023	32
Basic VLSI design using EDA tools	01 June 2023	10
Virtual Instrumentation using LabView	01 June 2023	30
Soft Computing and its applications using MATLAB	01 June 2023	35
CADENCE VLSI design	01 June 2023	25
Advanced PCB development training	01 June 2023	30
ANSYS	01 June 2023	15
STAAD Pro	01 June 2023	30
Management Principles and its Applications	01 June 2023	49

1.3.2 Field projects / internships undertaken during the year.

Project/ Programme title	No. of students enrolled for Field Projects/ internships
Summer Internship Program (MBA)	106
Pre-Placement Internship	84
IIT/NIT/IIT/CSIR research internship	23
On-site internships at various companies	98
Online internship at companies	83
Summer Research course at NIST	18





Source: Internship coordinator

## 1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1. Students	2. Teachers	3. Employers	4. Alumni	5. Parents
Yes	Yes	Yes	Yes	Yes

1.4.2 How the feedback obtained is being analyzed and utilized for overall development of the institution?

(Maximum 500 words)

Feedback is analyzed at different administrative levels and corrective action is taken.

**Student feedback:** Abstract information is made available to the corresponding BCs, HoDs and subject teachers. The first feedback collected during mid-term examination provides a glimpse into the class conduction and understanding level. Teachers adjust their content delivery methods at this stage. The final feedback is collected after the end-semester examination. It helps assess the course coverage, quality of content, student satisfaction, any major challenges in classrooms or in study.

**Teacher feedback:** Teacher feedback is collected with the

- (i) course completion report,
- (ii) self-assessment report and
- (iii) response to student feedback report submitted by the teachers at different stages.

It helps the administration/management understand the reasons and challenges in effective conduction of classes.

**Employer feedback:** At the end of each placement drive, the interviewers are requested to provide feedback on the student performance. This feedback is mostly technical in nature. Additionally, the HR/ admin persons in the companies where the students have been recruited provide feedback on outstanding performance or deficiency in the competence of the students. Employers, who hire students on PPO mode and offer internships prior to joining, provide feedback on performance of the students during and at the end of the internship period. The feedback collected is on technical knowledge, professional and interpersonal behavior and growth potential of the student. The placement cell consolidates the information and shares these in semester-wise/ annual review meetings in presence of the Principal and Chairman. Appropriate action items are suggested for the next academic session.

**Alumni feedback:** Alumni are involved in the Department BoS where they take part in the syllabus formulation,



course content selection activities. They provide feedback on the actual industry needs faced by them or their peers (mostly at entry level positions) and suggest aligning courses that will benefit the fresh graduates over time. Alumni feedback on academic environment, transport, hostel, food, extracurricular activities etc. is also collected by the alumni cell coordinator. Every visiting alumnus is presented with an alumni response form where they provide open ended (unstructured) suggestions for improvement of the campus and academics. Senior alumni provide feedback on the course content which will help the students take up future career positions.

**Parent feedback:** Parents feedback is collected over telephone calls, email, whatsapp messages etc. Visiting parents are also interviewed to take feedback on student performance, academic expectations, hostel facilities, transport facilities, teacher engagement etc. The nodal points of receiving parent feedback are batch coordinator, HoD, hostel superintendent, admission office and official telephone numbers.

**Feedback review and recommendation:**

The student feedback received on the internal ERP is consolidated and shared with the subject teachers for self-review and appraisal. The Periodic review of feedback is conducted by the Principal during HoD/BC meetings every month. The top management also conducts review meetings on major feedback received.

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## CRITERIA – II

### Criterion II – Teaching- Learning and Evaluation

#### 2.1 Student Enrolment and Profile.

##### 2.1.1 Demand Ratio during the year

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
B.Tech. - Computer Science and Engineering	240	-	240
B.Tech. - Electronics and Communication Engineering	120	-	51
B.Tech. - Electrical and Electronics Engineering	60	-	23
B.Tech. - Information Technology	90	-	82
B.Tech. - Mechanical Engineering	60	-	7
B.Tech. - Electrical Engineering	60	-	2
B.Tech. - Civil Engineering	60	-	2
B.Tech. - Computer Science and Technology	60	-	56
B.Tech. - Electronics and Computer Engineering	60	-	9
M.Tech. - Computer Science and Engineering	18	-	-
M.Tech. - Electronics and Communication Engineering	9	-	-
M. Tech. - VLSI Embedded System's Design	9	-	-
M. Tech. - Electrical Engineering	9	-	-
Master of Business Administration	120	-	91
Master of Computer Applications	120	-	119

#### 2.2 Catering to Student Diversity

##### 2.2.1. Student - Full time teacher ratio (2022-23)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full-time teachers available in the institution teaching only UG courses	Number of full-time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2022-2023	1846	345	98	7	18

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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
123	74	LCD Projector, Laptop, Audio visual system	34	1	NPTEL, SWAYAM, e-book, pdf, Animations, Text, Graphics, e-notes, Acadly, NIS, & Quizzee

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

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
2191	123	1:17.81

As part of the program, the institution provides a student mentorship system. Students are divided into groups from the moment they are admitted and are mentored or supervised by instructors. The needs of the pupils are attended to by the appropriate faculty members. There are **2191** students and **123** faculty members available in the B.Tech, M.Tech, MBA, and MCA programs. A total of **110** groups of students are formed. A faculty member in charge mentors each group. The faculty's responsibility is to care after each student's academic needs, motivation, and wellbeing. The mentor is in charge of all activities, both scholastic and extracurricular.

## 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
25	19	6	19	6

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#### 2.4.2 Honours and recognitions received by teachers

(received awards, recognition, fellowships at State, National, International level from Government, recognized 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
Nov-22	Prof. Nilesh Dalai	Assistant Professor	BPUT Foundation Day Research Award, BPUT, Odisha
Nov-22	Dr. Duryodhan Sahu	Associate Professor	BPUT Foundation Day Research Award, BPUT, Odisha
Nov-22	Dr. Rajesh Patjoshi	Associate Professor	BPUT Foundation Day Research Award, BPUT, Odisha

#### 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
B.Tech. - Computer Science and Engineering	CSE	8th/2023	29/04/2023	5/6/2023
B.Tech. - Electronics and Communication Engineering	ECE	8th/2023	29/04/2023	5/6/2023
B.Tech. - Electrical and Electronics Engineering	EEE	8th/2023	29/04/2023	5/6/2023
B.Tech. - Information Technology	IT	8th/2023	29/04/2023	5/6/2023
B.Tech. - Mechanical Engineering	ME	8th/2023	29/04/2023	5/6/2023
B.Tech. - Electrical Engineering	EE	8th/2023	29/04/2023	5/6/2023
B.Tech. - Civil Engineering	CE	8th/2023	29/04/2023	5/6/2023
M.Tech. - Computer Science and Engineering	M.Tech CSE	4th/2023	5/6/2023	5/6/2023
M.Tech. - Electronics and Communication Engineering	M.Tech ECE	4th/2023	5/6/2023	5/6/2023
M. Tech. - VLSI Embedded System's Design	M.Tech VLSI	4th/2023	5/6/2023	5/6/2023
M. Tech. - Electrical Engineering	M.Tech EE	4th/2023	5/6/2023	5/6/2023
Master of Business Administration	MBA	4th/2023	1/8/2023	21/08/2023
Master of Computer Applications	MCA	4th/2023	24/07/2023	21/08/2023



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

*\*Do not include re-evaluation/ re-totaling*

S. No.	Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
1	-	-	-

## 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 web link)

B.Tech Program	MTech Program
CSE: <a href="https://nist.edu/academics/BTech_CSE.html#SYLLABUS">https://nist.edu/academics/BTech_CSE.html#SYLLABUS</a>	CSE: <a href="https://nist.edu/academics/MTech_CSE.html">https://nist.edu/academics/MTech_CSE.html</a>
ECE : <a href="https://nist.edu/academics/BTech_ECE.html">https://nist.edu/academics/BTech_ECE.html</a>	ECE: <a href="https://nist.edu/academics/MTech_ECE.html">https://nist.edu/academics/MTech_ECE.html</a>
EEE: <a href="https://nist.edu/academics/BTech_EEE.html">https://nist.edu/academics/BTech_EEE.html</a>	VLSI: <a href="https://nist.edu/academics/MTech_VLSI.html">https://nist.edu/academics/MTech_VLSI.html</a>
IT: <a href="https://nist.edu/academics/BTech_CSE.html">https://nist.edu/academics/BTech_CSE.html</a>	EE: <a href="https://nist.edu/academics/MTech_EE.html">https://nist.edu/academics/MTech_EE.html</a>
ME : <a href="https://nist.edu/academics/BTech_ME.html">https://nist.edu/academics/BTech_ME.html</a>	MBA: <a href="https://nist.edu/academics/MBA.html">https://nist.edu/academics/MBA.html</a>
EE: <a href="https://nist.edu/academics/BTech_EE.html">https://nist.edu/academics/BTech_EE.html</a>	MCA: <a href="https://nist.edu/academics/MCA.html">https://nist.edu/academics/MCA.html</a>
CE: <a href="https://nist.edu/academics/BTech_CE.html">https://nist.edu/academics/BTech_CE.html</a>	

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### 2.6.2 Pass percentage of students

Programme name	Programme Code	Number of students appeared in the final year examination	Number of students passed in final Semester /year examination	Pass Percentage
B.Tech. - Computer Science and Engineering	CSE	202	200	99.01
B.Tech. - Electronics and Communication Engineering	ECE	108	102	94.44
B.Tech. - Electrical and Electronics Engineering	EEE	47	40	85.11
B.Tech. - Information Technology	IT	84	77	91.67
B.Tech. - Mechanical Engineering	ME	30	22	73.33
B.Tech. - Electrical Engineering	EE	9	6	66.67
B.Tech. - Civil Engineering	CE	16	14	87.50
M.Tech. - Computer Science and Engineering	M.Tech CSE	2	1	50.00
M.Tech. - Electronics and Communication Engineering	M.Tech ECE	1	1	100.00
M. Tech. - VLSI Embedded System's Design	M.Tech VLSI	1	1	100.00
M. Tech. - Electrical Engineering	M.Tech EE	-	-	-
Master of Business Administration	MBA	60	55	91.67
Master of Computer Applications	MCA	62	60	96.77
Master of Computer Applications	MCA	202	200	99.01

### 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)

Link to student satisfaction survey portal: [https://nis.nist.edu/\\_Student](https://nis.nist.edu/_Student) can log-in and navigate to feedback module to provide structured feedback.

Results of satisfaction survey: <https://nist.edu/IQAC/SSS/student-satisfaction.html>

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### CRITERIA – III

<b>Criterion III – Research, Innovations and Extension (2022-2023)</b>			
<b>3.1 Promotion of Research and Facilities</b>			
<b>3.1.1 The institution provides seed money to its teachers for research,</b>			
Yes			
Name of the teacher getting seed money	The amount of seed money	Year of receiving grant	Duration of the grant
Barada Prasad Sethy	1,10,000	02.12.2022	1 year
Duryodhan Sahu	2,50,000	12.07.2022	1 year
Namrata Patnaik	80,000	12.12.2022	1 year
Ratikanta Nayak	1,40,000	12.12.2022	1 year
Aswini Kumar Khuntia	3,50,000	20.04.2023	1 Year
Deepak Kumar Swain	1,21,941	03.06.2023	1 year

<b>3.1.2 Teachers awarded National/International fellowship for advanced studies/ research during the year</b>				
	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
National	-	-	-	-
International	-	-	-	-

<b>3.2 Resource Mobilization for Research</b>				
<b>3.2.1 Research funds sanctioned and received from various agencies, industry and other organisations</b>				
Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the year
Major projects	1 year	DST CORE	2123000	600000
		DST SERB	1719872	1139936
		DST WOSA	2079200	-
		DST WOSA	2673200	-
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored Projects	-	-	-	-
Projects sponsored by the University/ College	1 year	NIST Autonomous	1652	1652





		Berhampur		
Students Research Projects <i>(other than compulsory by the College)</i>	-	-	-	-
International Projects	-	-	-	-
Any other (Specify)	-	-	-	-
Total	-	-	-	-

**3.2.2 Number of ongoing research projects per teacher funded by government and non-government agencies during the years**

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**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(s)
IP Literacy and Awareness campaign	ECE	14-07-2022
Patent filling process	ECE	09-03-2023
IPR Awareness program	EE	08-09-2022
IPR Awareness	ME	15-07-2022

**3.3.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year**

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
Ideathon 1.0	S Sovan Kumar	CUTM, Vizianagaram and Novel Patent Services	Aug-22	Hardware
Ideathon 1.0	Rohit Raj Padhi	CUTM, Vizianagaram and Novel Patent Services	Aug-22	Hardware
Ideathon 1.0	V Roshan K Patro	CUTM, Vizianagaram and Novel Patent Services	Aug-22	Hardware
Vietnam SWINBURNE healthcare hackathon	S Sovan Kumar	SWINBURNE University of Technology	Aug-22	Hardware
Vietnam SWINBURNE healthcare hackathon	Rohit Raj Padhi	SWINBURNE University of Technology	Aug-22	Hardware

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Vietnam SWINBURNE healthcare hackathon	V Roshan K Patro	SWINBURNE University of Technology	Aug-22	Hardware
Pravega innovation summit	V Roshan K Patro	IISC, Bangalore	Aug-22	Hardware
Pravega Ideathon	Debasish Panda	Pravega Ideathon IISC Bangalore	Sep-22	Hardware
Pravega Ideathon	V Roshan K patra	Pravega Ideathon IISC Bangalore	Sep-22	Hardware
NCESS-2022	Rohit Raj Padhi	Indian Energy Congress	Dec-22	Hardware
NCESS-2022	S Sovan Kumar	Indian Energy Congress	Dec-22	Hardware
Startup Odisha	Rohit Raj Padhi	Odisha Government	Jan-23	Hardware
GDSC Hackathon	S Sovan Kumar	GDSC Club, NIST, Berhampur	Mar-23	Hardware
GDSC Hackathon	Rohit Raj Padhi	GDSC Club, NIST, Berhampur	Mar-23	Hardware

### 3.3.3 No. of Incubation center created, start-ups incubated on campus during the year

Incubation Centre	Name	Sponsored by
I	NIST Incubation Foundation	DST NIDHI
Name of the Start-up	Nature of Start-up	Date of commencement
Protonix Technology	Ed-Tech., ESDM, STEM Education	-

### 3.4 Research Publications and Awards

#### 3.4.1 Ph. Ds awarded during the year

Name of the Department	No. of Ph.Ds Awarded
-	-

#### 3.4.2 Research Publications in the Journals notified on UGC website during the year

	Department	No. of Publication	Average Impact Factor, if any
National	-	-	-
International	CHEM	03	2.46
	CSE	05	2.74

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	ECE	06	3.09
	EE	09	2.61
	MATH	04	0.66
	MBA	02	2.51
	ME	08	1.92
	PHYS	03	2.79

**3.4.3 Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year**

Department	No. of publication
CHEM	1
CSE	4
ECE	5
EE	3
MATH	-
MBA	2
ME	-
PHYS	-

**3.4.4 Patents published/awarded during the year**

Patent Details	Patent status Published/Filed	Patent Number	Date of Award
Non-Invasive Glucometer To Determine Blood Glucose Level From Mouth-Blown Air And A Method Thereof	Published	202131003286	23-09-2022
Internet of Things (Iot) Based Smart Energy Metering and Monitoring System	Published	202231056186	21-10-2022
Multi Objective Optimization Technique for Task Scheduling In Cloud Computing Environment	Published	202311003515	18-01-2023
Motorized Rechargeable Electric Bicycle	Published	202331008866	17-02-2023
Method For Production of Textured Flexible Solar Cells And Solar Cells Attained Thereof	Published	202331013288	31-03-2023

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Principal



**3.4.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index**

Title of the Paper	Name of the Author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self-citations
Interfacial Micro-heterogeneous Surface Phenomenon in the Oxidative Transformation of 2-Phenylethanol by Ce(IV)	Sahu S., Nanda S.P., Padhy R.K.	Chemistry Africa	2023	-	Yes	-
Oxidation of iminodiethanol by Ce (IV) in micro heterogeneous system: a comprehensive kinetic analysis	Padhy R.K., Sahu S.	Journal of Dispersion Science and Technology	2023	3	Yes	3
Removal of Hexavalent Chromium from Industrial Wastewater Using Adsorbent Prepared from Biomass IPOMOEA CARNEA	Biswal S.S., Panda C., Parida S.R., Mallick S.K., Jena T., Sahoo J.K., Sahu D.	Chemistry Africa	2022	3	Yes	3
A Novel Approach for Diabetic Retinopathy Screening Using Asymmetric Deep Learning Features	Jena P.K., Khuntia B., Palai C., Nayak M., Mishra T.K., Mohanty S.N.	Big Data and Cognitive Computing	2023	25	Yes	23
Content-Based Image Retrieval using Adaptive CIE Color Feature Fusion	Palai C., Jena P.K., Khuntia B., Mishra T.K., Pattanaik S.R.	Revue d' Intelligence Artificielle	2023	1	Yes	1
Content-based Image Retrieval using Encoder based RGB and Texture Feature Fusion	Palai C., Jena P.K., Pattanaik S.R., Panigrahi T., Mishra T.K.	International Journal of Advanced Computer Science and Applications	2023	-	Yes	-
Distributed Intermittent Fault Diagnosis in Wireless Sensor Network Using Likelihood Ratio Test	Gouda B.S., Panda M., Panigrahi T., Das S., Appasani B., Acharya O., Zawbaa H.M., Kamel S.	IEEE Access	2023	2	Yes	2



On multi-objective covering salesman problem	Biswas A., Tripathy S.P., Pal T.	Neural Computing and Applications	2022	-	Yes	-
Novel Graphene Transfer Method to Silicone and its Sensing Application on Porous PDMS	Pancham P.P., Mukherjee A., Yuan B.L., Yu P., Chiu W.-H., Ahmad G., Mallik S., Lo C.-Y.	IEEE Sensors Letters	2023	2	Yes	2
Photocatalytic waste-to-renewable energy nexus using solar light induced quantum dots	Roshan R., Nahak B.K., Mahata D., Yadav P., Panda S., Patra S., Mahato S.S., Tiwari A., Mahata S.	Energy Conversion and Management	2023	2	Yes	2
A Review on Borophene: A Potential Gas-Capture Material	Mohanty S., Panda D., Dash A., Sovan Kumar S., Padhi R.R., Guhathakurata S., Mallik S.	Journal of Electronic Materials	2023	1	Yes	1
Methodologies of Removal of Heavy Metals from Contaminated Water Using Various Waste Materials: A Comprehensive Review	Jamkar S., Tripathy A., Mallik S., Pal D.	ChemBioEng Reviews	2023	-	Yes	-
Nonlinear electron mobility due to asymmetric doping in V-shaped double quantum well FET structure	Jena D., Palo S.K., Panda A.K., Dash T., Sahu T.	Indian Journal of Physics	2022	4	Yes	4
Fast TT transform and optimized probabilistic neural network-based power quality event detection and classification	Samanta I.S., Rout P.K., Mishra S., Swain K., Cherukuri M.	Electrical Engineering	2022	5	Yes	5
Temperature Dependent Branch Current Based Active Distribution System State Estimation	Prasad S.	Iranian Journal of Science and Technology - Transactions of Electrical Engineering	2023	-	Yes	-

Modified Differential Evolution Algorithm for Governing Virtual Inertia of an Isolated Microgrid Integrating Electric Vehicles	Mishra D., Maharana M.K., Kar M.K., Nayak A., Cherukuri M.	International Transactions on Electrical Energy Systems	2023	1	Yes	1
A Novel Metaheuristic Jellyfish Optimization Algorithm for Parameter Extraction of Solar Module	Yadav D., Singh N., Bhadoria V.S., Giri N.C., Cherukuri M.	International Transactions on Electrical Energy Systems	2023	1	Yes	1
Frequency Control of Power System with Distributed Sources by Adaptive Type 2 Fuzzy PID Controller	Kullapadayachi Govindaraju S., Sivalingam R., Panda S., Sahu P.R., Padmanaban S.	Electric Power Components and Systems	2023	4	Yes	4
Dual-tree complex wavelet packet transform and regularized extreme learning machine-based feature extraction and classification of power quality disturbances	Samanta I.S., Rout P.K., Swain K., Cherukuri M., Mishra S.	Energy Systems	2023	-	Yes	-
Effective Load Frequency Control of Power System with Two-Degree Freedom Tilt-Integral-Derivative Based on Whale Optimization Algorithm	Sahu P.R., Simhadri K., Mohanty B., Hota P.K., Abdelaziz A.Y., Albalawi F., Ghoneim S.S.M., Elsisli M.	Sustainability (Switzerland)	2023	8	Yes	8
Participation of Renewable Energy Sources in the Frequency Regulation Issues of a Five-Area Hybrid Power System Utilizing a Sine Cosine-Adopted African Vulture Optimization Algorithm	Nayak S.R., Khadanga R.K., Panda S., Sahu P.R., Padhy S., Ustun T.S.	Energies	2023	7	Yes	7
Power System Stability Improvement of FACTS Controller and PSS Design: A Time-Delay Approach	Sahu P.R., Lenka R.K., Khadanga R.K., Hota P.K., Panda S., Ustun T.S.	Sustainability (Switzerland)	2022	5	Yes	4
Marine predator algorithm based PD-(1+PI) controller for frequency regulation in multi-microgrid system	Padhy S., Sahu P.R., Panda S., Padmanaban S., Guerrero J.M., Khan B.	IET Renewable Power Generation	2022	6	Yes	6
ON GENERALIZED RIESZ	Acharya D., Sahu S.K., Nayak P.C.,	Journal of Classical	2023	8	Yes	8

SUMMABILITY OF FACTORED FOURIER SERIES	Misra U.	Analysis				
Introducing higher-order Haar wavelet method for solving three-dimensional partial differential equations	Sinha A.K., Sahoo R.	International Journal of Wavelets, Multiresolution and Information Processing	2023	-	Yes	-
Quantum Calculus and Nörlund integrability	Sudhakar A., Mallik B., Padhy B.P., Misra U.	Palestine Journal of Mathematics	2023	14	Yes	13
On Degree Of Approximation Of Signals In The Generalized Zygmund Class By Using $(E, r)(N, qn)$ Mean	Mishra A., Padhy B.P., Mishra L.N., Misra U.	Kragujevac Journal of Mathematics	2023	19	Yes	18
ICT for sustainability and socio-economic development in fishery: a bibliometric analysis and future research agenda	Dash M.K., Singh C., Panda G., Sharma D.	Environment, Development and Sustainability	2023	5	Yes	4
Performance of wasteland biomass <i>Calotropis gigantea</i> derived activated carbon as Lithium-ion battery anode	Sahu A., Kumar A., Dashairya L., Saha P., Bhuyan S.K., Sen S., Mishra S.C.	Diamond and Related Materials	2023	2	Yes	2
Abrasive Wear Behavior Of Natural Carbon Black Reinforced Polymer Composites	Naik P., Pradhan S., Sahoo P., Acharya S.K.	Composites: Mechanics, Computations, Applications	2023	-	Yes	-
Optimization of the geometric profile of a crescent orifice	Panda S.K., Nepak S.K.	International Journal of Fluid Mechanics Research	2023	-	Yes	-
Heat transfer and psychometric analysis of a counter-flow wet cooling tower	Patra A., Misra S., Panda S.K.	Heat Transfer Research	2023	0	Yes	0
Effect of Environment on Mechanical Behavior of Thermosetting Composites Reinforced with Bio-filler (Orange Peel Particulate)	Naik P., Pradhan S., Sahoo P., Acharya S.K.	Biointerface Research in Applied Chemistry	2023	1	Yes	1





Materials						
Tribological analysis of jute reinforced composites with different nano-fillers	Dash S.S., Jagadish K., Dalai N.	Materials Today: Proceedings	2023	-	Yes	-
Adhesion strength investigation of plasma sprayed NiTi coating	Swain B., Kumar Bhuyan S., Sanjeeb Mohapatra S., Kumar Rajak D., Behera A., Iulian Pruncu C.	Engineering Failure Analysis	2022	6	Yes	5
Investigation of tribological properties of stir cast AA5052/B4C MMC under different loads	Patel M., Sahu S.K., Singh M.K., Sahu D.P.	Jurnal Tribologi	2022	6	Yes	6
The Role of Human Resource Analytics: Analyzing the Factors Influencing it in Organizations Using SEM and ANOVA	Padhi A.	Journal of Uncertain Systems	2023	-	Yes	-
Nanocomposite of intrinsically conductive polymers used as the active component in acetone solvent sensors	Sonika, Verma S.K., Sharma G., Nayak R., Meher A., Samal P., Sharma A.	Nanotechnology for Environmental Engineering	2023	-	Yes	-
Multiple Multi-Orbit Pairing Algebras in Nuclei	Kota V.K.B., Sahu R.	Symmetry	2023	1	Yes	1
Phosphonated MWCNT-Poly(2, 5-Benzimidazole): an improved nanocomposite membrane for high-temperature fuel cells	Nayak R., Goenka R., Bhosale A.C., Ghosh P.C.	Advances in Natural Sciences: Nanoscience and Nanotechnology	2022	1	Yes	1
Interfacial Micro-heterogeneous Surface Phenomenon in the Oxidative Transformation of 2-Phenylethanol by Ce(IV)	Sahu S., Nanda S.P., Padhy R.K.	Chemistry Africa	2023	-	Yes	-



**3.4.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)**

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self-citations	Institutional affiliation as mentioned in the publication
Interfacial Micro-heterogeneous Surface Phenomenon in the Oxidative Transformation of 2-Phenylethanol by Ce(IV)	Sahu S., Nanda S.P., Padhy R.K.	Chemistry Africa	2023	16	-	Yes
Oxidation of iminodiethanol by Ce (IV) in microheterogeneous system: a comprehensive kinetic analysis	Padhy R.K., Sahu S.	Journal of Dispersion Science and Technology	2023	61	3	Yes
Removal of Hexavalent Chromium from Industrial Wastewater Using Adsorbent Prepared from Biomass IPOMOEAE CARNEA	Biswal S.S., Panda C., Parida S.R., Mallick S.K., Jena T., Sahoo J.K., Sahu D.	Chemistry Africa	2022	16	3	Yes
A Novel Approach for Diabetic Retinopathy Screening Using Asymmetric Deep Learning Features	Jena P.K., Khuntia B., Palai C., Nayak M., Mishra T.K., Mohanty S.N.	Big Data and Cognitive Computing	2023	23	23	Yes
Content-Based Image Retrieval using Adaptive CIE Color Feature Fusion	Palai C., Jena P.K., Khuntia B., Mishra T.K., Pattanaik S.R.	Revue d'Intelligence Artificielle	2023	17	1	Yes
Content-based Image Retrieval using Encoder based RGB and Texture Feature Fusion	Palai C., Jena P.K., Pattanaik S.R., Panigrahi T., Mishra T.K.	International Journal of Advanced Computer Science and Applications	2023	35	-	Yes
Distributed Intermittent Fault	Gouda B.S., Panda M.,	IEEE Access	2023	204	2	Yes

Diagnosis in Wireless Sensor Network Using Likelihood Ratio Test	Panigrahi T., Das S., Appasani B., Acharya O., Zawbaa H.M., Kamel S.					
On multi-objective covering salesman problem	Biswas A., Tripathy S.P., Pal T.	Neural Computing and Applications	2022	5	-	Yes
Novel Graphene Transfer Method to Silicone and its Sensing Application on Porous PDMS	Pancham P.P., Mukherjee A., Yuan B.L., Yu P., Chiu W.-H., Ahmad G., Mallik S., Lo C.-Y.	IEEE Sensors Letters	2023	28	2	Yes
Photocatalytic waste-to-renewable energy nexus using solar light induced quantum dots	Roshan R., Nahak B.K., Mahata D., Yadav P., Panda S., Patra S., Mahato S.S., Tiwari A., Mahata S.	Energy Conversion and Management	2023	210	2	Yes
A Review on Borophene: A Potential Gas-Capture Material	Mohanty S., Panda D., Dash A., Sovan Kumar S., Padhi R.R., Guhathakurata S., Mallik S.	Journal of Electronic Materials	2023	107	1	Yes
Methodologies of Removal of Heavy Metals from Contaminated Water Using Various Waste Materials: A Comprehensive Review	Jamkar S., Tripathy A., Mallik S., Pal D.	ChemBioEng Reviews	2023	34	-	Yes
Nonlinear electron mobility due to asymmetric doping in V-shaped double quantum well FET structure	Jena D., Palo S.K., Panda A.K., Dash T., Sahu T.	Indian Journal of Physics	2022	38	4	Yes
Fast TT transform and optimized probabilistic neural network-based power quality event detection and classification	Samanta I.S., Rout P.K., Mishra S., Swain K., Cherukuri M.	Electrical Engineering	2022	35	5	Yes

Temperature Dependent Branch Current Based Active Distribution System State Estimation	Prasad S.	Iranian Journal of Science and Technology - Transactions of Electrical Engineering	2023	23	-	Yes
Modified Differential Evolution Algorithm for Governing Virtual Inertia of an Isolated Microgrid Integrating Electric Vehicles	Mishra D., Maharana M.K., Kar M.K., Nayak A., Cherukuri M.	International Transactions on Electrical Energy Systems	2023	51	1	Yes
A Novel Metaheuristic Jellyfish Optimization Algorithm for Parameter Extraction of Solar Module	Yadav D., Singh N., Bhadoria V.S., Giri N.C., Cherukuri M.	International Transactions on Electrical Energy Systems	2023	51	1	Yes
Frequency Control of Power System with Distributed Sources by Adaptive Type 2 Fuzzy PID Controller	Kullapadayachi Govindaraju S., Sivalingam R., Panda S., Sahu P.R., Padmanaban S.	Electric Power Components and Systems	2023	58	4	Yes
Dual-tree complex wavelet packet transform and regularized extreme learning machine-based feature extraction and classification of power quality disturbances	Samanta I.S., Rout P.K., Swain K., Cherukuri M., Mishra S.	Energy Systems	2023	31	-	Yes
Effective Load Frequency Control of Power System with Two-Degree Freedom Tilt-Integral-Derivative Based on Whale Optimization Algorithm	Sahu P.R., Simhadri K., Mohanty B., Hota P.K., Abdelaziz A.Y., Albalawi F., Ghoneim S.S.M., Elsis M.	Sustainability (Switzerland)	2023	136	8	Yes

Participation of Renewable Energy Sources in the Frequency Regulation Issues of a Five-Area Hybrid Power System Utilizing a Sine Cosine-Adopted African Vulture Optimization Algorithm	Nayak S.R., Khadanga R.K., Panda S., Sahu P.R., Padhy S., Ustun T.S.	Energies	2023	132	7	Yes
Power System Stability Improvement of FACTS Controller and PSS Design: A Time-Delay Approach	Sahu P.R., Lenka R.K., Khadanga R.K., Hota P.K., Panda S., Ustun T.S.	Sustainability (Switzerland)	2022	136	4	Yes
Marine predator algorithm based PD-(1+PI) controller for frequency regulation in multi-microgrid system	Padhy S., Sahu P.R., Panda S., Padmanaban S., Guerrero J.M., Khan B.	IET Renewable Power Generation	2022	88	6	Yes
ON GENERALIZED RIESZ SUMMABILITY OF FACTORED FOURIER SERIES	Acharya D., Sahu S.K., Nayak P.C., Misra U.	Journal of Classical Analysis	2023	15	8	Yes
Introducing higher-order Haar wavelet method for solving three-dimensional partial differential equations	Sinha A.K., Sahoo R.	International Journal of Wavelets, Multiresolution and Information Processing	2023	29	-	Yes
Quantum Calculus and Nörlund integrability	Sudhakar A., Mallik B., Padhy B.P., Misra U.	Palestine Journal of Mathematics	2023	17	13	Yes
ON DEGREE OF APPROXIMATION OF SIGNALS IN THE GENERALIZED ZYGMUND CLASS BY USING $(E, r)(N, qn)$ MEAN	Mishra A., Padhy B.P., Mishra L.N., Misra U.	Kragujevac Journal of Mathematics	2023	17	18	Yes



ICT for sustainability and socio-economic development in fishery: a bibliometric analysis and future research agenda	Dash M.K., Singh C., Panda G., Sharma D.	Environment, Development and Sustainability	2023	72	4	Yes
Performance of wasteland biomass <i>Calotropis gigantea</i> derived activated carbon as Lithium-ion battery anode	Sahu A., Kumar A., Dashairya L., Saha P., Bhuyan S.K., Sen S., Mishra S.C.	Diamond and Related Materials	2023	113	2	Yes
ABRASIVE WEAR BEHAVIOR OF NATURAL CARBON BLACK REINFORCED POLYMER COMPOSITES	Naik P., Pradhan S., Sahoo P., Acharya S.K.	Composites: Mechanics, Computations, Applications	2023	12	-	Yes
OPTIMIZATION OF THE GEOMETRIC PROFILE OF A CRESCENT ORIFICE	Panda S.K., Nepak S.K.	International Journal of Fluid Mechanics Research	2023	23	-	Yes
HEAT TRANSFER AND PSYCHOMETRIC ANALYSIS OF A COUNTER-FLOW WET COOLING TOWER	Patra A., Misra S., Panda S.K.	Heat Transfer Research	2023	28	-	Yes
Effect of Environment on Mechanical Behavior of Thermosetting Composites Reinforced with Bio-filler (Orange Peel Particulate) Materials	Naik P., Pradhan S., Sahoo P., Acharya S.K.	Biointerface Research in Applied Chemistry	2023	22	1	Yes
Tribological analysis of jute reinforced composites with different nano-fillers	Dash S.S., Jagadish K., Dalai N.	Materials Today: Proceedings	2023	69	-	Yes



Adhesion strength investigation of plasma sprayed NiTi coating	Swain B., Kumar Bhuyan S., Sanjeeb Mohapatra S., Kumar Rajak D., Behera A., Iulian Pruncu C.	Engineering Failure Analysis	2022	92	5	Yes
Investigation of tribological properties of stir cast AA5052/B4C MMC under different loads	Patel M., Sahu S.K., Singh M.K., Sahu D.P.	Jurnal Tribologi	2022	9	6	Yes
The Role of Human Resource Analytics: Analyzing the Factors Influencing it in Organizations Using SEM and ANOVA	Padhi A.	Journal of Uncertain Systems	2023	19	-	Yes
Nanocomposite of intrinsically conductive polymers used as the active component in acetone solvent sensors	Sonika, Verma S.K., Sharma G., Nayak R., Meher A., Samal P., Sharma A.	Nanotechnology for Environmental Engineering	2023	24	-	Yes
Multiple Multi-Orbit Pairing Algebras in Nuclei	Kota V.K.B., Sahu R.	Symmetry	2023	76	1	Yes
Phosphonated MWCNT-Poly(2, 5-Benzimidazole): an improved nanocomposite membrane for high-temperature fuel cells	Nayak R., Goenka R., Bhosale A.C., Ghosh P.C.	Advances in Natural Sciences: Nanoscience and Nanotechnology	2022	54	1	Yes
Interfacial Micro-heterogeneous Surface Phenomenon in the Oxidative Transformation of 2-Phenylethanol by Ce(IV)	Sahu S., Nanda S.P., Padhy R.K.	Chemistry Africa	2023	16	-	Yes



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### 3.4.7 Faculty participation in Seminars/Conferences and Symposia during the year : 2022-2023

No. of Faculty	International level	National level	State level	Local level
Attended Seminars/ Workshops	-	7	-	-
Presented papers	12	3	-	1
Resource Persons	-	-	-	5

### 3.5 Consultancy

#### 3.5.1 Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of Consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
-	-	-	-

#### 3.5.2 Revenue generated from Corporate Training by the institution during the year

Name of the Consultant(s) & Department	Title of the Programme	Agencyseeking training	Revenue generated (amount in rupees)	Number of trainees
-	-	-	-	-

### 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 co-ordinated in such activities	Number of students participated in such activities
Tree Plantation	NIST NCC	2	32
Swatch Bharat Abhiyan	NIST NCC/Public	2	34
Firing Practice	NIST NCC/I(O)NU NCC	2	37
Environmental Day	NIST NCC/Public	2	34
Punit Sagar Abhiyan	NIST NCC/I(O)NU NCC	2	20
Drinking Water Distribution	NIST NCC/Public	2	32
Sun Stroke and Heat Wave Awareness Camp	NIST NCC/Public	2	29
Blood Donor Day	NIST NCC	2	31
International Day of Yoga	NIST NCC	2	21
Blood Donation Camp	NIST NCC	2	33
International Day against Drug Abuse & illicit Trafficking	NIST NCC/Public	2	32

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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	No. of Students benefited
Annual training Camp-I, NCC	Recognition	1 (O)NU NCC	30
Special Yachting Camp	Recognition	1 (O)NU NCC/INWT Vizag	01

**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 co-ordinated such activities	Number of students participated in such activities
-	-	-	-	-

**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
Internship	1 student	MITACS Canada	90 days
Summer research internship	1 student	INSA Summer research fellowship	60 days
Summer research internship	3 students	CSIR IMMT Bhubaneswar	60 days

**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-To)	Participant
on-the-job training	Graduate Trainee	Asiczen Technologies India Pvt. Ltd, Bhubaneswar	Dt. 01.Jan.2023 to Dt. 22.April.2023.	02
on-the-job training	Graduate Trainee	BraingerHub Ahmedabad	Dt. 01.Feb.2023 to Dt. 30.Jul.2023.	04
on-the-job training	Graduate Trainee	Ceptes Software, Bangalore	Dt. 01.Jan. 2023 to Dt. 28.April.2023.	02
on-the-job training	Graduate Trainee	Western Digital Bengaluru	Dt. 09.Jan.2023 to Dt.07.July.2023.	02
on-the-job training	Graduate Trainee	Zomato, Gurgaon	Dt. 20.Jan.2023 to Dt. 27.April.2023.	01
on-the-job training	Graduate Trainee	Tekion , Chennai	Dt. 01.Jan.2023 to Dt. 01.June.2023.	03

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on-the-job training	Graduate Trainee	Juspay Technologies Pvt. Ltd. Bengaluru	Dt. 01.Jan.2023 to Dt. 01.June.2023.	01
on-the-job training	Graduate Trainee	Marquee Semiconductor India Pvt. Ltd. Bhubaneswar	Dt. 02.Jan.2023 to Dt. 01.June.2023.	01

**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 and Activities	Number of students/teachers participated under MoUs
Bariflo-Labs Pvt. Ltd.	Sep-2022	Research/ Internship	7
Celona Inc.	Oct-2022	Research/ Internship	1
Molecular Connections Pvt. Ltd	Dec-2022	Research/ Internship	-
Pipli Technology Pvt. Ltd.	Dec-2021	Research/ Internship	4

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## CRITERIA – IV

### CRITERION IV – Infrastructure and Learning Resources (2022-2023)

#### 4.1 Physical Facilities

##### 4.1.1 Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure Augmentation (in INR)	Budget utilized for infrastructure development (in INR)
3,00,00,000	2,12,06,756

##### 4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	37.08 acre	-
Classrooms	86	-
Laboratories	75	-
Seminar Halls	16	-
Classrooms with LCD facilities	14	-
Classrooms with Wi-Fi/LAN	24	-
Seminar halls with ICT facilities	3	-
Video Centre	2	-
No. of important equipments purchased ( $\geq 1$ -0lakh) during the Current year.	5	3
Value of the equipment purchased during the year (Rs. In Lakhs)	8.26	33.75
Others		

#### 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 partially)	Version	Year of automation
Online Library Information System	Fully	NIST Developed	1998

##### 4.2.1 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value

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Text Books	60,382	22800812.23	222	145344	60,604	22948101.23
Reference Books	708	-	-	-	-	708
e-Books	-	-	-	-	-	-
Journals	-	-	-	-	-	-
e-Journals	-	-	-	-	-	-
Digital Database	4	28,400	-	-	4	28,400
CD & Video	253	-	-	-	253	-
Library automation	1	-	-	-	1	-
Weeding(Hard & Soft)	-	-	-	-	-	-
Others(specify)	-	-	-	-	-	-

**4.2.2 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
-	-	-	-

### 4.3 IT Infrastructure

#### 4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available bandwidth (MGBPS)	Others
Existing	-	-	-	-	-	-	-	-	-
2022-23	1000	14	1000	1	1	3	1	1 GBPS	
Added	-	-	-	-	-	-	-	-	-
2022-23	-	-	-	-	-	-	-	-	-
Total	1000	14	1000	1	1	3	1	1 GBPS	

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

1 GBPS

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#### 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
Video Camera SONY XD CAM	<a href="https://nist.edu/IQAC/econtent.html">https://nist.edu/IQAC/econtent.html</a>

#### 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 (in INR)	Expenditure incurred on maintenance of academic facilities (in INR)	Assigned budget on physical facilities (in INR)	Expenditure incurred on maintenance of physical facilities (in INR)
7,12,00,000	16,41,28,782	3,00,00,000	2,69,18,779

##### 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)

Link to the policy: <https://nist.edu/about/resource-usage-policy.html>

At NIST-Autonomous, we understand the importance of maintaining and effectively utilizing our physical and academic support facilities to create a conducive learning and research environment. To achieve this, we have implemented comprehensive systems and procedures to ensure the smooth operation and optimal utilization of facilities such as laboratories, libraries, sports complexes, computer labs, and classrooms.

##### **Maintenance Policy:**

*Regular Inspection and Maintenance:* Our maintenance team conducts regular inspections of all facilities to identify any maintenance or repair needs. This includes checking for issues with infrastructure, equipment functionality, safety features, and cleanliness. *Planned Preventive Maintenance:* We follow a planned preventive maintenance schedule to ensure that all facilities are routinely serviced and maintained, reducing the likelihood of breakdowns and ensuring their longevity. *Prompt Issue Resolution:* Upon noticing any maintenance issues, our team promptly addresses them to minimize disruptions. This includes timely repairs, replacement of faulty equipment, and ensuring the availability of necessary supplies and materials.

##### **Utilization Policy:**

*Facility Booking and Scheduling:* We have a centralized system for booking and scheduling facilities to ensure efficient utilization. Faculty, students, and staff can reserve specific spaces, such as classrooms, laboratories, and

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meeting rooms, for their academic, research, or administrative needs. *Fair Utilization Guidelines:* We have established fair utilization guidelines to ensure equitable access to facilities. These guidelines prioritize academic and research needs, allowing classrooms and laboratories to be readily available for teaching, practical sessions, and research activities. *Efficient Space Allocation:* Facilities are allocated based on the specific requirements, such as the number of participants, equipment needs, accessibility, and specialized requirements. This ensures the optimal utilization of available space. *Time Management:* Users are expected to manage their time effectively to avoid scheduling conflicts and ensure smooth transitions between activities. Allotted time slots should be adhered to, and users are expected to vacate the facilities promptly after their scheduled time.

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**CRITERIA – V**

**Criterion V - Student Support and Progression (2022-2023)**

**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	Sibling Scholarship	26	260000
Financial support from other sources			
a) National	PMS for OBC/ SEBC	241	4820000
	PMS for EBC	11	220000
	PMS for SC/ ST	25	1750000
	e-Medhabruti B Tech	60	2400000
	e-Medhabruti MBA	11	220000
	e-Medhabruti MCA	7	140000
	e-Medhabruti M Sc.	7	98000
	NS to Minorities	9	360000
	NS to General Students	18	360000
	AICTE Scholarship	27	1350000
NS to Other Categories	7	140000	
b) International	--	--	--

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

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
Soft skill development & English communication	March 2023	640	Arifin, Acharya Vihar, Bhubaneswar, Odisha 751022 ph:-0674 254 0092, Mr.Anshuman Pattnaik
Awareness on IPR	14 <sup>th</sup> July 2022	60	Arpit Joshi, Examiner of Patents and Designs, (NIPAM Officer)
Next Generation Mobile Networks with 5G	11 <sup>th</sup> July 2022	45	Dr. Ashutosh Dutta, Professor, Johns Hopkins Univ USA
Antenna solutions for space constrained MIMO systems	17 <sup>th</sup> July 2022	20	Dr. Amalendu Patnaik, Associate professor, IIT Roorkee



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Prospects of III-Nitride Nanowires for Emerging Nano electronics Applications	21 <sup>st</sup> August 2022	18	Dr. Trupti Ranjan Lenka, Associate professor, NIT Silchar, Assam
Renewable Energy Resources	1 <sup>st</sup> September 2022	120	Prof Bidyadhar Subuddhi, Professor, IIT Goa
Fixed points of a polynomial	10 <sup>th</sup> September 2022	140	Dr. Tarakanta Nayak, Associate Professor, School of Basic Science, IIT BBSR
Career opportunities in defense sector for students	19 <sup>th</sup> December 2022	150	Brigadier (Dr.) L C Patnaik, Former Chairman, Odisha Public Service Commission
Carrier opportunities in the area of bio-engineering	21 <sup>st</sup> December 2022	180	Dr. Anshuman Swain, Junior Fellow at the Harvard Society of Fellows, & James S. McDonnell Foundation (JSMF) Fellow at Harvard University, Cambridge, MA, USA
Building Sustainable Career in Industry 5.0	5 <sup>th</sup> January 2023	160	Swetaleena Panda, PM & PPM professional at Siemens Healthineers
How to start your own startup	28 <sup>th</sup> February 2023	150	The Institute of Chartered Accountants of India, Startup India & Samvad
Startup and internship opportunities	24 <sup>th</sup> February 2023	180	Mr. Priyadarshi Sadangi, COO, EMTEKCOE, STPI - Software Technology Parks of India (STPI)
Counselling	11-11-2022	597 (2022 Batch 1 <sup>st</sup> Year)	NIST, Berhampur
Mentorship	14-9-2022	363 (2021 Batch 2 <sup>nd</sup> Year)	NIST, Berhampur
Language Lab	11-11-2022	597	NIST, Berhampur
Yoga	11-11-2022	597	NIST, Berhampur
How to prepare Personal Growth Matrix for B-Tech students	18-8-2022	88	Dept. of Management, NIST
How to participate in Group Discussion	6-2-2023	286	Dept. of English, NIST
Personal Branding	21-2-2023	372	Dept. of Management, NIST
Soft Skill Training	17-3-2023	136	Dept. of English, NIST

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Principal



**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 by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
2022	GATE Classes for Civil Engineering	13	-	-	-
2022	GATE Classes for EE and EEE	42	-	-	-
2022	GATE Classes for ECE	05	-	-	-
2022	GATE Classes for ME	31	-	1	-
2022	How to start your own startup	-	150	-	10 (CE)
	Startup and Internship Opportunities	-	120	-	20 (EE&EEE)
	Skill development for future opportunities in CE	-	15	-	47 (ECE)
	Building Sustainable Career in Industry 5.0	-	170	-	100 (CSE)
	Potential carrier opportunities in the area of bio-engineering	-	90	-	14 (ME)
					25 (IT)
					37 MBA
					29 MCA
					<b>Total- 282</b>

**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	No. of grievances redressed	Average number of days for grievance redressal
2	2 (Ragging cases)	3
-	0 (Sexual harassment)	Same day
5	5 (Indiscipline cases)	5 days

*Priyadarshi J. Pathy*





## 5.2 Student Progression

### 5.2.1 Details of campus placement during the year 2022 - 2023

Name of Organizations Visited	Number of Students Participated	ON Campus	OFF Campus
		Number of Students Placed	Number of Students Placed
Comviva	145	31	-
Argusoft	80	2	-
TCS NQT (Digital & Ninja)	110	15	-
TopGeek	133	-	-
Kiya AI ( Infrasoftware Technologies)	37	-	-
Trilogy Innovations	99	-	-
Open Silicon	63	-	-
BuildMate	61	5	-
Asiczen Technologies	57	8	-
Finzly Inc.	39	-	-
CoreEL Technologies	36	-	2
Utkarsh India Limited	80	1	-
Intellipaath Software Solutions	152	-	-
Recruit CRM	184	1	-
Western Digital	155	2	-
Extramarks Education Pvt Ltd	135	20	-
Consultadd Services Pvt.Ltd.	142	-	-
Accops Systems Pvt .Ltd.	98	-	-
Wipro (Elite & Velocity Program)	180	-	-
Aloha Technology	147	-	-
Qspiders	189	28	-
SMBXL	185	-	-
AIRDIT	71	1	-
Invincix Solutions	107	9	-
Tata Power	79	-	-
IServeU Technology	112	-	-
Pyramid Consulting	157	-	-
Scaledge India Pvt Ltd	42	3	-
Cozentus Technologies	187	-	-
Net Cracker Technologies	130	5	-

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Skill Lync	167	-	-
Zenus Group	111	12	-
Schaffler Technology	127	-	-
Muvro Technologies Pvt. Ltd	48	-	-
Windcare India Pvt. Ltd	110	-	-
Brainer Hub Solution	162	42	-
McAfee Software	144	-	-
Amara Raja Infra Pvt. Ltd	134	2	-
Texas Instruments	158	1	-
HIKE EDUCATION	165	5	-
Sterlite Technologies Ltd	169	2	-
Mind Graph Technology	96	6	-
Garuda Aerospace	147	-	-
Qualified Recruiters	75	1	-
Kikstart Careers	80	-	-
Skill Vertex	120	45	-
Adani Group	191	1	-
Hexaware Technology	44	3	-
Tekgence India	107	-	-
Eastern Software Systems	85	-	4
Hindustan Construction Company	133	-	-
Rumango	172	-	-
Searching Yard Software	84	-	-
PWC	59	-	-
PlanetSpark	177	-	-
Marquee Semiconductor	182	2	-
Kirat IT Solution	105	-	-
Summit Technodyne Pvt. Ltd.	117	-	-
Karamtara Engineering Pvt Ltd	60	-	0
OnsiteGo	78	-	-
TATA Steel	169	-	-
The Unique Culture	50	-	-
Dhal Information System	132	9	-
National Australia Bank	113	-	-
HP R&D	153	-	1
Titagarh Wagons Limited	60	-	-



Re Sustainability Limited	37	-	-
Wiley Edge	52	-	-
Intellipaate Software Solutions	139	1	-
ITC LTD	184	1	-
Tech Mahindra	149	-	-
Cognis	68	-	-
ATOS Culture	128	-	-
TATA Steel Mining	123	-	-
Knowledge Lens	127	15	-
Tega industries	79	-	-
AD 9 Synthetic & Sports	137	1	-
Liugong India Pvt. Ltd	146	-	-
Nucleus Software Export Ltd.	44	-	3
Code Clause	90	-	1
Teccads Solutions Pvt Ltd.	41	-	1
CryptoXpress	63	-	3
ByteLearn	64	-	1
Venturesathi Business Services LLP.	83	-	1
KodNest	164	-	1
Dot AI Pvt Ltd.	58	-	1
Enrich Hosting Pvt Ltd.	84	-	1
Bariflow Labs Pvt. Ltd.	70	3	-
Ocean Friends LLC	82	-	-
SVAVA (Syfe) Technologies India	70	-	-
iNeuron Intelligence Pvt. Ltd.	36	-	-
Gosprint Logistics Pvt. Ltd. (Swift)	46	-	-
CadSys India Limited	97	-	-
MAHLE ANAND Thermal System	89	-	1
Riktam Technology Consulting	71	-	1
Sun Mobility Pvt. Ltd.	83	-	1
Tech Analogy Pvt Ltd.	47	-	1
Ceptes Software Pvt. Ltd.	81	-	1
Hitachi Hi-Rel Power Electronics	78	-	3
Tekion India Pvt Ltd	94	-	1
Goitdev Technologies OPC	40	-	1
WhitesheepTechnology	38	-	1



MacroCosmos Creations	86	-	1
Peol Solutions	108	-	-
Satrix Group	79	-	-
Live Digital Technology	120	5	-
Galacon Infrastructure & Projects	65	2	-
Xcel Corp	149	1	-
BlueFlame Labs	99	0	-
Vijaya Bhanu Engineering India	63	0	-
Tech Mahindra	78	0	-
Cyberswift Infotech Pvt Ltd	55	1	-
LogicMo Systems Private Limited	46	0	-
Pick Your Trail	74	0	-
Berger Paints	60	0	-
Learning Shala	58	3	-
ICICI Bank	77	21	-
Growth Arrow	70	0	-
TCS	147	0	-
Property Brands	146	8	-
ICICI Prudential	56	6	-
GATI - KWE	54	-	5
IndiaMART	57	-	-
TCS NQT	147	-	-
Glenmark Life Sciences	48	-	-
Aurigene Discovery Technologies	49	-	-
Re Sustainability Limited	76	-	-
	-	<b>365</b>	<b>42</b>
<b>TOTAL</b>			<b>407</b>

### 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
2022	14	B.Tech	ECE, ME, CE, CSE	University of Birmingham, England (QS World: 87); (M. Tech. IIT Tirupati); University of Pennsylvania, USA (QS World: 13);	MBA, MS, M.Tech. Ph.D.





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				(M. Tech, NIT Surathkal, L&T Sponsored) IISC Bangalore; IIT Jodhpur MBA (IIM Ahmadabad), VSSUT Burla JAIN University IGNOU, Delhi	
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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	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET	-	-
SET	-	-
SLET	-	-
GATE	2	-
GMAT	-	-
CAT	4	-
GRE	5	-
TOFEL	1	-
IELTS	1	-
Civil Services	-	-
State Government Services	4	-
Any Other		-

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

Activity	Level	Participants
KURUKSHETRA 2K23	State	250
Foundation Day 2022	Institute	2000
SANKALP 2K23	National	2000
Inter-college sports NIST Cup 2022	State	150

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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/ International	Sports	Cultural	Student ID number	Name of the student
2023	SHAURYA PMEC Runners up in Kho-Kho Girls	State	Sports	NA	202011185 202011311	Vaishnavi Pathak Manaswi Kusum Mariya Sonalika Deepti priyadarshini
2023	SHAURYA PMEC Winner - Table tennis Boys	State	Sports	NA	201910153	Ajay & Bimlesh Palo
2023	SHAURYA PMEC Winner - Table tennis Girls	State	Sports	NA	202011185 202011311	Vatsala Pushkar & Smrutishree Rath
2023	Orion 2023 Winner - Table tennis Boys	State	Sports	NA	201910153	Ajay & Bimlesh Palo
2023	Battle of Bands, PMEC Runners up	State	NA	Cultural	202010081 202010131 202140368 202110338 202110127 202110114	Shovan Mishra Dilsekh Pattnaik Amit Prakash A Aryan Satyajit Sahu Ayushman Bhaba Padhy A Ashish Kumar
2023	Winner in Hip-hop (Solo Dance) PMEC, Berhampur	State	NA	Cultural	202044069	Dibya Ranjan Sahoo
2023	Winner in Odissi OTR Fest, BBSR	State	NA	Cultural	202144160	Gulsan Kumar Jani
2023	2nd Position in Hip-Hop Solo Dance OTR Fest,	State	NA	Cultural	202221499	Ayusha Mishra

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	Bhubaneswar.				
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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)**

Students actively participate in various academic and administrative bodies and committees within the Institute, playing a crucial role in coordinating events related to academics, as well as co-curricular and extra-curricular activities. Their involvement extends to key decision-making forums such as the Curriculum Review Committee and Board of Studies (BOS), where they contribute suggestions for updating syllabi.

Within department associations, students assume roles such as President, Secretary, and Treasurer, taking charge of organizing Intercollegiate Meets, Conferences, and Seminars. In matters related to hostel life, student nominees on the Hostel Welfare and Mess Committee advocate for the concerns of residents to the Warden, actively contributing to the effective functioning of the hostels. Additionally, students represented in the Anti-Ragging Committee, alongside administrators, work diligently to maintain a ragging-free environment on campus.

Class Representatives are tasked with monitoring disciplinary activities within each class and serving as liaisons between students and Heads of Departments (HODs) to address grievances. Students involved in Extension Activities such as National Cadet Corps (NCC), and National Service Scheme (NSS) Units participate in outreach programs aimed at contributing to the welfare of the local community and fostering a sense of social responsibility among students.

Furthermore, students actively engage in various clubs and committees, including the Cloud Computing, Club Excel, Multimedia club, Data Science club, Renewable Energy club, Robotics club, NIST Musical Society, NIST Astronomy club, CAT club, Electronics Hobby club, CivEng's club, NIST Counselling services, Sports Committee, Alumni Association, Sexual Harassment Cell, Library Committee, showcasing their proactive involvement in diverse aspects of campus life.

**5.3.3 Number of sports and cultural events / competitions organized by the institution: 71 Events**

**Sports events:**

1. Annual NIST Cup Competition 21 March-24 March 2023: **2 Events**

Sports events for faculty and staff:

2. Intercollege Sports Meet KURUKSHETRA-2023 at NIST (24 March-28 March 2023): **14 Events**

Sl No.	Name of Event	Boys	Girls	Participants
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1	Kabaddi	Y	Y	
2	Kho Kho	Y	Y	
3	Badminton	Y	Y	
4	Table Tennis	Y	Y	
5	Basketball	Y	Y	
6	Throwball	-	Y	
7	Cricket	Y	-	
8	Volleyball	Y	Y	

3. Intra-college sports fest from 7 April 2023 to 11 April 2023: **9 Events** (for Boys and Girls)

**Cultural Events: 4 events**

- 26/01/2022: Republic Day Celebration
- 08/03/2022: International Women's Day Celebration
- 15/03/2022: World Social Work Day Celebration
- 23/03/2022: Martyrs Day Celebration

**Technical Fest/ Academic Fest: 02**

- Institute Foundation Day Fest (17 September 2022): One day
- Sankalp 2023 techno-management event (30-31 March 2023): Two days

**Any other events through active clubs and forums: 40 events**

Sl No.	Name of Club	Event Name	Remark
1	Club Eureka	Teevra	
2	Club Eureka	Squid Games	
3	Renewable Energy Club	Navosthan Prastuti	
4	Renewable Energy Club	Pratispardha	
5	Club Innova	Fortune Tambola	
6		Demonic Castle Ground	
7	Club Multimedia	Sajjitam Sanganak	





8		Technomind	
9		Krunker Arena	
10	NIST Astronomy Club	Treasure Hunt	
11		Planetarium Display	
12		VR Display	
13		Astronomy Project Display	
14	NSS	Tangzimana	
15	Electronic Hobby Club	Sampraty Prastuti (Idea Presentation)	
16		On-spot Circuit Design	
17	Cloud Computing Club	Battle Royal	
18		Quiz and Quench	
19		Cloud Computing Idea Festival	
20	Data Science Club	Song and Step Surprise	
21		Gesture Challenge	
22		Quiz and Code debugging	
23	Art and Dramatics Club	Sansiddhi	
24		Kala Kautilya	
25	CAT Club	Bid the Bidders	
26		Grandmaster	
27	Club Excel	Code and Decode	
28		Code Crusade	
29	NCS	DRISHYAM	
30	Management Club	Blindfold Challenge	
31		AD MAD Show	
32		Team Building (Paper presentation on Business plan)	
33	CIVENG Society	Human Ludo	
34		NIST Replica Competition	
35		Natural Cool Building	

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36	NIST Robotics Club	Robo War	
37		Boto Ball	
38		Line Follower Contest	
39	NIST Dance Club	Eye to Eye	
40		Battle of Beats	

#### 5.4 Alumni Engagement

5.4.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words):

Yes, Institution has registered Alumni Association named as National Institute of Science & Technology Alumni Association (NISTAA) registered under society Act 1860 on date- 3<sup>rd</sup> February 2020, having its office inside the campus of National Institute of Science & Technology. Every year it is conducting its regular General Body & Governing Body meeting as per its bye- Law.

The aims and objectives of the society are

1. To promote an active Alumni Association of National Institute of Science & Technology, Berhampur
2. To promote fraternization amongst alumni of the Institute.
3. To promote the Socio-Cultural interaction between the alumni and their family.
4. To build active network of alumni across India
5. To help the institute collaborate with the industry for better student placements and faculty upgrade. To create an awareness about the achievements, contribution, and the rich of heritage of the institute with in the media as well as the industry.
6. To institute and organize scholarship funds to help the needy and deserving students of the institute.
7. To institute prizes and awards for outstanding project work, research papers and other professional activities by the faculty, alumni, and the students of the institute, and to suitably recognize outstanding social and community services rendered by them.
8. To create CHAIRS in the institute for promoting Research and Development.
9. To establish closer interaction amongst members of the society and the industries. To work with like-minded organizations to foster better community building. To mobilize resources for supporting the objectives of the society. To undertake all such activities as are conducive or incidental to the attainment of the above objectives and are beneficial to the interests of the institute of technology and/or its alumni.

5.4.2 No. of registered Alumni:

15

5.4.3 Alumni contribution during the year (in Rupees):

7500

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5.4.4 Meetings/activities organized by Alumni Association:

09

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## CRITERIA – VI

### Criterion VI: Governance, Leadership and Management

#### 6.1 Institutional Vision and Leadership

##### Vision

Focused on high-quality teaching, creative innovation, entrepreneurship, and universal partnership.

##### Mission

A research institute committed to academic excellence, fundamental research and innovation, nurturing global citizens, and collaborative engagement.

##### Core values

Belief: In respect, integrity, compassion, diversity, and teamwork

Excellence: In academics and research

Encouragement: For freedom of thought, expression, and viewpoint

Spirit: of community, nation-building, inclusive growth, and recognition of individual uniqueness.

Truth: In the pursuit, dissemination, and application of knowledge

##### Leadership

It is guided by the Founder Chairman of the institute, Dr. Sukant K Mohapatra, the leadership team represents diverse functions, and are committed to collaboratively serving significant organizational purposes for which they hold themselves mutually accountable. They bring together and lead staff and faculty and ensure aligned action. The figure.1 indicates the leadership team.

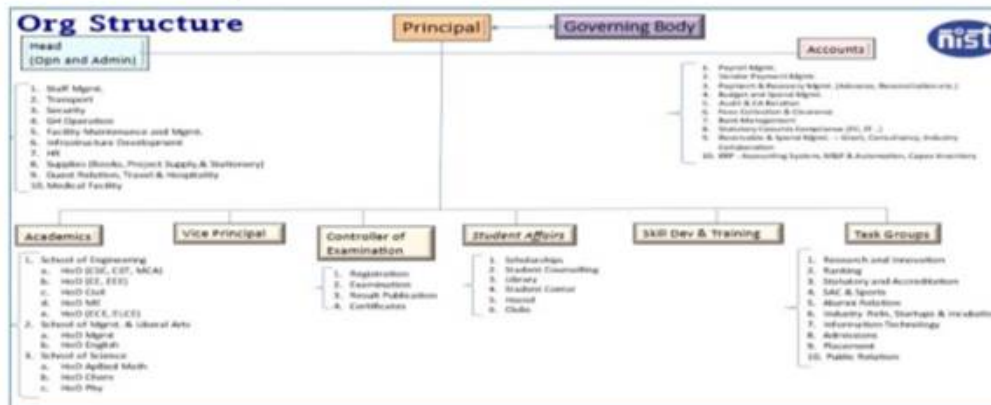


*Pradyumna K. Sapaty*



### 6.1.1 Mention two practices of decentralization and participative management during the last year

The Institute has decentralized and participative management practices. The below-mentioned organizational structure provides concrete information on various levels of decentralization. The institution follows participative management in every functional area of operation such as various academic affairs are taken care of by the head of the department, and controller of examination with the support of deputy controllers. Various groups are formed to modulate the decisions taken for effective implementation.



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

- **YES-** The link for accessing is pasted below

<https://nis.nist.edu/>

## 6.2. Strategy development and deployment:

The institute formulates a strategic plan to visualize and accomplish its vision and mission, through the formulation of curriculum development, development of teaching and learning strategies, formulation of examination and evaluation policies, policies for library, ICT and physical structure/Instrumentation, emphasis on human resource management practices and policies, industry collaboration and procedure for admission of students.

### 6.2.1 Quality Improvement Strategies adopted by the Institution for each of the following

- **Curriculum Development:** Teachers are the key stakeholders who are involved in the process of developing and structuring the curriculum for various subjects. The teachers develop, analyze, and evaluate the course structure and finalize it after proper discussion with the head of the department for further processing. The institute through the conduction of the Board of Studies (Bos) develops the curriculum of the subjects, the board of studies consists of subject experts from the department, with active involvement of alumni in the process. The passed course structure is further submitted to various internal bodies to be implemented.
- **Teaching and learning:** Each subject teacher is required to develop their course file based on the allotted subject. The institute follows a checklist that every teacher needs to maintain, and the departmental head verifies it at the end of each semester.



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Sl No	Item	Remark
1	Syllabus	Subject syllabus page
2	Teaching Plan	As per the format given
3	Time table	Concerned subject timetable only
4	Study Materials	ppts, e-book, Q&A booklet, etc whatever you give to students
5	Case Discussed	As per the lesson plan, One case per module
6	Guest Lecture	One guest lecture per subject. Invitation email, Confirmation email from guest, GI tagged photo of session, thank you letter from the host
7	Mid-semester question paper	With CO-PO
8	Scanned copy of answer scripts	Best 3 and worst 3 full script scans
9	Result analysis	Result of Mid Sem in Excel sheet, analysis of results highlighting the slow learners, Action taken report for slow learners
10	University result analysis	if available in NIS, take a copy
11	Assignment, Quiz, Surprise Test question copies, etc	As per the internal marks composition of the institute
12	Seminar details	Scanned copy of your markings
13	Mentoring details	As submitted to the mentoring coordinator
14	Final mark sheet submitted to CoE	in excel sheet
15	Course completion report	from NIS duly signed by HoD

- Examination and Evaluation:** The institute has a separate centralized examination cell for the conduction of examination and it is controlled by the controller of examination (CoE), deputy controller, and exam superintendents. For each batch, an exam superintendent is designated to conduct the exam. The central examination cell has a separate process for evaluating the answer scripts. The CoE is responsible for the smooth conduction of exams as per the academic calendar and the evaluation of answer scripts in a proper manner. The CoE adheres to the provided list of paper setters, moderators and examiners duly passed and approved by the Bos.
- Research and development:** The institute has a research and development cell, headed by a Rand D coordinator. Each department nominates a departmental member to the research and development cell for the smooth conduction and passing of various research activities. The Institute has various research groups such as the Novel Material Research Laboratory, VLSI Embedded System and IOT Group, Nano Science and Technology Group, Microwave and Antenna Group, Embedded System Design, Materials Research & Characterization Group, and various centers of excellence in Industrial Automation, the center of excellence in network vision and network security, the center of excellence in renewable energy, and the center of excellence in mechatronics. The total number of SCOPUS publications in various national /international journals are 40, 3 patents.
- Library, ICT, and Physical Infrastructure/Instrumentation:** The institute has a central library with a self-developed Online Library Information System. The library has four different units for different streams such as central, MBA, MCA, and competitive sections. The library has an internal regulation system for transactions and a library circulation system. The library opens for students from 9 A.M. to 8 P.M. Our library has clear guidelines

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Principal

for borrowing materials, accessing electronic resources, using study areas, and maintaining a conducive environment for studying. The library has a facility of drop box for books to be dropped so that students can have a time-saving approach. The institute has various academic and administrative buildings like the Lecture Hall complex, Galleria, OCTAGON, and ATRIUM.

- **Human Resource Management:** NIST has implemented an ERP system (NIST Information System/ NIS) developed in-house. The same is accessible on the intranet as well as from outside. For effective HR management, the ERP has modules for Leave approval which provide information on leave count, class adjustment, and multi-level leave recommendation/ approval. The attendance is captured with a biometric attendance system (facial and fingerprint). There is an HRD module that gives detailed information about each of the staff and faculty members.



- **Industry Interaction/Collaboration:** NIST has standing MoUs with 13 numbers of Companies/ Industry houses. The scope of the MoUs includes training, collaborative product development, consultancy work, pre-placement offers, etc. Resource persons from the industries have been invited to deliver motivational talks to the newly inducted and outgoing students. They have been actively involved in the syllabus revision/ updating activities through the BoS. Some of the industry experts are BoS members and some are invited to provide crucial feedback on market-driven syllabus framing. Students have been availing internships at the partner industries.
- **Admission of students:** NIST intimates the eligibility criteria, fees, and admission process for each course to whoever calls us for an inquiry. NIST receives admissions through OJEE counselling only. A student needs to participate in the OJEE counselling process. Whoever gets the final allotment reports to the institute within the given period. They need to submit the final allotment letter, the original leaving or transfer certificate from the previous institute, and a set of photocopies of the documents uploaded for OJEE counselling. After that, they pay the institute fee and receive the identity card. Students with ID cards are only allowed to attend the classes. The institute intimates their registration numbers after receiving them from the university. For anyone who cancels their admission before the UGC-set deadline, NIST strictly adheres to the UGC refund policy.

*Priyadarshi J. Pathy*





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

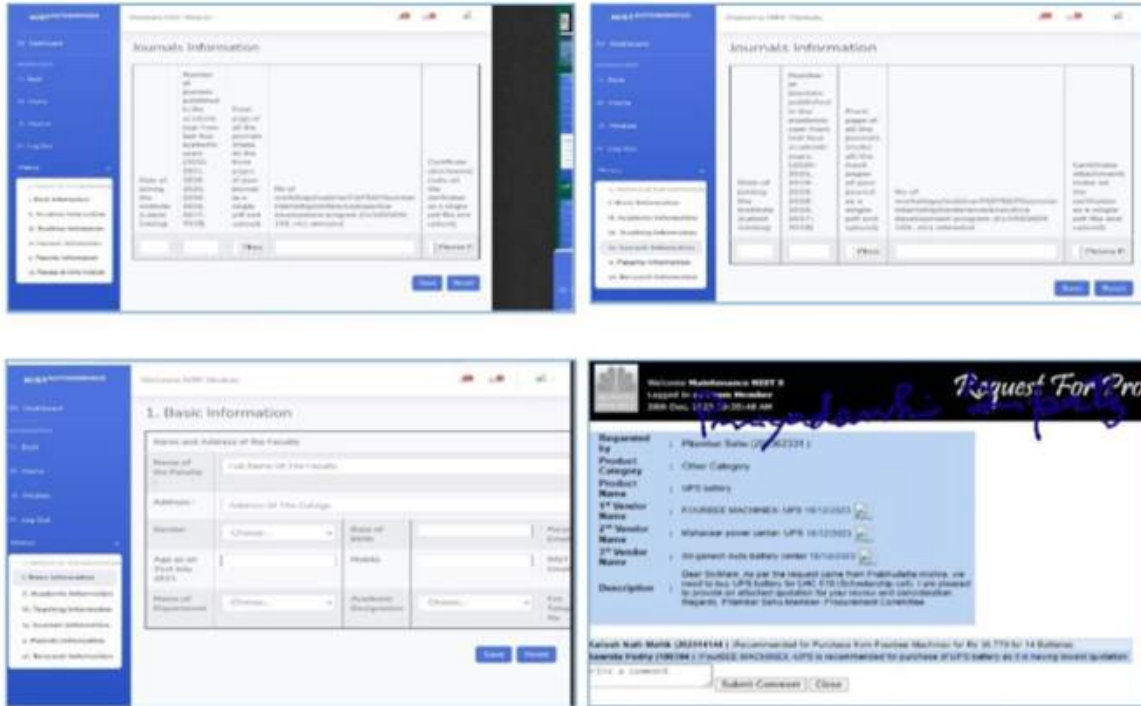
NIST has developed its Enterprise Resource Planning (ERP) system which is called as NIST information system. It has various modules such as academic, financial, administrative, facility, employee desk, HRD, and student desk.



- **Planning and Development:** The NIS took a proactive approach and directed its attention towards a wide range of planning and development endeavors, employing diverse methodologies such as the creation and enhancement of multiple modules, including but not limited to procurement and the National Institutional Ranking Framework (NIRF). To ensure comprehensive exploration and examination of the diverse elements entailed in the growth and progress of these modules, a specialized committee was established, with the primary purpose of engaging in extensive discussions and deliberations on various aspects pertaining to their development.

*Priyadarshi D. Pathy*





- Administration:** The institute under the administrative head maintains information on a bulletin board, which provides information on various notices given by the faculty members and staff members of the institute, it also has various other modules such as a procurement management system. The procurement management system modulates all the requisitions for the procurement of accessories. The project management system maintains information regarding project details, uploading reports, uploading PPTs, maintaining marks, and project clearance. The grievance cell maintains the grievances raised by the students, and faculties and forms various teams the grievances are addressed for timely solutions and appropriate results.



- Finance and Accounts:** The ERP system of the institute has a module that covers various aspects relating to financial aspects with employee concerns. It has two sub-sections as advanced management system and the personal advance system. The advanced management system provides advances to the faculties for attending various conferences, FDP, and workshops. The employees who avail advance for attending various conferences, FDP, and workshops need to go for a presentation after coming to the institute which provides a scope for others to

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have a knowledge-sharing session. The personal advance management system provides loans to employees on various grounds like higher education, purchase of vehicles, and personal loans. It is done through proper verification by the approval authority.

To see Advance Details, click on the corresponding Short Description

**Advance Details**

Sl. No	Category	Short Description	Apply Date	Applied Amount(s)	Status
1	Personal	personal loan	20/02/19	2000	Settle
2	Higher Study	for paying 7th semester fee	19/02/19	1000	Settle
3	Higher Study	for paying semester fee	08/12/15	1000	Settle
4	Higher Study	For 7th Semester fee	20/12/14	1000	Settle
5	Personal	for personal use	20/02/14	2000	Settle
6	Higher Study	for Registration	22/02/13	2000	Settle
7	Personal	personal use	14/02/13	1000	Settle

Print Friendly Report

**nist INFORMATION SYSTEM**  
 NIST INSTITUTE OF SCIENCE AND TECHNOLOGY (AUTONOMOUS)  
 Institute Park, Pallur Hills, Berhampur, Odisha-761008

**Notice Board**

**Advertisement for the Recruitment of Staff (B.Tech. B.T. & B.A. 2023-24)**  
 The following students are shortlisted for the recruitment of B.Tech/B.T. & B.A. 2023-24. The recruitment process was held on 20/02/2023. The results of the recruitment process are as follows: B.Tech/B.T. & B.A. 2023-24. The recruitment process was held on 20/02/2023. The results of the recruitment process are as follows: B.Tech/B.T. & B.A. 2023-24.

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- Student Admission and Support:** The Institute proactively uses the NIS for various purposes relating to student admission and support such as entering newly enrolled student data, maintaining information on a candidate's background, details with registration of the student, and fees payment. It acts as a comprehensive platform for dealing with various data for students enrolling in a program and also verifying certificates (such as 10th, and 12th examinations) of the enrolled students for smooth functioning of further processes.

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**Academic**

**Administration**

**Employee Desk**

**Facility**

**Financial**

**Notice Board**

**Admission Information System**

**Bulletin Board**

**Grievance Cell**

**hostel Management**

**Verify Certificate**

To Verify Certificate, Click on the corresponding Roll Number

Sl. No	Batch Year	Roll Number	Name	Grade
1	2019	201949	SARIN ANSHU	Pass
2	2019	201950	SAHAI ANSHU	Pass
3	2019	201951	SARIN ANSHU	Pass
4	2019	201952	SARIN ANSHU	Pass
5	2019	201953	SARIN ANSHU	Pass
6	2019	201954	SARIN ANSHU	Pass
7	2019	201955	SARIN ANSHU	Pass
8	2019	201956	SARIN ANSHU	Pass
9	2019	201957	SARIN ANSHU	Pass

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- Examination :** The institute effectively utilizes the National Institute science and Technology (NIST) information system for a multitude of examination-related endeavors. These endeavors include, but are not limited to, the extraction of diverse reports pertaining to the attendance of students, the uploading of question papers by faculty members, the uploading of marks, as well as the extraction of reports for both internal and external result publication. By harnessing the power of the NIST information system, the examination department is able to streamline and enhance the examination processes, ensuring efficient and accurate record-keeping and reporting.







### 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.

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
-	-	-	-	-

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

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	Dates (from-to)	No. of participants (Teaching staff)	No. of participants (Non-teaching staff)
2022-2023	Hands on Renewable Energy Systems	Hands on Renewable Energy Systems	10th Aug 2022 to 20th Aug 2022	10	4
2022-2023	AI & Data Science	Python Program	10-06 -2022to 21-06 -2022	15	6





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

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	Date and Duration (from – to)
National workshop on application of Econometrics in social science and management research	30	18th -23rd July 2022
International FDP on Advances in Machine Learning, Image Processing and Natural Language Processing	30	16th August- 21st August 2023

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

Faculty and Staff recruitment (no. for permanent recruitment):			
Teaching		Non-teaching	
Permanent	Fulltime	Permanent	Fulltime
19	19	6	6

**6.3.5 Welfare schemes**

Welfare scheme	
Teaching	Group Insurance, ESI, provident fund
Non teaching	Group Insurance, ESI, Provident fund
Students	Student Insurance

**6.4. Financial Management and Resource Mobilization**

**6.4.1 Institution conducts internal and external financial audits regularly**

The institute has established an internal and external audit committee. The internal audit committee is composed of four individuals: the principal, who also serves as the chairman of the finance committee, a representative chosen by the governing body, the finance officer of BPUT, and the ex-office member. On the other hand, the external audit is carried out by a chartered accounting firm known as MDC & associate.

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

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/ Grants received in Rs.	Purpose
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Alumni contribution	33600	Alumni association
Sambad Ama Odisha	7300	Blood donation camp
Total fund generated		40900

### 6.5 Internal Quality Assurance System

<b>6.5.1 Whether Academic and Administrative Audit (AAA) has been done?</b>				
Audit Type	External		Internal	
-	Yes/No	Agency	Yes/No	Authority
Academic	Yes	NIRF	Yes	IQAC team
Administrative	-	-	-	-

*Priyadarshi J. Pathy*



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

- Foundation day Program
- Orientation program for students
- Sankalp (Inter College Tech fest)

#### 6.5.3 Development programs for support staff (at least three)

- Faculty orientation Program
- Staff Orientation Program
- Thursday seminar
- All hand meeting

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

##### Initiative-1

Student academic and psychological support system implemented through NIST Counseling Service (NCS).

##### Initiative-2: Establishment of research cluster

NIST is located at Berhampur, a regional hub for education in southern Odisha. It is in the vicinity of a few other reputed institutions such as (i) IISER, Berhampur (ii) Berhampur University (iii) Army Air Defense College (iv) Parala Maharaja Engineering College (v) Khallikote University (vi) MKCG Medical College and Hospital. The institute has a collaborative research agreement with these partner Institutions to share the available research facilities, form research groups for collaborative project works, student exchange and internship etc.

In addition, there are a few good industries and research organizations in the periphery which have executed agreements to provide internships and pre-placement research skill training to NIST students. Indian Rare Earth Limited (IREL), Grasim Chemicals Ltd. are providing internship opportunities to the students.

##### Initiative-3

Implementation of Google Education Enterprise solution, classroom,

##### Initiative-4

Curriculum reviews

##### Initiative-5

External expert interfacing for improving research

##### Initiative-6: Introduction and discontinuation of specializations

New specializations were added to the UG courses keeping in mind the employment scenario.

- B.Tech (Computer Science and Technology) was introduced in the year 2022.
- B.Tech (Electronics and Computer Engineering) was introduced in the year 2022.

##### Initiative-7: Hand holding for underperforming students

Underperforming students were identified by the batch coordinators and remedial doubt clearing classes were arranged for them in three different ways.

- Extra doubt clearing classes introduced in the time table during academic hours.
- Doubt clearing classes for the hostels arranged at the hostels separately.





- Doubt clearing classes for the day borders arranged at the city office.

#### **Initiative-8: Campus wide Wi-Fi and LMS**

Entire campus has been enabled with Wi-Fi access points and firewall to allow students access study material at all times.

#### **Initiative-9: Leadership**

With the institution growing in size, additional academic and administrative leadership positions would be helpful in effective management of activities. Posts of Student Activity Center Coordinator, NIST Centralized Club Council Coordinator and Advisor were created as part of this initiative. Faculty members were given opportunities to serve as faculty-in-charge of these positions. Already other such positions such as scholarships, placement, sports, student affairs, programme coordinators, etc. are being manned by faculty members.

#### **Initiative-10: Institution of Gold medals**

In order to recognize the individual achievements of students and alumni, several awards and prizes were instituted as listed below.

- Institute gold medals for each degree programme separately. (B.Tech-Branch wise, MBA, MCA, M.Tech)
- Distinguished Alumnus award for alumni exhibiting outstanding achievements in extraordinary fields.

#### **Initiative-11: Co-curricular activities**

Funding for clubs is provided as per the annual budget presented by each club and event calendar published by the NIST Centralized Club Council.

#### **Initiative-12: Ensure mental well-being of students and staff**

- Student counseling: It was observed that the students were subjected to different types of mental pressure at times. This comes from the different proficiency levels of the students coming from diverse backgrounds. While some students faced difficulty grasping the academic concepts in the first year, some other students faced discomfort staying away from their family in a hostel environment. This required individual attention to each of the students. An arrangement was made in line with the counseling system implemented at IIT Kanpur wherein select meritorious student volunteers of senior years actively engaged with the first year students to understand the challenges faced by the freshers and bring it to the notice of the counseling faculty. It was a three-tier system involving the teachers, senior students and freshers. This approach has resulted in drastic improvement in the student happiness and brought out excellence in the students.
- A corporate leadership and happiness program "Transformative Leadership Retreat" was conducted for staff and faculty members on 15-16 Nov 2019. Sri. Shankar Hemmady (CEO, Green Horizons, San Francisco, and Mentor & Visiting Faculty, MICA, Ahmedabad) was the resource person for the program. The mentor gave NIST faculty members a new perspective about "Learning How to Learn, and How to Unlearn." That's how one can bring positive change in the body and the mind.

#### **Initiative-13: Procure tools to support high-quality research**

Software licenses were procured and non-academic labs were commissioned for the students and faculty members to carry out industry relevant research.

- Cadence (Perpetual licenses for 10 users) was procured for the Dept. of ECE.





- AutoCAD student version was licensed (free) for the Dept. of ME and Civil Engineering.
- A Fab lab was set up for rapid prototyping of printed circuit boards.
- A 5G test bed and Enterprise private 5G network was setup from grant-in aid received from Celona Inc. USA.

#### **Initiative-14: Introduction of PhD program**

PhD program was introduced in the year 2022 under Autonomous College Regulations. The Departments having master's degree program and adequate supervisors were allowed to offer PhD programs.

#### **Initiative-15: COVID-19 Initiative – Online Teaching / Learning Infrastructure**

In order to stick to the regular academic calendar even during COVID induced pandemic, all classes were pre-emptively hybridized to online-physical mode. With COVID restrictions, the students discontinued the physical classes in progressive numbers. The hostelites vacated the hostels in phases, as they could get tickets to travel to their hometown. To ensure each student receives uninterrupted and uniform instructions, the classes were hybridized before becoming fully online.

Most of the classes were conducted using Google Meet (for which each student already had a nist.edu account) and the class recordings were made available for revision. For certain cases where larger audiences were present, licenses for Zoom were procured. Writing device is provided to course instructors to help them to write on paper and transmit the same digitally to the learners.

#### **6.5.5 Other accreditation agency**

- |  |   |           |     |
|--|---|-----------|-----|
| a. Submission of Data for AISHE portal | : | (Yes /No) | No  |
| b. Participation in NIRF               | : | (Yes /No) | Yes |
| c. ISO Certification                   | : | (Yes /No) | NO  |
| d. NBA or any other quality audit      | : | (Yes /No) | NO  |

#### **6.5.6 Number of Quality Initiatives undertaken during the year.**

Year	Name of quality initiative by IQAC	Date of conducting activity	Duration 2022-23	Number of participants
2023	Internal quality team visit	09/09/2022 07.12.2022 23.03.2023 22.06.2023	-	-
2023	Departmental academic audit visit	16.09.2022 09.12.2022 21.03.2023 24.06.2023	-	-

*Priyadarshi D. Pathy*

## CRITERIA – VII

<b>Criterion VII–Institutional Values and Best Practices (2022-23)</b>			
<b>7.1 Institutional Values and Social Responsibilities</b>			
<b>7.1.1 Gender Equity (Number of gender equity promotion programs organized by the institution during the year July 2022 to June 2023)</b>			
Title of the program	Period 2022-2023	Participants	
		Female	Male
International Women's Day Program	8 <sup>th</sup> March 2023	136	27

<b>7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as the percentage of the power requirement of the College met by the renewable energy sources:</b>
<p>1. The NIST NSS Club joyously observed Vanomohostav on July 15, 2022, both within and beyond the campus premises. A small meeting was held on that occasion. Our beloved Principal Dr. Priyadarshi Tripathy emphasized the vital role of trees in our environment in this meeting, furthermore the plantation programme was initiated by him and many students and faculties took part in the plantation activity.</p> <p>2. NIST consuming on an average 70925.07 KWhour from grid per month &amp; 11416 KWh is collected from renewable resources. Hence the total (13.86 %) of power requirement met by the renewable resources.</p>

<b>7.1.3 Differently-abled (Divyangjan) friendliness</b>		
Items Facilities	Yes / No	No of Beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Braille Software/facilities	No	-
Rest Rooms	Yes	1
Scribes for examination	Yes	1
Special skill development for differently bled students	No	-
Any other similar facility (Wheel Chair facilities have been provided to the student)	Yes	1



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#### 7.1.4 Inclusion and Situatedness

Enlist the most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address location advantages and disadvantages					
			Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff
2022-23	3					
-	-	Disadvantage: NIST is situated around 20 km from the Berhampur city	03Dec 2022	Two new buses were added to the existing fleet for two new routes.	Transportation	100 students
-		Disadvantage: We are remotely located, which hinders our research activity due to unavailability of proper resources	19 Jan 2023	We have made collaboration with nearby national level and state level institutes like IISER Berhampur, Berhampur University and MKCG Medical College & Hospital	Research facilities	4900
	Advantage: Clean & Green Campus		July 15 2022	Regular plantation activities and maintenance activity has been conducted to increase green coverage of the campus.	Increasing the Green Cover in the Campus	4900

#### 7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow-up (Maximum 100 words)
EMPLOYEE HANDBOOK (Rules and Regulations Version 2.0)	July, 2019	The effective implementation and adherence to the "Employee Handbook" at NIST entail collaboration among diverse stakeholders, with responsibilities distributed across various roles. Designated individuals and groups are tasked with ensuring the proper execution. The principal holds overall responsibility for institute affairs, overseeing day-to-day management. Furthermore, the HR Department, the Staff Welfare Committee, the Performance Evaluation and Appraisal Committee, and the Ethics Committee actively contribute to the successful implementation of the Employee Handbook. This collective effort fosters a comprehensive approach to employee guidelines and welfare within the organization.

*Priyadarshi J. Pathy*  
Principal





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<p>STUDENT HANDBOOK Rules and Regulations B.Tech   M.Tech   MBA   MCA   PhD Version 2.0 rev 1.3</p>	<p>April 2022</p>	<p>NIST maintains a Disciplinary Committee (DC) led by a chairperson appointed by the Institute, comprising faculty members. This committee addresses complaints, scrutinizes evidence, and proposes appropriate sanctions. Recommendations, including suggested punishments for proven guilt, are submitted to the principal for implementation. Unlike a court of law, the standard of proof may vary. Additionally, the institute establishes various committees/cells, such as the Women Grievance Cell, Anti-ragging Cell, and NIST Counselling Service etc. to uphold human values and professional ethics. These entities collectively contribute to fostering a secure and ethical environment within the institution and proper implementation of the policies mentioned in the handbook</p>
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#### 7.1.6 Activities conducted for the promotion of universal Values and Ethics

Activity	Duration 2022-2023	No. of Participation
Universal Human Values course has been imparted	Sept 2022 to Jan 2023	682

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

1. Monthly Cleaning by NSS students
2. Awareness campaign for Clean & Green Campus
3. Renovation of uncleaned pond
4. Massive plantation (Vanmohostav)
5. Adding another electric golf cart for a campus visit
6. Making a decomposition pit for converting organic waste to manure
7. Segregation of waste for proper disposal

#### 7.2 Best Practices

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

**Best Practice-1: NIST Summer Research Internship (NSRI)**

<https://nist.edu/IQAC/best-practices.html#2022-23>

**Best Practice-2: Industry Sponsored Internships on-campus**

<https://nist.edu/IQAC/best-practices.html#2022-23>

#### 7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and Thrust.

Provide the web link of the institution in not more than 500 words

<https://nist.edu/IQAC/distinctiveness.html>

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