

SANT LONGOWAL INSTITUTE OF ENGINEERING & TECHNOLOGY
(Deemed-To-Be-University)
LONOGOWAL-148106

ACADEMIC AUDIT (2022-23)
PROFORMA OF ASSESSMENT

1. Name of the Department : Computer Science and Engineering
2. Reviewer (Name, Designation & Address) : Dr. Mayank Dave, Professor, NIT Kurukshetra
3. Date of Review: 13.10.2023

NOTE:

- i. Please grade in the box provided for the following parameters in the range of 1-10 with 10 being the highest.
- ii. Leave 'blank' for 'No Comment'.
- iii. Kindly give your opinion on the strength and weakness of the Department and your suggestions for future growth.

A. ACADEMICS

A.1	ICD Programme	Score	
		Self-assessment	Expert assessment
1.	Curriculum (Structure, Course Syllabi, Flexibility), Theory/ practical (contents/ratio).	10	8
2.	Equivalence and Relevance of curriculum at national level	10	10
3.	Formal Academic Load on Students [Teaching, Laboratory/Practical, Projects(minor/major)]	10	10
4.	Evaluation Process (Continuing Evaluation, and End-Term Evaluation)	10	8
5.	Tour/Training/Industrial visits/Internship opportunities provided during the year	10	8
6.	Effectiveness of Assisted Learning, Tutorial System for ICD Students/ Seminars (Refer Course File)	10	8
7.	Faculty Mentoring/Faculty Advisor System for Students/Class of Students	10	10
8.	Practical activities, non-academic and totally related to a specific trade for skill development and <i>developing expertise in a particular group of techniques.</i>	10	10
9.	Linkage of ICD programs to outcome based vocational education (Industry linkage)	10	10
10.	Availability of workshop type lab/laboratory for providing hand on training to the students for skill development	10	10
Total Score (out of 100)		100	92

[Signature]
12/10/23

[Signature]

[Signature]

[Signature]
13.10.2023

[Signature]
13/10

Academic Audit Proforma of Assessment

A.2	UG Programme	Score	
		Self-assessment	Expert assessment
1.	Curriculum (Structure, Course syllabi, Flexibility, Choice based credit system)	10	10
2.	Status of study material developed by faculty for students	10	10
3.	Relevance of contents of courses taught to the students and scope of improvement (revision of syllabus, addition of new experiments)	10	10
4.	Formal academic load on students [Teaching, Laboratory/Practical, Projects(minor/major)]	10	10
5.	Modern teaching methods in practice other than the conventional methods E-Assisted Learning (i) Availability of Library Resources (ii) Multi-Media Assisted Teaching	10	10
6.	Evaluation Process (Continuing Evaluation, and End-Term Evaluation) (i) Theory and tutorial (ii) Practical (case studies)	10	8
7.	Faculty-Student Interaction (Whether any slot is fixed for the students to interact with a teacher, after classes/labs)	10	10
8.	Tour/Training/Industrial visits/Internship opportunities	10	8
9.	(a) Effectiveness of Assisted Learning in Tutorial classes/seminars for Students	05	4
	(b) Faculty Mentoring/Faculty Advisor System for Students/Class of Students	05	4
10	Placement %age/higher studies options (last three years)	08	8
Total Score (out of 100)		98	92
A.3	PG Programme (Separate for each programme)	Score	
		Self-assessment	Expert assessment
1.	Curriculum (Structure, Course Syllabi, Flexibility)	10	10
2.	Formal Academic Load on Students [Teaching, Laboratory/Practical, Projects(minor/major)]	10	10
3.	Evaluation Process (Continuing Evaluation, and End-Term Evaluation)	10	10
4.	Relevance of contents of courses taught to the students and scope of improvement	10	10
5.	Modern teaching methods in practice other than the conventional method E-Assisted Learning i. Availability of Library Resources and Major Search Engines (like Scopus, Web of Science) ii. Multi-Media Assisted Teaching	10	10

13/10/23
 13-10-2023
 13/10/23

Academic Audit Proforma of Assessment

6.	Technical Societies/ Colloquium for Students i. Departmental Society ii. Student Chapter(s) of Professional Societies	6	6
7.	Tour/Training/Industrial visits/Internship opportunities	10	6
8.	Collaboration with other departments (within institute)	6	6
9.	Faculty Mentoring/Faculty Advisor System for Students/Class of Students	10	10
10.	Monitoring and continuous evaluation of the project work assigned to the students (mechanism)	10	10
Total Score (out of 100)		92	88

A.4	Doctoral (Ph.D.) Programmes	Score	
		Self-assessment	Expert assessment
1.	Intake of Ph.D. Students	4	4
2.	Admission Process	10	10
3.	Pre-Ph.D. Courses and Evaluation Process	10	10
4.	Breadth and Depth of Knowledge of Students	4	4
5.	Seminar/ Presentations and Technical Communication	10	10
6.	Research Facilities available in the Department	10	6
7.	Average No. of Research Students/Faculty	2	2
8.	Average No. of Research Papers of Ph. D. Students (Indexed Journals)	4	4
9.	Average Duration to Complete Ph.D. (years)	4	4
10.	Participation of Research Scholars in Conferences/Workshops	2	2
Total Score (out of 100)		60	56

[Handwritten signature]
13/10/23

[Handwritten signature]

mlave
13.10.2023

[Handwritten signature]
13/10

[Handwritten mark]

B. RESEARCH

B.1	Research and Industrial collaboration	Score	
		Self-assessment	Expert assessment
1.	Research Ambience in the Department	10	5
2.	Research Awareness among Doctoral Students	10	8
3.	Thrust areas of research in the department	10	10
4.	Quality of Research	10	5
5.	Collaborations with other departments (within the institute) and at National, and International levels.	10	4
6.	Impact and Quality of Publications	10	4
7.	Relevance of Research to Knowledge Generation and Social Relevance	10	8
8.	Student Exposure for Attending Quality Conferences/Symposia	10	4
9.	Inter departmental collaborations	10	4
10.	Industry/externally funded sponsored research (Numbers and amount)	10	0
Total Score (out of 100)		100	52

General Comments on,

1. Plan of action of the department for the next five years (in view of NEP 2020)
2. Significant achievements of the department (faculty/Staff/Students)
3. Placement record of the department (Last three years)
4. Scope for training of faculty/staff for further strengthening the teaching-learning process for strengthening the curriculum with the addition of new courses having relevance at National and International levels.
5. Effective/Continuous monitoring of faculty/staff in delivery the course contents (at departmental level) for enhancing the teaching-learning process.
6. Technical Societies/ Colloquium for Students
 - (i) Departmental Society
 - (ii) Student Chapter(s) of Professional Societies
7. Scope of improvement in the presenting teaching –learning process
8. The skill and expertise of the faculty/Technical staff in the department (specific)
9. Strengthening laboratory infrastructure (adding of new equipment's and use of present facility for optimum use)
10. Any other point

[Handwritten signature]
13/10/23

[Handwritten signature]
13.10.2023

[Handwritten signature]
13/10

[Handwritten mark]

C. Departmental Infrastructure

C.1	Departmental resources	Score	
		Self-assessment	Expert assessment
1	Adequacy of Class Rooms and Multi-Media Facility	10	8
2	Availability of Laboratories	10	10
3	Availability of Conference/Seminar Room, etc	10	10
4	Availability of Seating Space for Faculty and Research Students	10	6
5	Availability of Internet Services in Research Labs and Class Rooms	10	8
6	Departmental Library and E-Resources	10	10
7	Computing Facilities and Software	10	8
8	Adequacy of Offices and Furnishing for Faculty	10	8
9	Faculty- Student Ratio	10	4
10	Support Staff (Technical/Administrative) Adequacy	10	5
Total Score (out of 100)		100	77

SWOT analysis by the department :


Strengths: Adequate space except faculty cabins

Weaknesses: More faculty and computing facilities

Opportunities: Increase PG & PhD admissions


Challenges: Remote location

Suggestions for improvement: 1. More computing infrastructure
2. SFR to be improved




 13/10/23

rdave
 13.10.2023



 13/10



D. Outcomes

D.1	Placement/ higher studies/ Publications/ Consultancy, Ph.D. awarded etc.	Score	
		Self-assessment	Expert assessment
1	i. Placements for ICD ii. Placement of B.Tech iii. Placement of Masters Student iv. Placement of Ph. D. Students	10	10
2	Average No. of Ph. Ds Awarded per Year	10	3
3	Publications per Faculty in Indexed Journals/Year (Average of last three years)	10	10
4	Average Citations per Faculty/Year (Last-Three Years) (Web of Science/Scopus)	10	4
5	Recognitions; Awards(National/International) to Faculty/Students	10	0
6	Consultancy and Externally Funded Projects	10	0
7	No. of Ph.D. graduates who took Academics as Career (Last 5 Years)	10	10
8	Students offered for higher studies	10	10
9	No. of qualified students NET/GATE/CAT etc (State/Central Civil Services)	10	4
10	Entrepreneurship	10	2
Total Score (out of 100)		100	53

Comments & Suggestions for Improvement

Attached herewith



 13.10.2023



 13/10/23



SANT LONGOWAL INSTITUTE OF ENGINEERING & TECHNOLOGY
(Deemed-To-Be-University)
LONOGOWAL-148106

ACADEMIC AUDIT (2022 - 2023)

SUMMARY SHEET

1.	Name of the Department	Computer Science and Engineering	
2.	Name of Reviewer Designation & Address	From Academia	From Industry
		Dr. Mayank Dave Professor, NIT Kurukshetra	-
3.	Date of Meeting	13.10.2023	

Score Summary							
Academics (A)				Research (Max Score 100)	Departmental Infrastructure (Max Score 100)	Outcome (Max Score 100)	Total Score (700)
ICD Programme (Max Score 100)	UG Programme (Max Score 100)	PG Programme (Max Score 100) (Average of all PG programs)	Doctoral Programme (Max Score 100)				
(A.1)	(A.2)	(A.3)	(A.4)	(B)	(C)	(D)	(A+B+C+D)
92	92	88	56	52	77	53	510

Note: 1. Marks mentioned above are the average of the marks given by the experts.

2. If marks have not been allotted for some attributes by the experts, total score can be scaled to maximum marks.

Name & Signature of HOD