

HALDIA INSTITUTE OF TECHNOLOGY

INTERNAL QUALITY ASSURANCE CELL

Academic Audit 2021-2022

Evaluation Sheet

Department Name:

Department of Biotechnology

Programme Name:

B.Tech

Academic Year:

2021-2022

I. PEO's, PO's and Curriculum		
SI No	Criterion	Observations
1	PEO's and PO's attainment	It is reflected in institute website
2	Revision in curriculum and validation date (provide details)	Autonomy syllabus is developed and implemented
3	Extent of its satisfaction with curriculum revision	Satisfactory

II. Faculty information and their contribution		
SI No	Criterion	Observations
1	Teacher-Student ratio	1:18
2	Faculty Cadre ratio	1:4:6
3	Faculty qualifications	PhD:8 M.Tech:3
4	Average experience of faculty	11 Years
5	Faculty contribution in writing Books Chapters	2 15
6	Members in Editorial boards	2
7	Faculty in professional organizations	All faculties are involved in professional organizations like; National Science congress, chemical societies, IICHE, IACR, SBC
8	Awards/ Rewards received	1
9	Industry collaborative projects	NABL has been suggested
10	Faculty as resource persons in workshops/ training	4

	activities	
11	National level events organized Conference Workshops/Seminars- FDPs International level events organized Conferences- Workshops Seminars	5 1
12	Number of conferences /seminars workshops/ FDP's any exclusive programs attended for enrichment of teaching learning process	35

III. Teaching-Learning Process and Evaluation		
Sl No	Criterion	Observations
1	Mechanism and activities for slow learners for their improvement outcomes	Extra class one to one has been taken in every week and all problems have been solved effectively
2	Student counselling mentoring mechanism	Mentors are connected through HOD, students, faculties (Department as well as non department), parents and alumni through a network. There is a schedule one class per week
3	Tutorial classes	One class per week
4	Monitoring of teaching- leaning process E-learning models: Assessment of teaching process in classrooms Innovative teaching process in presented if any Verification of course files:	Satisfactory
5	Training programs conducted for students	Yes
6	Students feedback & steps taken	Feedback are taken at the end of every semester and necessary measures are taken
7	Scope for Self-learning Certified course Online	Swayam, NPTEL, Coursera etc.

	courses	
8	Results Analysis	Outstanding performance
9	Parents meeting on evaluations of student's progress	Yes
10	Student involvements in extra Curricular & Co-curricular activities:	Awesome performance

IV. Research, Consultancy and Extension

Sl No.	Criterion	Observations
1	Faculty publications in journals National- International-	7
2	Publications in conference National- International-	7
3	PhDs- Registered Awarded Pursuing	1 - 12
4	Funded R & D projects Applied Sanctioned Ongoing Completed	4 1 1 1
5	Patent applied Patent awarded	-
6	In-house R & D grants & projects	-
7	New research facilities/ laboratory facilities provided	Good
8	MOU's with industries/ R & D/ Premier institutes	3
9	Research centers of excellence established	Research is ongoing with the fund received from DBT, SERB, AICTE MODROB, MSME etc.

V. Infrastructure and Learning Resources		
Sl No	Criterion	Observations
1	Adequacy of infrastructural facilities to improve the teaching learning process Class rooms: Laboratories: ICT/e-class rooms: Seminar halls:	Sufficient class room Well organized laboratories One class has been ICT enabled. But, other classes should be ICT mode Department needs one dedicated seminar hall for presentation purpose
2	Internet facilities for faculty & students	Available
3	Modern/ new equipment added in laboratories	Yes
4	Details of computing facilities and improvement	Computer lab with Computers equipped with modern configurations. Some up-gradation has been suggested
5	Department level library resources	Existing

VI. Student information, Support and Progression		
Sl. No.	Criterion	Observations
1	Departmental student Publication	Technical and non-technical magazine like Biozone, Wall magazine etc
2	Details of coaching provided for GATE/ GRE/ any other competitive exams for higher studies	Some special classes for inspiring and grooming that are relevant to the competitive exams like GATE, GRE, MAT, CAT have been organized
3	Industrial visits and academic visits	Academic visits: for students project purposes

VII. SWOC Analysis of the Department		
Sl. No.	Criterion	Observations
1	Strength:	Highly qualified and motivated teachers Strong research environment Outcome based teaching learning methodology
2	Weakness:	Lack of consultancy
3	Opportunities	Encouraging faculty for post doctoral research
4	Best practice/ Innovative:	Commencement of national level seminar series National / International Webinar Technical Quiz
5	Future plans:	To be the center of excellence

Academic Audit Report 2021-22

1. Name of Department: **Department of Biotechnology**
2. No of full time permanent faculty: 11
3. No of part time Visiting temporary contractual faculty: -
4. No of PG/UG courses: UG-1/PG-1
5. Curriculum Revisions during the year: Yes
6. Research: Publications in journals: International- National-, International-7
7. PhD Awarded:
8. Faculty guiding Ph.D: 4
9. Number of Conferences/Lectures Organized: 6
10. Ongoing Sponsored projects & amount: 1 (7.12 Lakh)
11. No of Faculty using: ICT & PPT All
12. New Equipment and Infrastructure added: Yes
13. Student feedback on Curriculum (Yes/ No): Yes
14. Strengths:
 - (a) Good Placements
 - (b) Research and teaching learning environment are excellent
 - (c) Qualified and experienced faculty
15. Weaknesses:

(a) Faculty incentive system should be setup

16. Suggestions for improvement

(a) Consultancy should be practiced

Departmental Coordinator:

Dr. Keya Sau

Academic Auditors:

Prof. T. K. Jana

S. Gupta

HOD

Prof. & Head
Dept. of Biotechnology
Haldia Institute of Technology



T. K. Jana

IQAC Coordinator
Coordinator - IQAC
Haldia Institute of Technology

Radha Das

Dean

Prof. Radha Das

Dean

School of Chemical, Food & Biotechnology
Haldia Institute of Technology

Principal

Principal

Principal
Haldia Institute of Technology