

Academic Audit 2021-2022**Evaluation Sheet**Department Name: **Department of Biotechnology**Programme Name: **B.Tech**Academic Year: **2021-2022**

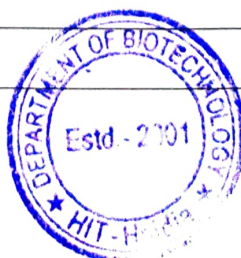
Date: 03/10/2022

I. PEO's, PO's and Curriculum

Sl 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

Sl 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	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 activities	4
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 courses	Swayam, NPTEL, Coursera etc.
8	Results Analysis	Outstanding performance



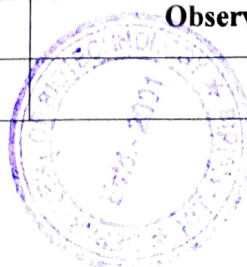
9	Parents meeting on evaluations of student's progress	Yes
10	Student involvements in extra Curricular & Co-curricular activities:	Awesome performance

IV. Research, Consultancy and Extension

SI No.	Criterion	Observations
1	Faculty publications in journals National- International-	7
2	Publications in conference National- International-	7
3	PhDs- Registered Awarded Pursuing	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

SI No	Criterion	Observations
1	Adequacy of infrastructural facilities to	



	<p>improve the teaching learning process</p> <p>Class rooms:</p> <p>Laboratories:</p> <p>ICT/e-class rooms:</p> <p>Seminar halls:</p>	<p>Sufficient class room</p> <p>Well organized laboratories</p> <p>One class has been ICT enabled. But, other classes should be ICT mode</p> <p>Department needs one dedicated seminar hall for presentation purpose</p>
2	Internet facilities for faculty & students	Available
3	Modern/ new equipment added in laboratories	Yes
4	Details of computing facilities and improvement	<p>Computer lab with Computers equipped with modern configurations.</p> <p>Some up-gradation has been suggested</p>
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
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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


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| 1. | Name of Department: | Department of Biotechnology |
| 2. | No of full time permanent faculty: | 11 |
| 3. | No of part time Visiting temporary contractual faculty: | Nil |
| 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 |
| 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

Internal Academic Auditor:


Principal
(Haldia Institute of Technology)


Dean *Prof. Radha Das*
(Department of CHE, BT & FT)
Dean
School of Chemical, Food & Biotechnology
Haldia Institute of Technology


HOD
(Department of Biotechnology)
Head
Dept. of Biotechnology
Haldia Institute of Technology

External Academic Auditor:

Jaya Bandyopadhyay

External Academic Auditor 1: *Jaya Bandyopadhyay*



Professor
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Indian Association of Blood
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President

External Academic Auditor 2: