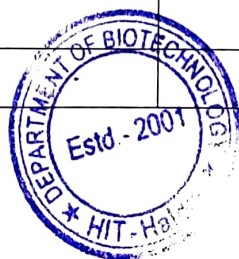


**Academic Audit 2022-2023****Evaluation Sheet**Department Name: **Department of Biotechnology**Programme Name: **B. Tech**Academic Year: **2022-2023**

Date: 06/11/2023

<b>I. PEO's, PO's and Curriculum</b>		
<b>SI No</b>	<b>Criterion</b>	<b>Observations</b>
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

<b>II. Faculty information and their contribution</b>		
<b>SI No</b>	<b>Criterion</b>	<b>Observations</b>
1	Teacher-Student ratio	1:18
2	Faculty Cadre ratio	1:4:6
3	Faculty qualifications	PhD:9 M. Tech:2
4	Average experience of faculty	13 Years
5	Faculty contribution in writing Books Chapters	9
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	2
9	Industry collaborative projects	NABL has been suggested
10	Faculty as resource persons in workshops/ training activities	6
11	National level events organized	



	Conference	-
	Workshops/Seminars-	3
	FDPs	1
	International level events organized	
	Conferences-	-
	Workshops Seminars	-
12	Number of conferences /seminars workshops/ FDP's any exclusive programs attended for enrichment of teaching learning process	49

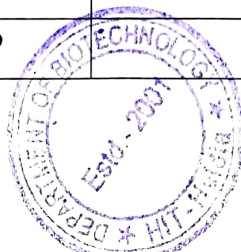
<b>III. Teaching-Learning Process and Evaluation</b>		
<b>Sl No</b>	<b>Criterion</b>	<b>Observations</b>
1	Mechanism and activities for slow learners for their improvement outcomes	Extra class one to one has been taken in every week and all problems have been solved effectively
2	Student counselling 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 is 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-	10
2	Publications in conference National- International-	Nil
3	PhDs- Registered Awarded Pursuing	- 1 6
4	Funded R & D projects Applied Sanctioned Ongoing Completed	9 - 1 1
5	Patent applied Patent awarded	1
6	In-house R & D grants & projects	2
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	



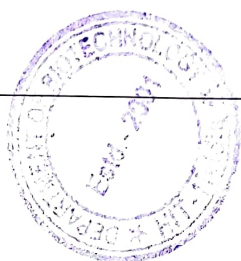
	improve the teaching learning process Class rooms: Laboratories: ICT/e-class rooms: Seminar halls:	Sufficient class room Well organized laboratories One class has been ICT enabled. But, other classes should be ICT mode Department needs one dedicated seminar hall for presentation purpose
2	Internet facilities 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 visit in Indorama India Private Limited

#### 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

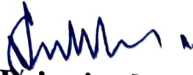
## Academic Audit Report 2022-23


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- International-10
7. PhD Awarded: 1
8. Faculty guiding Ph.D: 6
9. Number of Conferences/Lectures Organized: 2 Seminar, 1 Workshop, 4  
Lecture
10. Ongoing Sponsored projects & amount: 1, 15 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) As NABL accreditation is required, the department faces limitations in providing consultancy services.
16. Suggestions for improvement



(a) More consultancy should be practiced

**Internal Academic Auditor:**

  
**Principal**  
(Haldia Institute of Technology)  
**Principal**  
(Haldia Institute of Technology)

  
**Dean**  
(Department of CHE, BT & FT)

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

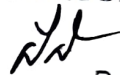
**Head**  
Dept. of Biotechnology  
Haldia Institute of Technology

**External Academic Auditor:**

*Jaya Bandyopadhyay*

  
**External Academic Auditor 1:**  
**Prof. (Dr.) Jaya Bandyopadhyay**  
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Maulana Abul Kalam Azad University of Technology, W.B.  
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Indian Association of Blood  
Cancer and Allied Diseases

  
**President**

**External Academic Auditor 2:**