

Academic Audit 2020-2021**Evaluation Sheet**Department Name: **Department of Biotechnology**

Programme Name: B.Tech

Academic Year: **2020-2021**

Date: 14.09.2021

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

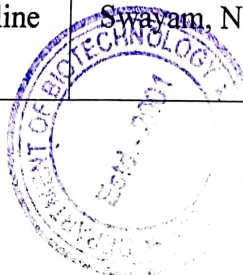
II. Faculty information and their contribution		
SI No	Criterion	Observations
1	Teacher-Student ratio	1:18
2	Faculty Cadre ratio	2:4:5
3	Faculty qualifications	PhD:9 M.Tech:2
4	Average experience of faculty	12 Years
5	Faculty contribution in writing Books Chapters	4
6	Members in Editorial boards	2
7	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	1
11	National level events organized	



	Conference Workshops/Seminars- FDPs International level events organized Conferences- Workshops Seminars	2 [Virtual Mode]
12	Number of conferences /seminars workshops/ FDP's any exclusive programs attended for enrichment of teaching learning process	36 [Virtual Mode]

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 and executed on virtual mode
2	Student counselling mentoring mechanism	Mentors are connected through HOD, students, faculties (Department as well as non department), parents and alumni through a network.
3	Tutorial classes	On need basis
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	Put on hold due to emerging COVID situation
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	Satisfactory
9	Parents meeting on evaluations of student's progress	Yes [Virtual Mode]
10	Student involvements in extra Curricular & Co-curricular activities:	Some activities which were home bound were taken up by students due to the emerging COVID situation

IV. Research, Consultancy and Extension

Sl No.	Criterion	Observations
1	Faculty publications in journals National- International-	1 6
2	Publications in conference National- International-	7
3	PhDs- Registered Awarded Pursuing	1 1 6
4	Funded R & D projects Applied Sanctioned Ongoing Completed	1 1 1
5	Patent applied Patent awarded	-
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	-
9	Research centers of excellence established	Research is ongoing with the fund received from DBT, SERB, AICTE MODROB 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	Not applicable due to COVID pandemic



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

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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: No
6. Research: Publications in journals: International-6
National-1, International-
7. PhD Awarded: 1
8. Faculty guiding Ph.D: 3
9. Number of Conferences/Lectures Organized: 2
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
(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


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Indian Association of Blood
Cancer and Allied Diseases


President

External Academic Auditor 2: