

**HALDIA INSTITUTE OF TECHNOLOGY**  
**INTERNAL QUALITY ASSURANCE CELL**  
**ACADEMIC AUDIT**  
**Evaluation Sheet**  
**Assessment Year: 2021-22**  
**COMPUTER SCIENCE AND ENGINEERING**

Name of the Program:

<b>1. PEO's, PO's and Curriculum</b>			
<b>Sr. No</b>	<b>Criterion</b>		<b>Observations</b>
1.	PO's	Attainment	<b>Improvement of Attainment</b>
	PO1	<b>2.56</b>	.03
	PO2	<b>2.65</b>	.13
	PO3	<b>2.57</b>	.10
	PO4	<b>2.57</b>	.13
	PO5	<b>2.57</b>	.31
	PO6	<b>2.39</b>	.30
	PO7	<b>2.16</b>	.10
	PO8	<b>2.15</b>	.22
	PO9	<b>2.30</b>	.29
	PO10	<b>2.15</b>	.11
	PO11	<b>2.34</b>	.27
PO12	<b>2.42</b>	.02	
	PSO's attainment	Attainment	Observation ( <b>Improvement of Attainment</b> )
	PSO1	<b>2.66</b>	.21
	PSO2	<b>2.52</b>	.11
	PSO3	<b>2.47</b>	.07
2.	Revision of curriculum if any (Provide Details)		Syllabus Revised by institute achieving autonomy (Please refer to the revised syllabus attached)
3	Extent of its satisfaction with Curriculum Revision		100%

**2. A. List of the Faculty Members**

<b>S.No.</b>	<b>Name of the Staff</b>	<b>Designation</b>	<b>Qualification</b>	<b>Date of Joining</b>	<b>Teaching Experience in Years</b>
1	Prof.(Dr) SubhankarJoardar,	Professor & Head	M.Tech., Ph.D	02/11/2009	20
2	Prof.(Dr)PinakiPratimAcharjya	Professor	M.Tech., Ph.D.	10/12/2019	12.4
3	Prof(Dr.)SantanuKoley	Professor	M.Tech., Ph.D.	26/12/2019	15

4	Dr. BideshChakraborty	Associate Professor	M.Tech., Ph.D.	26/02/2010	13.5
5	Dr. Soumitra Roy	Associate Professor	M.Tech., Ph.D.	27/01/2020	11.6
6	Sri Subhabrata Barman	Assistant Professor	M.Sc., M.Tech.	04/03/2005	17
7	Sri Palash Roy	Assistant Professor	ME [CSE]	18/07/2006	16
8	Ms. MahuyaSasmal	Assistant Professor	M.E.	02/02/2007	15.5
9	Ms. PatraliPradhan	Assistant Professor	M.Tech.	28/08/2007	14.6
10	Dr.ArindamGiri	Assistant Professor	M.Tech., PhD	26/11/2007	13.9
11	Dr. SabyasachiPramanik	Assistant Professor	M.Tech, PhD	13/06/2008	14
12	Ms. JayeetaMajumder	Assistant Professor	M.Tech, (Ph.Dpersuing)	01/02/2009	12.7
13	Sri SumantaKuila	Assistant Professor	ME, (Ph.Dpersuing)	29/06/2009	14
14	Mrs. SanchitaSaha	Assistant Professor	M.Tech.	09/06/2009	12.1
15	Dr.MrinmoySen	Assistant Professor	M.Tech, PhD	01/07/2010	13
16	Ms. Sunanda Jana	Assistant Professor	M.Tech.	04/07/2011	11.6
17	Ms. RajrupaMetia	Assistant Professor	M.Tech.	03/03/2014	7.5
18	Mrs. ArpitaMazumdar	Assistant Professor	MCA, M.Tech	1/12/2017	15
19	Mrs. AnganaChakraborty	Assistant Professor	M.Tech.	16/08/2018	4.3
20	Mr. Rajesh Mukherjee	Assistant Professor	M.Tech.	15/10/2019	13
21	Mr.SouravDey	Assistant Professor	M.Tech	12/10/2020	1
22	Ms.Sikha Das	Assistant Professor	M.Tech	01/12//2021	0
23	Mr.RajatCharkaborty	Assistant Professor	M.E.	03/12/2021	0
24	Mr.Biplab Das	Assistant Professor	M.Tech	03/12/2021	0
25	Mrs.JheelamMondal	Assistant Professor	M.Tech	05/12/2021	01
26	Mr.UddalokChatterjee	Assistant Professor	M.Tech	05/12/2021	10
27	Mr.SunenChakraborty	Assistant Professor	M.Tech	05/12/2021	0
28	Mr. ShaonBandopadhyay	Assistant Professor	M.Tech.	05/04/2021	5.6

<b>2.B. Faculty Information and their Contribution</b>		
<b>Sr. No</b>	<b>Criterion</b>	<b>Observations</b>
1.	Teacher Students Ratio	<b>24</b>
2.	Average experience of the faculty	13.3 Yrs.
3.	Faculty Contribution a) Book Publication b) Book Chapter c) Workshop/FDP/STP attended for enriching teaching learning process	a) 2 b) 14 c) 88
4.	Members in Editorial Board	3
5.	Membership in Professional Organisation	8

6.	Awards/ Rewards Received	2
7.	Faculty as resource person in workshop/ training activities	4
8.	Industrial Collaborative projects	
9.	National Level Event Organised a) Conference b) Seminar/ workshop c) FDP	a) 1 b) 4 c) 1
10.	International Level Event Organised	
11.	Departmental Level Committee (Details)	<p><b>Lab-In-Charge for Various Labs</b></p> <ul style="list-style-type: none"> <li>• Dr. Sabyasachi Pramanik - Software lab.</li> <li>• Mrs. Rajesh Mukherjee - Network lab</li> <li>• Mrs. Patrali Pradhan - OS lab.</li> <li>• Mrs. Mahua Sasmal Roy - Microprocessor lab.</li> <li>• Dr. Mrinmay Sen - CCF lab.</li> <li>• Mrs. Sunanda Jana - Project lab.</li> <li>• Mr. Shubhabrata Barman - Advance Project lab (M.Tech).</li> </ul> <p><b>In-Charge of Departmental Library</b></p> <ul style="list-style-type: none"> <li>• Dr. Arindam Giri</li> </ul> <p><b>New Syllabus Committee Of B.Tech. And M.Tech Based On The Course Design</b></p> <ul style="list-style-type: none"> <li>• Dr. S. Joardar</li> <li>• Mr. S. Barman</li> <li>• Mr. P. Ray</li> <li>• Mrs. A. Mazumdar.</li> <li>• Dr S. Koley</li> <li>• Dr. B. Chakraborty</li> <li>• Dr. S. Roy</li> <li>• Mrs. M. Sasmal</li> <li>• Mrs. P. Pradhan</li> <li>• Dr. A. Giri</li> <li>• Dr. S. Pramanik</li> <li>• Mrs. J. Mazumdar</li> <li>• Mr. S. Kuila</li> <li>• Mrs. S. Saha</li> <li>• Dr. M. Sen</li> <li>• Mrs. S. Jana</li> <li>• Mrs. R. Metia</li> <li>• Mrs. A. Chakraborty</li> <li>• Mr. R. Mukherjee</li> </ul> <p><b>Committee Formed to Reform Model Curricular Send By AICTE</b></p> <ul style="list-style-type: none"> <li>• Dr. S. Joardar</li> <li>• Mr. S. Barman</li> <li>• Mr. P. Ray</li> <li>• Mrs. A. Mazumdar.</li> <li>• Dr S. Koley</li> </ul>

- Dr. B. Chakraborty
- Dr. S. Roy
- Mrs. M. Sasmal
- Mrs. P. Pradhan
- Dr. A. Giri
- Dr. S. Pramanik
- Mrs. J. Mazumdar
- Mr. S. Kuila
- Mrs. S. Saha
- Dr. M. Sen
- Mrs. S. Jana
- Mrs. R. Metia
- Mrs. A. Chakraborty
- Mr. R. Mukherjee

**Departmental Core Committee**

- Dr. M. Sen (Convener)
- Dr. S. Joardar
- Mr. P. Roy
- Mr. S. Barman
- Dr. S. Koley

**Departmental Academic Committee:**

- Chairman: Dr. Subhankar Joardar (HoD, CSE)
- Faculty Members:
  - Dr. Santanu Koley, Professor, CSE
  - Mr. Subhabrata Barman, Assistant Professor, CSE
  - Mr. Palash Roy, Assistant Professor, CSE
  - Mrs. Mahua Sasmal, Assistant Professor, CSE
  - Dr. Arindam Giri, Assistant Professor, CSE
  - Dr. Sabyasachi Paramanik, Assistant Professor, CSE
  - Mrs. Patrali Pradhan, Assistant Professor, CSE
  - Mrs. Jayeeta Majumdar, Assistant Professor, CSE
  - Mr. Sumanta Kuila, Assistant Professor, CSE
  - Mrs. Sanchita Saha, Assistant Professor, CSE
  - Dr. Mrinmoy Sen, Assistant Professor, CSE
  - Mrs. Sunanda Jana, Assistant Professor, CSE
  - Mrs. Rajrupa Metia, Assistant Professor, CSE

**Dept Routine Committee:**

- Mrs. Mahua Sasmal Roy and Jayeeta Majumder (2021)
- Mrs. Mahua Sasmal Roy and Mr. Arindam Giri (2020)

**TnpDept Representative**

- Dr. Bidesh Chakraborty and Mrs. Sanchita Saha (2019-2021)
- Dr. Mrinmoy Sen and Mrs. Jayeeta Majumdar for the batch 2023 and onwards.

**Final Year Project and Seminar Coordinator**

- Mrs. Rajrupa Metia (2021-22)

**Cultural Coordinator (Wall Magazine, Printed Magazine, Photography Club)**

- Mrs. Sanchita Saha (2016- till date)

12.	Committee members in Institution Level (Details)	<p><b>Dr. Subhankar Joarder</b></p> <ul style="list-style-type: none"> <li>Exam committee (2018- till date)</li> </ul> <p><b>Dr. Santanu Koley</b></p> <ul style="list-style-type: none"> <li>Publication Committee (2020-till date)</li> </ul> <p><b>Dr. Mrinmoy Sen</b></p> <ul style="list-style-type: none"> <li>Departmental faculty representative of T&amp;P</li> <li>Hostel administration committee</li> </ul> <p><b>Mrs. Jayeeta Majumder:</b></p> <ul style="list-style-type: none"> <li>Hostel Administration committee (2012 - till date)</li> <li>Anti-Ragging Committee (2012- till date)</li> </ul> <p><b>Mr. Palash Roy</b></p> <ul style="list-style-type: none"> <li>Alumni committee (2012- till date)</li> </ul> <p><b>Ms. Arpita Mazumdar</b></p> <ul style="list-style-type: none"> <li>Alumni Committee (2014 - till date)</li> <li>Exam committee (2018 -till date)</li> </ul> <p><b>Mrs. Sanchita Saha</b></p> <ul style="list-style-type: none"> <li>Student Welfare Committee (2013-till date)</li> <li>Alumni Committee (2014 - till date)</li> <li>Publication Core committee (2019- till date)</li> <li>Internal Complaint Committee (2018- till date)</li> <li>ICARE Cultural Committee (2018- till date)</li> </ul> <p><b>Mr. Subhabrata Barman</b></p> <ul style="list-style-type: none"> <li>IQAC member</li> </ul> <p><b>Dr. Arindam Giri</b></p> <ul style="list-style-type: none"> <li>Central Routine Committee</li> </ul> <p><b>Dr. Sabyasachi Pramanik</b></p> <ul style="list-style-type: none"> <li>Central Sports committee</li> </ul>
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<b>3. Teaching-Learning Process and Evaluation</b>		
Sl. No	Criterion	Observations
1.	<ul style="list-style-type: none"> <li>Mechanism and activities for slow learners for their improvement and outcomes</li> </ul>	<ul style="list-style-type: none"> <li>Special classes are conducted for those who got marks less than 50% in the 1st internal exams</li> </ul>
2.	<ul style="list-style-type: none"> <li>Student counselling / mentoring mechanism</li> </ul>	<ul style="list-style-type: none"> <li>Each faculty is allocated a group of students from each year and faculty mentors guide them for improvement</li> </ul>
3.	<ul style="list-style-type: none"> <li>Tutorial classes</li> </ul>	<ul style="list-style-type: none"> <li>Tutorial classes are conducted for some subjects</li> </ul>
4.	<ul style="list-style-type: none"> <li>Study Material Provided :</li> </ul>	<ul style="list-style-type: none"> <li>All the faculties uploaded their study material in the college website and student can easily download the material</li> <li><a href="https://hithaldia.ac.in/cse-departmental-repository/">https://hithaldia.ac.in/cse-departmental-repository/</a></li> </ul>

5.	<ul style="list-style-type: none"> <li>• Monitoring of teaching-learning process</li> <li>• -Assessment of teaching process in classroom.</li> <li>• -Innovative teaching methods presented if any</li> <li>• -Verification of course files</li> </ul>	<ul style="list-style-type: none"> <li>• →Faculty mentors take feedback of students during student interaction</li> <li>• →Committee meetings are held. In addition to chalk and talk video presentation methods are adopted</li> <li>• →Course files are verified randomly by HoD</li> <li>•</li> </ul>
6.	<ul style="list-style-type: none"> <li>• Best Practices</li> </ul>	<ul style="list-style-type: none"> <li>• Title of the Practice:</li> <li>• Encouraging teachers to conduct research in order to advance technological development</li> <li>•</li> <li>• Objectives of the Practice</li> <li>• To enhance the effectiveness of the teaching-learning process</li> <li>• To enhance quality in UG and PG projects</li> <li>• To publish papers in refereed International/ National journals and conferences</li> <li>• To undertake collaborative projects and consultancy for long term interaction with the academia and industry</li> <li>• To obtain IPRs (Patents)</li> <li>• To obtain research projects from several funding agencies</li> <li>•</li> <li>• The Context</li> <li>•</li> <li>• The pursuit of knowledge through research is an ongoing process that can advance civilization. The world of today is evolving quickly, creating opportunity and room for new research projects to improve living. It has become crucial to keep up with the increasing demands and needs. Continuous research and development of new products and projects has become essential in order to meet these needs. This inspired the college to strengthen its R&amp;D programme, which emphasises multidisciplinary research and focuses on numerous independent disciplines. Teaching and Research must go together. With this aim, research is promoted by the college in the following ways and means:</li> <li>•</li> <li>• Providing opportunity to work at higher learning institutions like IITs /NITs</li> <li>• Organizing and sponsoring for seminars/conference/workshops/Orientation courses /refresher courses like STTPs, FDPs, SDPs, etc. by paying registration fee, TA/DA with paid leave</li> <li>• Financial incentives like paying registration fee for publications in</li> </ul>

		<p>journals and conferences and TA/DA for presentation of technical papers in various International/National conferences</p> <ul style="list-style-type: none"> <li>• Modernization of laboratories with research facilities</li> <li>• Exposure to international expertise by organizing invited lectures, workshops, seminars and conferences, etc.</li> <li>• Research seed grant of Rs.10,000/- per faculty</li> <li>• Providing high end computing facilities, with internet, Wi-Fi, and other facilities.</li> <li>• The supporting staff is also encouraged to upgrade their skills by being deputed to relevant authorized /recognized training centers in their respective trades/fields.</li> <li>•</li> </ul>
7.	Training programs conducted for students / Guest lecturers / Seminars / workshop:	<p>→ Training programs conducted for students through summer internships</p> <p>→ Guest lecturers / Seminars / workshop conducted by Computer Society of India Students' Branch. Please see Annexure.</p>
8.	Student feedback	Please see Annexure; Feedback 2022
9.	Scope for Self-learning Certified Online courses	Available. MOOCs (Coursera, NPTEL) for enhancing skills
10.	Results Analysis: (Semester / year wise	Awaited
11.	Placements (with details):	141 (Please see Annexure)
12.	Higher studies (with details):	03 (Please see Annexure)
13.	List of student professional bodies:	Computer Society of India HIT Students' Branch
14.	Students Publication International Journal National Journal Conferences	2(J) (Please see Annexure)

<b>4. Research</b>		
<b>Sl. No.</b>	<b>Criterion</b>	<b>Observations</b>
1	Faculty publications in journals: National – International -	13
2	Publication in conferences: National- International-	16
3	PhDs – Registered : Awarded : Pursuing :	6 2 6
4	Funded R&D Projects :	

	Applied: Sanctioned : Ongoing: Completed:	4
5	Patents applied : Patents awarded:	4 4
6	In-house R&D grants & Projects :	NA
7	New research facilities/ laboratory facilities provided :	NA

5. Infrastructure and Learning Resources		
Sl. No.	Criterion	Observations
1	Adequacy of Infrastructure facilities to improve the teaching learning process  Class Rooms : Laboratories : ICT class rooms / e-class rooms : 01 Seminar Halls :	06 08 01 00
2	Internet facilities for faculty & Students :	Internet speed of 1 Gbps is provided for faculty & students
3	Modern / new equipment added in laboratories	Seqrite EPS 7.4 Antivirus 125 users
4	Details of computing facilities and improvement	Software Lab.: 74 PCs, 2 printers, 1 scanner, 2 switches, central UPS of 80 KVA Network Lab.: 38 PCs, 1 switch, central UPS of 80 KVA OS Lab.: 39 PCs, 1 server, 2 switches, central UPS of 80 KVA Project Lab.: 38 PCs, 38 UPS, 3 switches Advanced Project Lab: 12 PCs CCF LAB.: 121 PCs, 2 servers, 4 switches, 2 printers, Office XP 34 users, 1 40KVA UPS, ORACLE 11G 30 users, Windows 10 Professional: 125 no.s, Rational Rose 16 users, Licensed OS purchased: Kaspersky Endpoint Security 10.0: 1000 users Microprocessor Lab.: ALS -SDA-85 ME 8085 MP trainer KIT: 22no.s, power supply for SDA 85 ME 22 nos.

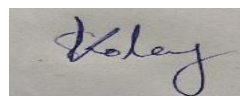


5	Department level library resources :	Books: 1862 Journals: 74 Magazines: 149 Printer: 01 Scanner: 01 Projects (B.Tech):37 Dissertations (M.Tech):05 Software: 32
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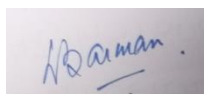
6. Student information, Support and Progression		
Sr. No	Criterion	Observations
1.	Departmental student club	Nil
2.	Industrial visit and internship	01 All final year students done Summer Training.
3	Coaching for skill development	Nil



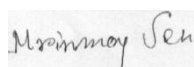
Dr. Subhankar Joardar  
Professor & Head  
Dept of Computer Science Engineering  
Haldia Institute of Technology



Dr. Santanu Koley  
Professor



Mr. Subhabrata Barman  
Assistant Professor



Dr. Mrinmoy Sen  
Assistant Professor