



ECE/2023-24/ODD/IQAC/01

19-Dec-2023

To,
The Director
IIMT College of Engineering
Greater Noida

Respected Sir,

Department of Electronics and Communication Engineering has constituted committee for Academic Audit for the session 2022 - 23. The committee will follow guidelines and major the performance.

Following will be the members

S. No.	Name	Designation	Responsibility
1.	Dr. Seema Nayak	HOD-ECE, IIMT College of Engineering, Greater Noida	Chairman
2.	Dr. Pankaj Jha	Department NBA/ NAAC Coordinator	Member
3.	Prof. (Dr) M. K. Soni	Pro Chancellor, Lingaya's Vidyapeeth, Faridabad	External Member
4.	Dr. Prabhat	HOD-CSE, IIMT College of Engineering, Greater Noida	Member

Kindly approve the same

Thanking You

Prof. (Dr.) Seema Nayak
H.O.D - ECE

ACADEMIC AUDIT REPORT
2022-23
(EXTERNAL)

This is to certify that an Academic Audit for Department of **Electronics and Communication Engineering** of IIMT College of Engineering, Greater Noida has been conducted in 2022-2023 to assess the performance of academic activity of the Department.

Place: Department of Electronics and Communication Engineering
IIMT College of Engineering
Greater Noida

Date:

Convenor

[Signature]
22.01.24

HOD - ECE
IIMT COLLEGE OF ENGINEERING
GREATER NOIDA

External Member

[Signature]
22.01.24

Members

[Signature]
DEEPAK SAHU

[Signature]
22/01-24
Dr. Prabhat
HOD (AI&DS)

**ACADEMIC AUDIT REPORT
(EXTERNAL)
2022-23**

Part A

Basic Information of the Department

- 1) Name of the Department: Electronics & Communication Engineering
- 2) Year of Establishment: 2005
- 3) Programs currently being run with Intake and enrolment for each:

Name of Programme	Duration	(CAY) (2022-23)		(CAY-1) (2021-22)		(CAY-2) (2020-21)	
		Intake	Present Enrolment	Intake	Present Enrolment	Intake	Present Enrolment
B. Tech	4 Years	60	54	120	43	120	38

CAY: Current Academic Year

For total Number of student intake and enrolment, the number of Academic Years to be accounted should be equal to the duration of Programs.

- 4) No. of Batches produced for different programs:

Name of the Programme	Year of Start	No. of Batches Produced
UG - B. Tech (ECE)	2005	15

- 5) Full-Time Faculty:

a) Cadre wise:

Professor		Associate Professor		Assistant Professor		Total	
Male	Female	Male	Female	Male	Female	Male	Female
2	1	1	1	6	5	9	7

b) Qualification wise:

Ph.D		Ph.D Pursuing		PG with NET/M.Phil		PG		Others		Total	
Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
3	2	3	4	1	-	2	1	-	-	9	7

Note: To be filled only under the column with highest qualification possessed.

6) Total Non-teaching Staff

- Administrative Staff: 1
- Technical Supporting Staff: 4



PART-B

(AY 2022-23)
(July 2022 to June 2023)

Audit Parameters

Rating Assessment

(Out of 5) Total: - 200 157/200

1. Student-Faculty Ratio

5

a) With respect to total students enrolled: (16/115)

B. Tech: - 1:7.18

b) With respect to total students' intake: 16/360

B. Tech. 1:22.5

2. % of Faculty with Ph.D. and Professional Qualifications:

3

With Ph. D: 31.25% (5/16)*100

With Professional qualification: 100%

3. Faculty Cadre Ratio:

4

Professors: Associate Professors: Assistant Professors

3:2:11

4. Ph.Ds Produced per faculty: 0

0

a) No. of Ph.D awarded under supervision of faculty members of the department / No. of faculty members in the department: 0

b) No. of Ph.D awarded under supervision of faculty members of the department / No. of faculty members eligible as Ph.D supervisor in the department: 0

5. Publications per Faculty: (34/16)*100= 2.125

4

a) No. of Research Paper published in International Journal: 14

b) No. of Research Paper published in National Journal: 05

- c) No. of Research Paper published in Proceedings of International Conference: 12
d) No. of Research Paper published in Proceedings of National Conference: 3
Total No. of Research Papers published (a+b+c+d): 34

6. Total citations of Publications: - 145

2

7. Number of Research Papers with more than 10 Citations: -05

2

8. Funded Research Projects in Operation: -02

2

9. No. of Patents Generated

3

a) No. of Patents filed: 05

b) No. of Patents Granted/Published: 00

10. Consultancy Projects(till date)

4

a) No. of consultancy projects completed: 01

b) No. of consultancy projects undergoing: 01

11. Total consultancy revenue generated: 165000/-

Consultancy Revenue Generated per Faculty: $165000/16 = 10312.5/-$

4

12. No of external academic engagement of Faculty (as resource persons, editors etc): - 01

2

13. Average Guest/Visiting Faculty Lectures per Course: 06

3

No. of Guest/ Expert lectures organized: 06

No. of visiting faculty engaged: 00

14. Average No. of FDPs attended per Faculty: $30/16 = 1.875$

5

Total No. of FDPs attended by faculty: 30

No. of FDPs of five days or more duration attended by faculty: 30

No. of FDPs of two days or less than 5 days attended by faculty: 0

15. Total Seminars, Conferences, FDP and Workshops Organized : - 04

5

No. of International Conferences organized: 01

No. of National Conferences organized: 00

No. of Workshops organized: 03

No. of FDPs of more than a week duration organized: 00

16. No. of MOUs with International Bodies: 00

0

17. No. of MOUs with the National Knowledge Partners: 03

4

18. Quality of Curriculum Content and Delivery

5

Whether PEOs, POs, COs and their mapping are well stated and defined: Yes

Whether Lesson Plans, Assignments etc. are well mapped with COs: Yes

19. % of Courses in Which Major Revision was Done: 0

2

20. % of Inter-Disciplinary and Professionally-Oriented Value-Added Courses: 02

4

21. Emphasis on Soft Skills and Personality development: Yes

5

22. Extent and Quality of Industry Interaction and Networking: Yes

5

23. Average Dropout Rate (%) of Students

4

Name of Programme	(CAY) (2022-23)		(CAY-1) (2021-22)		(CAY-2) (2020-21)	
	Students Admitted	Present Enrollment	Students Admitted	Present Enrollment	Students Admitted	Present Enrollment
B. Tech	62	53	66	49	95	71
Average Dropout	(62-53) = 9		(66-49) = 17		(95-71) = 24	

24. % of enrolled Final Year Students Successfully Placed : $(35/53) \times 100 = 66.03\%$

4

25. Highest salary offered to the placed student(s) and No. of students placed in that organization: 1 Annual package 6.5 lakh

4

26. Extent and Depth of Alumni Engagement

5

No. of Alumni meets during the year: 01

Name, Batch and Position of three prominent Alumni:



- 1.2015- Rahul Agarwal- Sopra Steria- Module Lead 2. 2016- Alok Kumar- Cocentrix India- Senior Quality
3. 2016- Rajan Shukla- ACZET- Service Head 4. 2015- Abdullah Khan- TCS- Business Process

27. Academic Infrastructure Quality:

5

Class Room: 8+2(Tutorial) = 10 Lab: 10 Faculty/Staff Room: 11

Projectors: 04 Project Room: 01 Dept. Library: 01

No. of Domain-Related Book Titles in Central Library per Student:

28. Expenditure per Student on Domain-related Library Resources: $24491/115 = 213$

5

29. Student-Computer Ratio: 2.3 (115/50)

5

30. New Quality Initiatives Undertaken during the Year:

State any five New Quality initiatives taken

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1. MoU with Core VLSI semiconductor Industry for Training and Placement to the students.
2. Enhance in Quality of Projects to Develop Research, Innovation and Product.
3. Student Project publication in IEEE/ Scopus
4. Motivating students to be Entrepreneur.
5. Faculty Publication Enhances in SCI/ Scopus Journals
6. Students Projects are prone to Patent and Product based.

31. Depth and Range of Feedback System:

4

Type of Stakeholder involved for giving Feedback (Student/ Parent/Employer/ Alumni etc)	Frequency of Feedback System	No. of Participants for giving feedback	Whether analysis report prepared or not	Action taken report in place or not
Student	Twice a Semester	115	Yes	Yes
Alumni	once	15	Yes	Yes
Employer	once	10	Yes	Yes
Parents	once	10	Yes	Yes

32. % Student Participation in Co-curricular, Extra-curricular Activities: $(79/115)*100=68.9\%$

5



33. No. of Students with Outstanding Performance in Sports and ECAs

5

No. of Students with Outstanding Performance at District Level:3

No. of Students with Outstanding Performance at State Level:0

No. of Students with Outstanding Performance at National Level:6

No. of Students with Outstanding Performance at International Level:0

34. Mentor allocation ratio 20:1

5

35. Regularity in holding Departmental Meetings+

5

Sr.	Name of the Departmental Committee	Role of the Committee	Frequency of Meetings	Whether Minutes of Meeting well stated and placed or not	Action taken report in place or not
1.	DAC	Department Academics	2/ Month	Yes	Yes
2.	DPC	Project Monitoring	2/ Month	Yes	Yes
3.	Feedback Committee	Students Feedback	1/ semester	Yes	Yes
4.	NBA/ NAAC Committee	NBA/ NAAC work related to Department	2/ semester	Yes	Yes
5.	Question paper Moderation committee	Moderation of Internal assessment exam paper to maintain quality of paper	2/ semester	Yes	Yes
6.	R & D committee	To monitor paper publishing	1/ semester	Yes	Yes
7.	Time Table committee	To monitor lecture loads as per university	2/ semester	Yes	Yes

36. Extent of Implementation of ERP: 80%

4

37. Effectiveness of Grievance Redressal and Anti Ragging System : Yes

5

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38. Departmental Library

Printed Books, web resources, e-books: - 160, 3, 15

39. Number of faculty using ICT and PPT/ Innovation teaching: - 16

5

40. Achievements/awards won by faculty: -3

5



❖ Strength of Department

- (1) No. of Faculty Publications has increased.
- (2) No. of Patent Filed have been increased.
- (3) No. of MOUs have been increased.
- (4) No. of student Publication increased.
- (5) No. of FDP attended have been increased.

❖ Weakness of Department

- (1) No. of Quality paper needed to be upgraded from faculty.
- (2) More planning and focus have to be made for Academic Result Improvement.
- (3) More focused should be on Core companies placement with salary package as per industry standard.

❖ Recommended Actions for Improvements

- (1) External Engagement of faculty should be more improved.
- (2) Co-attainment value should be set considering the difficulty of subject.
- (3) Student Faculty ratio should be improved.
- (4) More participation of student and Faculty should be there in MOOC courses like NPTEL.

Suyell
22.01.24.

Signatures of the Academic Audit Committee

Dr Seema Nayyar
HOD BEE



NBA* & NAAC Accredited

Approved by AICTE, New Delhi and Affiliated to Dr. APJ Kalam Technical University, Lucknow

External Academic Audit

Session:2022-23

Action To Be Taken Report (ATTR)

Department: Electronics and Communication Engineering

Date of Conduct of Academic Audit: 25-11-2022

Name of External Auditor: Dr Amit Sahgal

Action to be taken Report (ATTR)

Observations and Suggestions given by Audit committee	Action to be Taken
1. Publication in International Journal & quality publications with impact factor/citations should be focused.	Motivate Faculty to publish quality papers
2. Centre of Excellence with Industry/Govt./Research organization should be established.	Formalize partnerships with industries, government bodies, and research organizations to create specialized research centres.
3. Alumni meet must be arranged can be done region wise.	Organize region-wise alumni meets and create a platform for alumni to stay engaged through events and online networks.
4. Entrepreneurship in students should be promoted.	Set up entrepreneurship cells, conduct workshops on innovation, and offer mentorship for start-ups and incubation programs.
5. Projector in each classroom and project lab.	Ensure all classrooms and labs are equipped with projectors and train staff for smooth operation and maintenance.
6. At least one license software VLSI/MATLAB.	Procure and install licensed versions of VLSI and MATLAB in all relevant labs for students and faculty use.

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Prof. (Dr) Seema Nayak
HOD ECE

HOD - ECE

**IIMT COLLEGE OF ENGINEERING
GREATER NOIDA**

CC:

- Director
- IQAC office

for further action
Suyal

IQAC
IIMT College of Engineering
Greater Noida

External Academic Audit

Session:2022-23

Action Taken Report (ATR)

Department: Electronics and Communication Engineering

Date of Conduct of Academic Audit:25-11-2022

Name of External Auditor: Dr Amit Sahgal

Action Taken	Outcomes
Motivated Faculty to publish quality papers	Total increased citation of publication – 145, workshop conducted- 04,
Formalize partnerships with industries, government bodies	Funded research project operated- 02, Total consultancy revenue generated 1.65 Lac. MoU with Industry- 03
Organized alumni meet and create a platform for alumni to stay engaged through events and online networks.	Per year alumni meet- 01
Set up entrepreneurship cells, conductd workshops on innovation, and offer mentorship for start-ups and incubation programs.	Workshop conducted on innovation- 01, Student Start-up- 02
Given requirement for all classrooms and labs are equipped with projectors and train staff for smooth operation and maintenance.	All classes are ICT enabled and a smart panel installed
Procure and install licensed versions of VLSI and MATLAB in all relevant labs for students and faculty use.	Industry collaboration access for VLSI design tools. For MATLAB, SciLab (Open source used)

CC:

- Director
- IQAC office

for further action
Singh

Singh
Prof.(Dr) Seema Nayak
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