

**Proceedings of 12th Board of Studies Meeting of Department of Information
Technology of Guru Nanak Dev Engineering College, Ludhiana held on May 20th,
2025 at 11AM in the HOD Office of the IT Department**

Following were present:

1. Dr. Kulvinder Singh Mann, Professor and Head, IT Dept., GNDEC, Ludhiana (Chairperson, BOS)
2. Dr. Akshay Girdhar, Professor, IT Dept., GNDEC, Ludhiana (Member, BOS)
3. Dr. Sandeep Kumar Singla, Assistant Professor, IT Dept., GNDEC, Ludhiana (Member, BOS)
4. Dr. Amit Kamra, Assistant Professor, IT Dept., GNDEC, Ludhiana (Member, BOS)
5. Dr. Pankaj Bhambri, Assistant Professor, IT Dept., GNDEC, Ludhiana (Member cum BoS Convener)
6. Dr. Kamaljit Kaur, Assistant Professor, IT Dept., GNDEC, Ludhiana (Member, BOS)
7. Er. Ranjodh Kaur, Assistant Professor, IT Dept., GNDEC, Ludhiana (Member, BOS)
8. Dr. Jagdeep Singh, Assistant Professor, IT Dept., GNDEC, Ludhiana (Member, BOS)
9. Dr. Sarabjeet Singh, Professor, Department of Computer Science and Engineering, University Institute of Engineering and Technology, Panjab University, Chandigarh (Member, BOS; Subject Expert from outside the parent university)
10. Dr. Damanpreet Singh, Professor, Department of Computer Science and Engineering, Sant Longowal Institute of Engineering & Technology, Longowal (Member, BOS; Subject Expert from outside the parent university) (via online mode)
11. Dr. Jaswinder Singh, Professor, Department of Computer Science and Engineering, Punjabi University, Patiala (Member, BOS; Expert nominated by the Vice-Chancellor of IKG PTU)
12. Er. Simran Sohanpal, Senior Software Engineer, Tech Mahindra, Rajiv Gandhi Chandigarh Technology Park, Chandigarh (Member, BOS; Representative from Industry/corporate sector/allied area) (via online mode)
13. Er. Vikas Mahajan, Director of Engineering, Zscaler Inc., IT Park, Sector-67, Sahibzada Ajit Singh Nagar (Member, BOS; Member of the college alumni of department)
14. Dean (Academics) Nominee, Er. Daljit Singh (Member, BOS)
15. Controller of Examination Nominee, Ms. Puneet Narang (Member, BOS)
16. Training & Placement Officer, Er. Gagandeep Singh Sodhi (Member, BOS)
17. Mr. Raghav Malhotra, URN 2303316 (Member, BOS; M.Tech. (CSIT) 2nd Year Student)
18. Mr. Jaspreet Singh, URN 2461617 (Member, BOS; M.Tech. (CSIT) 1st Year Student)
19. Mr. Khushkaran Sharma, URN 2104518 (Member, BOS; B.Tech. (IT) 4th Year Student)
20. Mr. Brahamjot Singh, URN 2303081 (Member, BOS; B.Tech. (IT) 3rd Year Student)
21. Ms. Palak, URN 2303032 (Member, BOS; B.Tech. (IT) 2nd Year Student)

Following members couldn't attend the meeting:

1. Dean Industrial Relationship/ Nominee (Member, BOS)

Item No. 12.01	To confirm the minutes of 11th board of studies meeting Confirmed
Item No. 12.02	Extension in NBA Accreditation Status acquired by the Department Board of Studies Members appreciated the efforts of the department.
Item No. 12.03	Discussion on the proceedings and resolutions of previous departmental meetings related to the Study Scheme-2024 Board of Studies Members appreciated the efforts of the department
Item No. 12.04	Approval of the Study Scheme-2024 (3rd Semester onwards) and 2nd Year Syllabus under the B.Tech. (IT) program Approved
Item No. 12.05	Approval of the specializations for the B.Tech. (IT) Scheme - 2024 Following six specializations are approved: a) Artificial Intelligence and Machine Learning, b) Data Science and Big Data Analytics, c) Network Security and Ethical Hacking, d) Full Stack Web and Mobile Application Development, e) Blockchain and Decentralized Technologies, and f) Industry Oriented Course.
Item No. 12.06	Ratification and Approval of the offered courses/syllabus for the Minor/HONORS programs upto the session Jan-June 2025 Approved
Item No. 12.07	Ratification of the syllabus of the 3rd and 4th semesters of the M.Tech. (CS and IT) Scheme-2020 for the batch 2020 onwards Approved
Item No. 12.08	Ratification of the syllabus for the 7th and 8th semesters under the B.Tech. (IT) study scheme-2018 Approved
Item No. 12.09	Ratification of the Vision/Mission/PEOs/POs/PSOs and Approval of revised POs w.e.f. Scheme-2024 Approved
Item No. 12.10	Ratification/ Approval of the names of paper setters, internal and external examiners for UG and PG programs from July-Dec. 2021 Session onwards Approved. The panel of examiners can be decided by the BOS Chairperson as necessary.

Item No. 12.11	Discussion on the result analysis and innovative teaching practices adopted in the department Board of Studies Members appreciated the efforts of the department and college
Item No. 12.12	Discussion on the practices adopted to improvise the quality of major and minor projects Board of Studies Members appreciated the efforts of the department
Item No. 12.13	Discussion of the various activities organized to improvise the training and placement of the students Board of Studies Members encouraged to improvise further training and placement activities
Item No. 12.14	Discussion on the feedback analysis for the availed feedbacks received from the stakeholders related to the curriculum Board of Studies Members appreciated the efforts of the department
Item No. 12.15	Approval of the syllabus and evaluation scheme for the course code “ESC105” and course titled “Programming Fundamentals using Python” offered in all B.Tech. Programs 2nd Semester – Scheme 2024 Approved

AGENDA

12th Board of Studies Meeting



on
May 20th, 2025
at 11AM

Department of Information Technology
Guru Nanak Dev Engineering College, Ludhiana

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Agenda of 12th Board of Studies Meeting of Department of Information Technology of Guru Nanak Dev Engineering College, Ludhiana to be held on May 20th, 2025 at 11AM in the HOD Office of the IT Department

Item No. 12.01 To confirm the minutes of 11th board of studies meeting

The 11th board of studies meeting was held on February 22, 2021 and the proceedings were circulated to all members of the board of studies for information and comments, if any (copy is enclosed in **Annexure-I**).

As no comments have been received, so, proceedings stand approved and placed herewith before the board of studies for confirmation please.

Item No. 12.02 Extension in NBA Accreditation Status acquired by the Department

It is for information that Department of Information Technology has been further accredited by National Board of Accreditation (NBA) vide file no. 31-15-2010-NBA dated April 16, 2025. This recognition has been granted based on the department's compliance report, and the accreditation remains valid until June 30th, 2028.

The item is placed before the board of studies for information.

Item No. 12.03 Discussion on the proceedings and resolutions of previous departmental meetings related to the Study Scheme-2024

Since July 2024, the department has conducted multiple meetings to propose a revised study scheme and syllabus for the admission batch of B.Tech. (IT) program 2024. The faculty members—particularly those with prior experience in teaching the proposed syllabus domains—contributed valuable suggestions, aligning the curriculum with industry requirements, GATE syllabi, third-party certifications, enhanced training and placement opportunities, AICTE model curriculum, and the National Education Policy (NEP) 2020.

Under the supervision of the concerned module coordinators (who possess extensive experience in these domains), the faculty meticulously drafted the syllabus, including detailed credit distribution for each course in adherence to institutional and AICTE guidelines. These drafts were rigorously discussed, analyzed, and iteratively refined during departmental meetings to ensure academic rigor, workload balance, and compliance with the institute norms.

To further strengthen the curriculum, the syllabus of reputed national and international universities and institutes was benchmarked, with a focus on

incorporating the latest technological trends and advancements. External experts from the Board of Studies were apprised of these revisions, and their feedback—particularly on credit distribution and curricular coherence—was actively sought via email.

The item is placed before the board of studies for discussion.

Item No. 12.04 Approval of the Study Scheme-2024 (3rd Semester onwards) and 2nd Year Syllabus under the B.Tech. (IT) program

The detailed study scheme-2024 (3rd Semester onwards) and 2nd year syllabus under the B.Tech. (IT) program are attached in **Annexure-II and Annexure-III**, respectively.

The item is placed before the board of studies for approval.

Item No. 12.05 Approval of the specializations for the B.Tech. (IT) Scheme - 2024

Following specializations domains are proposed for the B.Tech. (IT) Scheme -2024

- a. Data Science and Business Intelligence
- b. Artificial Intelligence and Machine Learning
- c. Computer Vision and NLP
- d. Digital Forensics and Network Security
- e. Full Stack Web and Mobile App Development
- f. *Industry Oriented Courses*

The item is placed before the board of studies for approval.

Item No. 12.06 Ratification and Approval of the offered courses/syllabus for the Minor/HONORS programs upto the session Jan-June 2025

List of courses offered for the Minor/ HONORS programs in the Department of Information Technology, from the session Jan. 2021 are attached as per **Annexure-IV**.

The item is placed before the board of studies for approval.

Item No. 12.07 Ratification of the syllabus of the 3rd and 4th semesters of the M.Tech. (CS and IT) Scheme-2020 for the batch 2020 onwards

The 3rd and 4th Semesters Syllabus of M.Tech. (CS and IT) Scheme-2020 for the admission batch 2020 onwards is attached as per **Annexure-V**. The soft copy of this syllabus is available on the college website at <https://it.gndec.ac.in/?q=node/21> as accessible on May 20th, 2025.

The item is placed before the board of studies for approval.

Item No. 12.08 Ratification of the syllabus for the 7th and 8th semesters under the B.Tech. (IT) study scheme-2018

The 7th and 8th Semesters Syllabus of B.Tech. (IT) Scheme-2018 for the admission batches from 2018 to 2023 is attached as per **Annexure-VI**. The soft copy of this syllabus is available on the college website at <https://it.gndec.ac.in/?q=node/19> as accessible on May 20th, 2025.

The item is placed before the board of studies for approval.

Item No. 12.09 Ratification of the Vision/Mission/PEOs/POs/PSOs and Approval of revised POs w.e.f. Scheme-2024

The Vision/ Mission/ PEOs/ POs/ PSOs and the revised POs w.e.f. Scheme-2024 for the Department of Information Technology is attached as per **Annexure-VII**.

The item is placed before the board of studies for approval.

Item No. 12.10 Ratification/ Approval of the names of paper setters, internal and external examiners for UG and PG programs from July-Dec. 2021 Session onwards

The list of the names of paper setters, internal and external examiners for UG and PG programs of Department of Information Technology is attached as per **Annexure-VIII**.

The item is placed before the board of studies for approval.

Item No. 12.11 Discussion on the result analysis and innovative teaching practices adopted in the department

Result analysis of the previous batches and the adopted practices to improvise the results is attached as per **Annexure-IX**.

The item is placed before the board of studies for discussion.

Item No. 12.12 Discussion on the practices adopted to improvise the quality of major and minor projects

Currently, students begin their minor projects in the 5th semester, which coincides with the offering of professional elective courses. To strengthen their expertise and improve placement opportunities, students are encouraged to align their minor project with their chosen professional elective. Furthermore, they are advised to continue in the same specialization domain for their major project and six-month

training. The department/ college provides awards and grants to students working on innovative or real-time projects. Detailed procedures for project allocation, monitoring, and evaluation etc. are outlined in **Annexure-X**.

The item is placed before the board of studies for discussion.

Item No. 12.13 Discussion of the various activities organized to improvise the training and placement of the students

Detailed procedures for project allocation, monitoring, and evaluation etc. are outlined in **Annexure-XI**.

The item is placed before the board of studies for discussion.

Item No. 12.14 Discussion on the feedback analysis for the availed feedbacks received from the stakeholders related to the curriculum

Feedback analysis for the received feedbacks from the stakeholders, related to the curriculum is attached as an **Annexure-XII**.

The item is placed before the board of studies for discussion.

Item No. 12.15 Approval of the syllabus and evaluation scheme for the course code “ESC105” and course titled “Programming Fundamentals using Python” offered in all B.Tech. Programs 2nd Semester – Scheme 2024

The syllabus and evaluation scheme for the course code “ESC105” and course titled “Programming Fundamentals using Python” offered in all B.Tech. Programs 2nd Semester – Scheme 2024 is attached as per **Annexure-XIII**.

The item is placed before the board of studies for approval.

Any other items with permission of the Chair.

Sd\-

Head of Department (IT) and Chairperson (BoS)

CC: Dept. BOS File

All BOS Members

Principal, GNDEC Ludhiana for Information, please

Dean Academics, GNDEC Ludhiana