**1.3.2 Average percentage of courses that include experiential learning through project**

**work/fieldwork/internship during 2022-23.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.No | Program Name | Program Code | Name of the Course that include experiential learning through project work/field work/internship | Course Code | Document Link |
|  | Agriculture Engineering | AG | Transform Calculus, Fourier Series and Numerical Techniques | 21MAT31 | [VIEW](https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%201/1.3.3/AG/2nd%20year%20AE%20Internship%20Merge.pdf)  [DOCUMENT](https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%201/1.3.3/AG/2nd%20year%20AE%20Internship%20Merge.pdf) |
|  | Fundamentals of Agriculture & Crop Production Technology | 21AG32 |
|  | Soil Mechanics, Surveying & Levelling | 21AG33 |
|  | Mechanics of Materials & Machines | 21AG34 |
|  | Basic Workshop Practise Lab | 21AGL35 |
|  | Tractor & Automotive Engines | 21AG42 |
|  | Agricultural Process Engineering | 21AG43 |
|  | Thermodynamics & Fluid Mechanics | 21AG44 |
|  | Machine Drawing and GD & T Lab | 21AGL46 |
|  | Inter/Intra Institutional Internship | 21INT49 |
|  | Complex Analysis, Probability and Linear Programming | 21MATME41 |
|  | Artificial Intelligence and Machine Learning | AIML | Transform Calculus, Fourier Series and Numerical Techniques | 21MAT31 | [VIEW DOCUMENT](https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%201/1.3.3/AIML/3rd%20year%20mini%20project%20merge.pdf) |
|  | Data Structures and its Applications | 21CS32 |
|  | Computer Organization and Architecture | 21CS34 |
|  | Object Oriented Programming with JAVA Laboratory | 21CSL35 |
|  | Mastering Office | 21CSL381 |
|  | Mathematical Foundations for Computing | 21CS41 |
|  | Design and Analysis of Algorithms | 21CS42 |
|  | Microcontroller and Embedded System | 21CS43 |
|  | Operating System | 21CS44 |
|  | Python Programming Laboratory | 21CSL46 |
|  | R- Programming | 21CSL483 |  |
|  | Python Programming | 18AI52 |
|  | Database Management System | 18CS53 |
|  | Automata theory and Computability | 18CS54 |
|  | Principles of Artificial Intelligence | 18AI55 |
|  | Mathematics for Machine Learning | 18AI56 |
|  | Artificial Intelligence Laboratory | 18AIL57 |
|  | DBMS Laboratory with mini project | 18CSL58 |
|  | Machine Learning | 18AI61 |
|  | Digital Image Processing | 18AI62 |
|  | Digital Image Processing Laboratory with mini project | 18AIL67 |
|  | Mobile Application Development Laboratory | 18AIL68 |
|  | Java for Mobile Applications | 18A163 |
|  | Foundation for Data Science | 18Al644 |
|  | Computer Science & Design | CSD | Transform Calculus, Fourier Series and Numerical Techniques | 21MAT31 | [VIEW DOCUMENT](https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%201/1.3.3/CSD/2nd%20year%20CSD%20Internship%20merge.pdf) |
|  | Data Structures and ITS Applications | 21CS32 |
|  | Analog and Digital Electronics | 21CS33 |
|  | Computer Organization and Architecture | 21CS34 |
|  | Object Oriented Programming with JAVA Laboratory | 21CSL35 |
|  | Ability Enhancement Course - III (Mastering Office ) | 21CSL381 |
|  | Mathematical Foundations for Computing | 21CS41 |
|  | Design and Analysis of Algorithms | 21CS42 |
|  | Microcontroller and Embedded System | 21CS43 |
|  | Operating System | 21CS44 |
|  | Python Programming Lab | 21CSL46 |
|  | Computer Science & Engineering | CSE | Transform Calculus, Fourier Series and Numerical Techniques | 21MAT31 | [VIEW DOCUMENT](https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%201/1.3.3/CSE/Projects/4th%20Year%20Majorprojects/CSE%204th%20year%20merged%20project%20all.pdf) |
|  | Data Structures and its Applications | 21CS32 |
|  | Analog and Digital Electronics | 21CS33 |
|  | Computer Organization and Architecture | 21CS34 |
|  | Object Oriented Programming with JAVA Laboratory | 21CSL35 | [VIEW DOCUMENT](https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%201/1.3.3/CSE/Projects/3rd%20year%20Miniprojects/DBMS%20MINI%20PROJECT%201.pdf)  [VIEW DOCUMENT](https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%201/1.3.3/CSE/Projects/3rd%20year%20Miniprojects/DBMS%20MINI%20PROJECT%202.pdf) |
|  | Mastering Office | 21CSL381 |
|  | Mathematical Foundations for Computing | 21MATCS41 |
|  | Design and Analysis of Algorithms | 21CS42 |
|  | Microcontroller and Embedded System | 21CS43 |
|  | Operating System | 21CS44 |
|  | Python Programming Laboratory | 21CSL46 |
|  | Web Programming | 21CSL481 |
|  | Inter/Intra Institutional Internship | 21INT49 |
|  | Computer Networks and Security | 18CS52 |
|  | Database Management System | 18CS53 |
|  | Automata theory and Computability | 18CS54 |
|  | Application Development using Python | 18CS55 |
|  | Unix Programming | 18CS56 |
|  | Computer Network Laboratory | 18CSL57 |
|  | DBMS Laboratory with mini project | 18CSL58 |
|  | System Software and Compilers | 18CS61 |
|  | Computer Graphics and Visualization | 18CS62 |
|  | Web Technology and its applications | 18CS63 |
|  | Advanced JAVA and J2E | 18CS644 |
|  | System Software Laboratory | 18CSL66 |
|  | Computer Graphics Laboratory with mini project | 18CSL67 |
|  | Mobile Application Development | 18CSMP68 |
|  | Artificial Intelligence and Machine Learning | 18CS71 |
|  | Big Data Analytics | 18CS72 |
|  | User Interface Design | 18CS734 |
|  | Cryptography | 18CS744 |
|  | Python Application Programming | 18CS752 |
|  | Artificial Intelligence and Machine Learning Laboratory | 18CSL76 |
|  | Project Work Phase – 1 | 18CSP77 |
|  | Internet of Things | 18CS81 |
|  | Storage Area Networks | 18CS822 |  |
|  | Project Work Phase - 2 | 18CSP83 |
|  | Internship |  |
|  | Civil Engineering | CV | Transform Calculus, Fourier Series and Numerical Techniques | 21MAT31 | [VIEW DOCUMENT](https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%201/1.3.3/CV/4th%20year%20Project%20Merged.pdf)  [VIEW DOCUMENT](https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%201/1.3.3/CV/3rd%20Year%20Extensive%20survey%20Merged.pdf) |
|  | Geodetic Engineering | 21CV32 |
|  | Strength of Materials | 21CV33 |
|  | Earth Resources and Engineering | 21CV34 |
|  | Computer Aided Building Planning and Drawing | 21CVL35 |
|  | Microsoft Excel and Visual Basic for Application | 21CV832 |
|  | Complex Analysis, Probability and Statistical Methods. | 21MAT41 |
|  | Fluid Mechanics and Hydraulics | 21CV42 |
|  | Public Health Engineering | 21CV43 |
|  | Analysis of Structures | 21CV44 |
|  | Earth Resources and Engineering Lab | 21CVL46 |
|  | Green Buildings | 21CV485 |
|  | Construction Management & Entrepreneurship | 18CV51 |
|  | Analysis of Indeterminate Structures | 18CV52 |
|  | Design of RC Structural Elements | 18CV53 |
|  | Basic Geotechnical Engineering | 18CV54 |
|  | Municipal Wastewater Engineering | 18CV55 |
|  | Highway Engineering | 18CV56 |
|  | Surveying Practice | 18CVL57 |
|  | Concrete and Highway Materials Laboratory | 18CVL58 |
|  | Design of Steel Structural Elements | 18CV61 |
|  | Applied Geotechnical Engineering | 18CV62 |
|  | Hydrology and Irrigation Engineering | 18CV63 |
|  | Solid Waste Management | 18CV642 |
|  | Occupational Health & Safety | 8CV653 |
|  | Software Application Laboratory | 18CVL66 |
|  | Environmental Engineering Laboratory | 18CVL67 |
|  | Extensive Survey Project | 18CVEP68 |
|  | Quantity Surveying And Contract Management | 18CV71 |  |
|  | Design Of RCC And Steel Structures | 18CV72 |
|  | Air Pollution And Control | 18CV732 |
|  | Earthquake Engineering | 18CV741 |
|  | Design Of Hydraulic Structures | 18CV744 |
|  | Environmental Protection and Management | 8CV753 |
|  | Computer Aided Detailing Of Structures | 18CVL76 |
|  | Geotechnical Engineering Laboratory | 18CVL77 |
|  | Design of Pre-stressed Concrete | 18CV81 |
|  | Rehabilitation & Retrofitting | 18CV824 |
|  | Pavement Design | 18CV825 |
|  | Project Work Phase - 2 | 18CVP83 |
|  | Technical Seminar | 18CVS84 |
|  | Internship | 18CVI85 |
|  | Electronics Communication Engineering | ECE | Transform Calculus, Fourier Series and Numerical Techniques | 21MAT31 | [VIEW DOCUMENT](https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%201/1.3.3/ECE/4th%20Year%20Projects/Merged%20Final%20Year%20Academic%20Projects.pdf) |
|  | Digital System Design using Verilog | 21EC32 |
|  | Basic Signal Processing | 21EC33 |
|  | Analog Electronic Circuits | 21EC34 |
|  | Analog and Digital Electronics Lab | 21ECL35 |
|  | LIC(Linear Integrated Circuits)Lab using Pspice/MultiSIM | 21EC383 |
|  | Complex Analysis Probability and Statistical Methods | 21EC41 |
|  | Digital Signal Processing | 21EC42 |
|  | Circuits & Controls | 21EC43 |
|  | Communication Theory | 21EC44 |
|  | Communication Laboratory I | 21ECL46 |
|  | C++ Basics | 21EC482 |
|  | Inter/Intra Institutional Internship | 21INT49 |
|  | Digital Signal Processing | 18EC52 |
|  | Principles of Communication Systems | 18EC53 |
|  | Information Theory and coding | 18EC54 |
|  | Electromagnetic Waves | 18EC55 |
|  | Verilog HDL | 18EC56 |
|  | Digital Signal Processing Laboratory | 18ECL57 |
|  | HDL Laboratory | 18ECL58 |
|  | Digital Communication | 18EC61 | [VIEW DOCUMENT](https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%201/1.3.3/ECE/3rd%20Year%20Mini%20Project/2022-2023%20Mini%20Projects%20Merged.pdf) |
|  | Embedded Systems | 18EC62 |
|  | Microwave and Antennas | 18EC63 |
|  | Operating systems | 18EC641 |
|  | Embedded Systems Laboratory | 18ECL66 |
|  | Communication Laboratory | 18ECL67 |
|  | Mini-Project | 18ECMP68 |
|  | Computer Network | 18EC71 |
|  | VLSI Design | 18EC72 |
|  | DSP Algorithm and Architecture | 18EC734 |
|  | IoT and Wireless Sensor Networks | 18EC741 |
|  | Computer Network Laboratory | 18ECL76 |
|  | VLSI Laboratory | 18ECL77 |
|  | Project Work Phase-1 | 18ECP78 |
|  | Wireless and Cellular Communication | 18EC81 |
|  | Network Security | 18EC821 |
|  | Internship | 18EC185 |
|  | Project Work Phase – 2 | 18ECP83 |
| 1. 7 | Information Science & Engineering | ISE | Transform Calculus, Fourier Series and Numerical Techniques | 21MAT31 | [VIEW DOCUMENT](https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%201/1.3.3/ISE/2nd%20year%20merge%20micro%20projects.pdf) |
|  | Data Structures and its Applications | 21CS32 |
|  | Analog and Digital Electronics | 21CS33 |
|  | Computer Organization and Architecture | 21CS34 |
|  | Object Oriented Programming with JAVA Laboratory | 21CSL35 |
|  | Mastering Office | 21CSL381 |
|  | Mathematical Foundations for Computing | 21MATCS41 |
|  | Design and Analysis of Algorithms | 21CS42 |
|  | Microcontroller and Embedded System | 21CS43 |
|  | Operating System | 21CS44 |
|  | Python Programming Laboratory | 21CSL46 |
|  | Web Programming | 21CSL481 |
|  | Inter/Intra Institutional Internship | 21INT49 |
|  | Computer Networks and Security | 18CS52 |
|  | Database Management System | 18CS53 |
|  | Automata theory and Computability | 18CS54 |
|  | Application Development using Python | 18CS55 |
|  | Unix Programming | 18CS56 |
|  | Computer Network Laboratory | 18CSL57 | [VIEW DOCUMENT](https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%201/1.3.3/ISE/3rd%20year%20mini%20project%20Merge.pdf)  [VIEW DOCUMENT](https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%201/1.3.3/ISE/4th%20year%20project%20merge.pdf) |
|  | DBMS Laboratory with mini project | 18CSL58 |
|  | File Structures | 18IS61 |
|  | Software Testing | 18IS62 |
|  | Web Technology and its applications | 18CS63 |
|  | Object Oriented Modelling and Design | 18CS642 |
|  | Introduction to Data Structures and Algorithms | 18CS652 |
|  | Software Testing Laboratory | 18ISL66 |
|  | File Structures Laboratory with mini project | 18ISL67 |
|  | Mobile Application Development | 18ISMP68 |
|  | Artificial Intelligence and Machine Learning | 18CS71 |
|  | Big Data Analytics | 18CS72 |
|  | Software Architecture and Design Patterns | 18CS731 |
|  | Robotic Process Automation Design & Development | 18CS745 |
|  | Python Application Programming | 18CS752 |
|  | Artificial Intelligence and Machine Learning Laboratory | 18CSL76 |
|  | Project Work Phase – 1 | 18CSP77 |
|  | Internet of Things | 18CS81 |
|  | Storage Area Networks | 18CS822 |
|  | Project Work Phase - 2 | 18CSP83 |
|  | Internship | 18CSI85 |
|  | Mechanical Engineering | ME | Transform Calculus, Fourier Series and Numerical Techniques | 21MAT31 | [VIEW DOCUMENT](https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%201/1.3.3/ME/ME%203rd%20year%20mini%20project%20ALL.pdf) |
|  | Metalcasting, Forming &Joining Process | 21ME32 |
|  | Material Science & Engineering | 21ME33 |
|  | Thermodynmaics | 21ME34 |
|  | Machine drawing & GD & T | 21MEL35 |
|  | Introduction to PYTHON | 21ME381 |
|  | Complex Analysis, Probablity & Linear Programming | 21ME41 |
|  | Machining Science and Jigs & Fixture | 21ME42 |
|  | Fluid Mechanics | 21ME43 |
|  | Mechanics of Materials | 21ME44 |
|  | Mechanical Measurements andMetrology Lab | 21MEL46 | [VIEW DOCUMENT](https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%201/1.3.3/ME/ME%204th%20year%20merged%20project%20all.pdf) |
|  | Spread Sheets for Engineers | 21ME481 |
|  | Inter/Intra Institutional Internship | 21INT49 |
|  | Management &Economics | 18ME51 |
|  | Design Of Machine Element-I | 18ME52 |
|  | Dynamics Of Machine | 18ME53 |
|  | Turbo Machines | 18ME54 |
|  | Fluid Power Engineering | 18ME55 |
|  | Operation Management | 18ME56 |
|  | Fluid Mechanics/Machines Lab | 18MEL57 |
|  | Energy Conversion Lab | 18MEL58 |
|  | Finite Element Methods | 18ME61 |
|  | Design of Machine Elements II | 18ME62 |
|  | Heat Transfer | 18ME63 |
|  | Non Traditional Machining | 18ME641 |
|  | Computer Aided Modellingand Analysis Lab | 18MEL66 |
|  | Heat Transfer Lab | 18MEL67 |
|  | Mini-project | 18MEMP68 |
|  | Control Engineering | 18ME71 |
|  | Computer Aided Design & Manufacturing | 18ME72 |
|  | Total QualityManagement | 18ME734 |
|  | Additive Manufacturing | 18ME741 |
|  | Industrial Safety | 18ME753 |
|  | Computer Integrated Manufacturing Lab | 18MEL76 |
|  | Design Lab | 18MEL77 |
|  | Project Work Phase - 1 | 18MEP78 |
|  | Internship | 18MEI85 |
|  | ENERGY ENGINEERING | 18ME81 |
|  | Automobile Engg | 18ME824 |
|  | Project Work Phase - 2 | 18MEP83 |
|  | Internship | 18MEI85 |
|  | Management Business Administration | MBA | Management & Organizational Behaviour | 20MBA11 |
|  | Accountingformanagers | 20MBA13 |
|  | Marketing Management | 20MBA15 |
|  | Humanresourcemanagement | 20MBA21 |
|  | Financialmanagement | 20MBA22 |
|  | Strategicmanagement | 20MBA25 |
|  | Entrepreneurship & Legal Aspects | 20MBA26 |
|  | Emerging Exponential Technologies | 20MBA301 | [VIEW DOCUMENT](https://cloud.aiet.org.in/storage/NAAC/NAAC%20AQAR%20(2022-23)/Criteria%201/1.3.3/MBA%20Internship%20Projects%20&%20Micro%20Projects%20word%20doc/Micro%20Projects%20III%20Sem%20Merged%202022-23.pdf) |
|  | Technology & Operational Strategy | 20MBA302 |
|  | Services Marketing | 20MBAMM303 |
|  | Marketing Research And Analytics | 20MBAMM304 |
|  | Investment Management | 20MBAFM 303 |
|  | Banking And Financial Services | 20MBAFM305 |
|  | Advanced Financial Management | 20MBAFM306 |
|  | Human Resource Analytics | 20MBAHR304 |
|  | Logistics And Supply Chain Management | 20MBAMM402 |
|  | Digital Marketing Management | 20MBAMM403 |
|  | Risk Management And Insurance | 20MBAFM401 |
|  | Financial Derivatives | 20MBAFM402 |
|  | Corporate Valuation | 20MBAFM405 |
|  | International Financial Management | 20MBAFM406 |
|  | Organizational Leadership | 20MBAHR401 |
|  | Personal Growth & Interpersonal Effectiveness | 20MBAHR402 |
|  | International Human Resource Management | 20MBAHR403 |
|  | Organization Change And Development | 20MBAHR404 |
| **Average percentage of courses that include experiential**  **Learning.** | | | | | 89.66 % |