

E CODE LEARNING SOFTWARE SERVICES
MEMORANDUM OF UNDERSTANDING (MOU)

Between
SIDDHARTHA INSTITUTE OF TECHNOLOGY & SCIENCES (UGC – AUTONOMOUS)
And
ECODE LEARNING SOFTWARE SERVICES

This Memorandum of Understanding (MOU) is made and entered into on this 24th day of October 2025, by and between:

SIDDHARTHA INSTITUTE OF TECHNOLOGY & SCIENCES

Narapally Village, Korremula Road, Ghatkesar, Medchal-Malkajgiri (Dist), Hyderabad-500088. Represented by the Principal, herein after referred to as the “College”. The College is also referred to as SITS wherever applicable.

AND

ECODE LEARNING SOFTWARE SERVICES

T2, Sai Landmark Apartment, Kamalanagar Road No. 5, Beside HDFC Bank, Chaitanyapuri, Hyderabad, Telangana – 500060, represented by the Managing Director, hereinafter referred to as the “Company”.

The College and the Company are hereinafter individually referred to as a “Party” and collectively as the “Parties”.

1. PURPOSE OF THE MOU

This MOU formalizes the collaboration between Siddhartha Institute of Technology & Sciences (SITS) and Ecode Learning Software Services for providing Major Project Training & Execution Support, technical mentorship, hands-on training, project development and documentation support for B.Tech students across all relevant engineering branches over a period of two academic years.

The collaboration is intended to bridge the gap between academic learning and industry requirements by providing students with practical exposure to current technologies, real-world engineering applications, research-oriented problem solving and industry-relevant project development.

2. SCOPE OF COLLABORATION

The Company shall provide Major Projects for eligible final-year students aligned with current industry standards, emerging technologies and the academic requirements of the College. Projects may

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include training, project selection, problem identification, design, development, implementation, testing, validation, documentation, presentation and final evaluation support.

3. FOCUS AREAS

Computer Science & Engineering (CSE): Artificial Intelligence, Classical AI, Machine Learning, Supervised Learning, Unsupervised Learning, Reinforcement Learning, Neural Networks, Deep Learning, CNNs, RNNs, LSTMs, Transformers, Generative AI, Large Language Models (LLMs), Diffusion Models, Multimodal AI, Agentic AI, AI Agents, AI Planning, AI Memory, Tool-Using AI, Autonomous AI Execution, Computer Vision, Natural Language Processing, Data Science, Data Analytics, Predictive Analytics, Recommendation Systems, Intelligent Automation, Cybersecurity, Cloud Computing, Full Stack Development, Blockchain, Big Data, DevOps and Edge Computing.

Computer Science & Engineering – Artificial Intelligence & Machine Learning: Artificial Intelligence, Classical AI, Expert Systems, Symbolic AI, Knowledge Representation, Machine Learning, Supervised Learning, Unsupervised Learning, Classification, Regression, Reinforcement Learning, Neural Networks, Perceptrons, Backpropagation, Activation Functions, Hidden Layers, Deep Learning, CNNs, RNNs, LSTMs, Autoencoders, Transformers, Generative AI, LLMs, Diffusion Models, Multimodal AI, Computer Vision, NLP, Predictive Analytics, Recommendation Systems, Intelligent Automation, Agentic AI, AI Agents, AI Planning, AI Memory, Tool-Using AI and Autonomous AI Execution.

CSE – Data Science: Data Science, Data Analytics, Big Data, Machine Learning, Artificial Intelligence, Neural Networks, Deep Learning, Generative AI, LLMs, Predictive Analytics, Classification, Regression, Recommendation Systems, Intelligent Automation, Data Mining, Business Intelligence, Data Visualization, Statistical Modelling, Statistical Learning, Knowledge Representation and AI-based Decision Support Systems.

CSE – Cyber Security: Network Security, Ethical Hacking, Digital Forensics, Malware Analysis, Secure Software Development, Cloud Security, IoT Security, AI-based Cybersecurity, Machine Learning for Threat Detection, Deep Learning-based Intrusion Detection, Neural Network-based Anomaly Detection, Generative AI for Cybersecurity, LLM-based Security Analysis, Intelligent Automation, AI Agents, Autonomous Security Monitoring, Malware Classification, Predictive Threat Analytics and Security Information & Event Management.

CSE – Internet of Things (IoT): IoT, Embedded AI, Machine Learning, Neural Networks, Deep Learning, Edge AI, Sensor Networks, Edge Computing, Cloud IoT, Smart Systems, Industrial IoT, IoT Security, Computer Vision, Intelligent Automation, Predictive Maintenance, AI-based Sensor Analytics, Reinforcement Learning, Generative AI, Agentic AI, Autonomous Decision-Making and AI-enabled Smart Devices.

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Electronics & Communication Engineering (ECE): Embedded Systems, Embedded AI, IoT, Artificial Intelligence, Machine Learning, Neural Networks, Deep Learning, CNNs, RNNs, Computer Vision, Image Processing, Signal Processing, VLSI Design, FPGA, Wireless Communication, 5G/6G, RF & Microwave, Antenna Design, Robotics, Biomedical Electronics, Generative AI, Edge AI, Intelligent Automation, Sensor Fusion, Autonomous Systems and AI-enabled Communication Systems.

Electrical & Electronics Engineering (EEE): Power Electronics, Artificial Intelligence, Machine Learning, Deep Learning, Neural Networks, Smart Grid, Renewable Energy Systems, Solar Energy, Electric Vehicles, EV Charging, Battery Management Systems, Energy Management, Industrial Automation, Power Quality, Electrical Drives, Predictive Maintenance, AI-based Fault Detection, Intelligent Energy Management, Reinforcement Learning, Edge AI, Generative AI, Digital Twins and Autonomous Energy Systems.

Mechanical Engineering (ME): Artificial Intelligence, Machine Learning, Deep Learning, Neural Networks, Computer Vision, Predictive Analytics, CAD/CAM, Robotics, Mechatronics, Thermal Systems, CFD, Advanced Manufacturing, Additive Manufacturing, Industrial Automation, Smart Manufacturing, Industry 4.0, Generative AI, Generative Design, Digital Twins, Predictive Maintenance, Intelligent Robotics, Autonomous Systems, Reinforcement Learning, Edge AI and AI-based Manufacturing Optimization.

Civil Engineering (CE): Artificial Intelligence, Machine Learning, Deep Learning, Computer Vision, Generative AI, Predictive Analytics, Data Analytics, Neural Networks, Green Concrete, Structural Analysis and Design, Sustainable Construction, Construction Management, Transportation Engineering, Environmental Engineering, GIS, BIM, Smart Infrastructure, Software-based Design and Analysis, Structural Health Monitoring, AI-based Crack Detection, Intelligent Transportation Systems, Digital Twins, Predictive Maintenance, Autonomous Construction, Smart Cities and AI-based Infrastructure Management.

4. RESPONSIBILITIES OF SIDDHARTHA INSTITUTE OF TECHNOLOGY & SCIENCES

- Identify and nominate eligible students for Major Project Training and Execution programs during each academic year.
- Provide necessary infrastructure, laboratories and academic coordination support, wherever required and mutually agreed.
- Schedule appropriate time within the academic calendar for training, reviews and project execution.
- Facilitate interaction between faculty mentors, project coordinators and Company trainers/technical experts.
- Nominate faculty coordinators/project guides for effective monitoring of student projects.
- Coordinate periodic project reviews and facilitate final project evaluation.

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- Provide academic guidelines, project requirements and relevant institutional procedures to the Company.
- Extend reasonable cooperation for successful implementation of the collaboration during the two-year MOU period.

5. RESPONSIBILITIES OF ECODE LEARNING SOFTWARE SERVICES

- Deliver domain-specific project ideas and innovative concepts relevant to each branch and curriculum.
- Provide industry-oriented Major Project titles and problem statements.
- Conduct hands-on training sessions, seminars, workshops and mentorship programs for students.
- Provide technical guidance in project design, development, implementation, testing and validation.
- Provide technical review support at suitable stages of project execution.
- Assist students with hardware/software selection, coding, simulation, modelling and prototype development wherever applicable.
- Provide troubleshooting and technical support during project execution.
- Supply project documentation templates, report structures and presentation guidelines.
- Guide students in project demonstrations, technical presentations and viva-voce preparation.
- Provide final project evaluation assistance in coordination with College faculty, wherever mutually agreed.
- Issue certificates of participation, completion and/or excellence to students upon successful completion of the prescribed activities, wherever applicable.
- Encourage innovative, research-oriented and industry-relevant projects.

6. CERTIFICATION

Upon successful completion of the prescribed project training and project activities, the Company may issue appropriate certificates to participating students. The type, format and eligibility criteria for certificates shall be mutually decided by the Parties.

7. CONFIDENTIALITY & INTELLECTUAL PROPERTY

Both Parties agree to maintain confidentiality of technical, academic, commercial and proprietary information exchanged during the collaboration. Pre-existing intellectual property of either Party shall remain the property of that Party. Intellectual property independently developed by students shall be governed by applicable institutional policies and mutually agreed project terms. Intellectual

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property generated jointly by the College and Company through substantial contributions from both Parties shall be jointly owned unless otherwise specified in a separate written agreement.

8. FINANCIAL ARRANGEMENTS

Any financial arrangements relating to project training, consultancy, hardware components, software resources, project development, certification or other services shall be mutually discussed and agreed separately in writing. This MOU by itself shall not create any automatic financial obligation on either Party.

9. DURATION

This MOU shall remain in effect for a period of TWO (2) YEARS, commencing from 24th October 2025 and continuing until 23rd October 2027, unless extended, renewed or terminated earlier in accordance with the provisions of this MOU. Each academic year shall have a dedicated project and training schedule, mutually planned and executed by both Parties.

10. TERMINATION

This MOU may be terminated by either Party by providing 30 days' prior written notice to the other Party. Termination shall not automatically affect student projects or activities already formally initiated; the Parties shall mutually determine an appropriate mechanism for completion or transition of such activities.

11. AMENDMENTS

Any amendments, extensions, modifications or additional clauses to this MOU shall be made in writing and duly signed by authorized representatives of both Parties.

12. NON-EXCLUSIVITY

This MOU is non-exclusive. Both Parties shall remain free to enter into similar academic, technical, training or industry collaborations with other institutions or organizations.

13. DISPUTE RESOLUTION

Any dispute arising from or relating to this MOU shall first be addressed through mutual discussion between authorized representatives of the Parties. The Parties shall make reasonable efforts to resolve any dispute amicably.

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14. GENERAL UNDERSTANDING

This MOU represents the mutual understanding and intention of the Parties to collaborate for academic, technical and industry-oriented student development. Nothing in this MOU shall be construed as creating a partnership, joint venture, employment relationship or agency between the Parties.

15. RESEARCH, CONFERENCE AND JOURNAL PUBLICATION SUPPORT

As part of the collaboration, **Ecode Learning Software Services** shall provide research, innovation and publication-oriented support to eligible students, faculty members and project teams of **Siddhartha Institute of Technology & Sciences (SITS)**. Such support shall be connected, wherever appropriate, to Major Projects, innovative projects, funded research initiatives, faculty research, interdisciplinary research and technology development activities undertaken under this MOU.

Ecode Learning Software Services has an established R&D and academic collaboration network involving **IITs, NITs, IIITs and other reputed academic and research institutions**, which may provide opportunities for technical interaction, research mentoring, expert guidance, collaborative research and publication-oriented activities, subject to the availability, scope and independent consent of the respective institutions and researchers.

The research and publication support shall include:

- Identification of suitable research topics, problem statements and publication-oriented project ideas based on current engineering and technology trends.
- Guidance for converting completed Major Projects and research outcomes into quality technical papers.
- Support in preparation of research manuscripts for IEEE conferences and IEEE journals, subject to the scope, author guidelines and submission requirements of the selected publication.
- Support in preparation of manuscripts for suitable Scopus-indexed conferences, journals and conference proceedings, after verification of the publication's current indexing/coverage status.
- Support in preparing manuscripts for Web of Science (WoS)-indexed journals or conferences/proceedings where applicable and where the target publication is confirmed as currently covered by the relevant Web of Science index.
- Support for Springer conference proceedings and Springer journals, including manuscript structuring, formatting, technical presentation, references and submission preparation, where the selected Springer publication is appropriate.

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- Assistance with title selection, abstract preparation, keywords, literature review, methodology, results, discussion, conclusion and references.
- Technical editing, language improvement, formatting, plagiarism/originality checks and manuscript-quality improvement guidance.
- Selection support for appropriate target conferences, journals or proceedings based on topic, scope, publication type, indexing status and author guidelines.
- Preparation support for submission documents, cover letters, author information, declarations and other required files, wherever applicable.
- Support in preparing responses to reviewer comments, revisions, rebuttal/response letters and revised manuscripts after peer-review feedback.
- Guidance throughout the submission and revision process until the editorial/review decision is communicated by the publisher or conference.

16. PUBLICATION ACCEPTANCE SUPPORT AND LIMITATIONS

Ecode Learning Software Services shall provide reasonable academic, technical and editorial support to improve the quality and submission readiness of manuscripts and to assist authors during the peer-review and revision process. However, publication acceptance, indexing, publication date and final editorial decisions are solely controlled by the respective conference, journal, publisher and independent peer reviewers. Ecode Learning Software Services shall not guarantee acceptance, publication or indexing of any manuscript.

The Parties acknowledge that IEEE publications follow peer-review processes and that acceptance decisions are made by the relevant conference or journal editorial/review process. Similarly, Scopus and Web of Science are indexing databases with their own coverage and selection policies; inclusion of a particular conference, proceedings or journal does not by itself guarantee that an individual paper will be indexed. Therefore, target publication details and indexing status should be verified before submission.

Where a manuscript is rejected, the Company may provide reasonable guidance for improving the manuscript and identifying an alternative suitable publication, subject to the authors' requirements and the applicable publication policies.

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17. RESEARCH ETHICS, ORIGINALITY AND AUTHORSHIP

- All manuscripts shall be based on genuine research, project results, experiments, simulations, analysis or other legitimate scholarly work.
- Students and faculty shall be responsible for the accuracy, originality and authenticity of the research content submitted under their names.
- Both Parties shall discourage plagiarism, duplicate submission, fabrication, falsification, manipulation of results, unethical authorship and other forms of research misconduct.
- Authorship shall be decided based on actual scholarly contribution and applicable institutional/publisher policies.
- A manuscript shall not be simultaneously submitted to multiple publications when prohibited by the target publisher or conference.

18. SIGNATORIES

Having agreed to the terms and conditions stated above, the authorized representatives of both Parties hereby sign this Memorandum of Understanding.

**FOR SIDDHARTHA INSTITUTE OF
TECHNOLOGY & SCIENCES**

Signature:

Name: Dr. M. Janardhan

Designation: Principal

PRINCIPAL
Siddhartha Institute of Technology & Sciences
Narapally (V), Ghatkesar (M),
Nizhal-Malkajgiri Dist-500088

Official Seal:

**FOR ECODE LEARNING SOFTWARE
SERVICES**

Signature:

Name: BHEEMREDDY PRASHANTH

Designation: Managing Director

Official Seal:



Place: Hyderabad

Date: 19-08-2026

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