



Launchpoint

BY MINDFORGEAI



CHATAKE INNOWORKS
PRIVATE LIMITED

INSTITUTIONAL ACADEMIC PROPOSAL

A semester with engineering substance.

Prepared for Nagesh Karajagi Orchid College of Engineering & Technology, Solapur
Proposed January 2027 learning + training cohort.

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A framework for learning, supervised practice
and individually defensible engineering work.

FOR THE PRINCIPAL AND ACADEMIC TEAM

A proposal for considered collaboration.

N. K. Orchid College of Engineering & Technology, Solapur

Respected Principal Sir or Madam,

We propose Launchpoint by MindForgeAI: a structured AI and engineering learning + training programme combining a 16-week common core with an optional four-week specialist extension. The objective is to help students move from isolated demonstrations to work they can reproduce, evaluate and defend.

The common core connects software foundations, mathematics, data investigation, machine learning, neural systems, language and generative AI, reliable software delivery, MLOps and research practice. A supervised capstone develops throughout the programme; individual evidence and a technical defence remain explicit.

This is a fee-based educational service with supervised project practice, not an employment or stipend offer. We request the Institution's written decision on whether the supervised component meets its internship or capstone requirements, and on the evidence and academic alternatives students will need, before financial commitment is sought.

We invite a planning meeting with the department, internship coordinator and Training and Placement Cell to confirm the eligible cohort, calendar, staffing, venue, recognition, assessment and student-support arrangements. The detailed curriculum and unsigned draft MoU support that discussion. Commercial amounts remain in a separate controlled schedule.

The proposed collaboration is not represented as an executed institutional tie-up. We would welcome an agreed pilot with clear responsibilities, proportionate scope and an evidence-led review of student outcomes.

Yours faithfully,
Programme Director
For Chatake Innworks Private Limited

Academic coordination: edusphere@chatakeinnworks.com



A COMMON CORE / A SPECIALIST CHOICE

Broad foundations. A definite piece of work.

42 coded course plans and 168 units describe the wider architecture. Twelve common-core courses are proposed for every learner; one specialist pathway may follow.

AI101 · MTH110 · DAT120

Foundation

Python, Linux, Git, mathematical reasoning, SQL, EDA, statistics and defensible data contracts.

ML201 · DL301 · NLP310 · AI320

Models and AI systems

Baselines, evaluation, neural representations, language systems, grounded retrieval and bounded tools.

MLO401 · MLO410 · RES420 · PRO430 · CAP490

Delivery and evidence

APIs, tests, Docker, CI, data/experiment lineage, scientific modelling, research and an individual capstone defence.

Curriculum status and adoption

Detailed plans and lab briefs are authored. Four smaller original modules and executed notebooks are available now. Complete course packs, instructor notes, datasets, answers and environment acceptance must be completed for the adopted delivery scope before offers.

A STAFFED, PRACTICAL DELIVERY MODEL

Clear time allocation. Protected mentoring.

Proposed shifts: 08:30–13:30 and 15:00–20:00, Monday–Friday. A learner attends one shift. Dates and examination adjustments require institutional approval.

The core attendance model

400 scheduled hours across 16 weeks include 26h40m of breaks. Productive time is 373h20m: 149h20m of guided learning and 224h of practical training/evidence. Each week allocates 18h45m to sequential courses and 4h35m to capstone development.

The specialist extension

Four optional weeks provide 100 scheduled hours and 93h20m productive time. One pathway selects two 24-hour specialist studios; the remaining 45h20m deepens the project. The wider specialist catalogue is not all delivered in a single cohort.

People and readiness

A Programme Director coordinates standards. Assigned Shift Faculty Leads, Lab/Research Mentors and Specialist Reviewers provide delivery and moderation. Roles are generic until appointments are confirmed. A proposed ceiling of 24 learners per shift is subject to funded staffing, facilities and a staffed rehearsal; it is not an installed-capacity claim.

Student support and access

A diagnostic and bridge route establish entry readiness. Academic review, remediation, accessibility arrangements and a private grievance route must be adopted. Publicity permission is separate from academic participation. Physical robotics and paid cloud resources require a specific approved scope.

A PORTFOLIO OF INDIVIDUALLY EVIDENCED WORK

The result is a defensible contribution.

Each project has a problem boundary, baseline, lawful data, an evaluation plan and a reproducible technical handover.

Project directions

Applied ML; source-grounded AI and bounded agents; vision and deep learning; simulated robotics and localisation; MLOps/platform engineering; scientific modelling and research. The final pathway depends on prerequisites, faculty, environment and institutional needs.

Proposed assessment

40% course labs and reviews, 40% capstone system and 20% individual defence. Completion gates proposed for adoption are 80% attendance, 60/100 overall, at least 50% in the defence, all required evidence and integrity/data-safety clearance. A remediation and appeal process must be agreed before enrolment.

Career and postgraduate preparation

Portfolio reviews, technical interview practice and M.Tech/PhD application orientation may support students' next steps. Selected ready learners may receive introductions where genuine employer opportunities exist. Hiring, admission and scholarship decisions remain independent.

Research and innovation support

Suitable work may receive literature, experiment, manuscript or exhibition preparation after a readiness review. All authors must approve a submission. Peer review, conference selection and database indexing are independently determined; no IEEE, Scopus, Web of Science or IIT tie-up or outcome is promised.



FROM DISCUSSION TO AN AGREED PILOT

Confirm the scope. Then open the cohort.

This proposal and the accompanying MoU are discussion editions. No institutional recognition, signed partnership, enrolment or payment authority is inferred.

- Identify the Institution's contracting legal entity, authorised signatory and nominated department/TPO contacts.
- Confirm eligible branches/year, academic calendar, credit/assessment requirements and a fair alternative route where recognition is unresolved.
- Agree the final coded curriculum, selected specialist pathway, facilities, devices, internet, accessibility and staffed supervision.
- Adopt learner terms, commercial/refund arrangements, project IP/data controls, research permissions and credential authority before fees are accepted.
- Complete original teaching packs, test the adopted environments and rehearse delivery and assessment.
- Validate secure admissions, private records, payment reconciliation and institutional reporting before production collection opens.

An agreed pilot, not a presumed commitment

The first formal checkpoint is a joint academic planning meeting. A signed final scope and controlled annexures should precede a public cohort announcement or any assertion of an institutional tie-up.



Institutional resource centre

launchpoint.mindforgeai.co.in/institutions/

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