25.08.26

NOTE

Date: 24.08.2026

Subject: Proposal for Conducting Three-Month Skill Development Courses under the Centre for Integrated Skill Development (CISD), NITTTR Kolkata

I respectfully submit for your kind consideration and approval a proposal to conduct **three-month Skill Development Courses** under the **Centre for Integrated Skill Development (CISD), NITTTR Kolkata**.

The proposed courses are designed to provide **industry-relevant knowledge, practical skills, and employability competencies** to ITI/10th/12th pass-outs, Diploma holders, and Industry Professionals. The courses will be conducted by experienced faculty members from the respective departments.

Key Details

- **Duration:** 3 Months
- **Registration Fee:** ₹3,000/- per participant per course
- **Advertisement Date:** 31 August 2026
- **Last Date of Registration:** 16 October 2026
- **Course Commencement:** 2 November 2026

Proposed Skill Development Courses

Sl. No.	Proposed Course	Department	Course Coordinator(s)
1	**CNC Machinist**	Mechanical Engineering	Dr. Nirmal Kumar Mandal & Dr. Arpan Kumar Mondal
2	**Electrician for Solar Energy Systems & Installation**	Electrical Engineering	Prof. S. K. Mandal
3	**Python Programming with Machine Learning Applications**	Computer Science & Engineering	Dr. Jagaddesh & Prof. Chandan Chakraborty
4	**Professional Skills for Workplace Readiness**	Technical Education & Management	Dr. Habiba Hussain
5	**Developing Managerial Skills**	Technical Education & Management	Prof. S. K. Naskar
6	**Industry-Oriented Structural Analysis and Design**	Civil Engineering	Dr. Mithu Dey
7	**Environmental Impact Assessment (EIA) Skills for Young Learners**	Civil Engineering	Dr. K. R. Singh

The proposed initiative is in line with the objectives of **CISD** and will contribute towards **employability enhancement, industry readiness, upskilling, reskilling, and lifelong learning**. It will also provide an

25/08/26

opportunity to extend the expertise and training capabilities of NITTTR Kolkata to a wider group of learners and industry professionals.

In view of the above, approval is kindly solicited for:

- **Conducting the above-mentioned three-month Skill Development Courses under CISD** as per the proposed schedule; and

Submitted for your kind consideration and approval, please.

25/8/2026

Prof Naveen BP
Coordinator, CISD

Recommended
25/08/26

DFAA

Director 27.08.2026

NATIONAL INSTITUTE OF TECHNICAL TEACHERS' TRAINING & RESEARCH
KOLKATA
(Ministry of Education, Government of India)

CISD
CENTRE FOR INTEGRATED SKILL DEVELOPMENT

THREE-MONTH SKILL DEVELOPMENT COURSES

Under the Centre for Integrated Skill Development (CISD)

Industry-relevant knowledge and practical skills for ITI/10th/12th pass-outs, Diploma holders, and Industry Professionals.

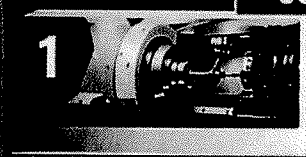
DURATION
3 MONTHS

REGISTRATION FEE
₹ 3,000/-
Per Participant Per Course

- Industry Relevant Skills
- Hands-on Practical Training
- Enhance Employability
- Certificate of Completion
- Learn from Experienced Faculty
- Career Growth

COURSES STARTING FROM: NOVEMBER 2ND, 2026

COURSES OFFERED



1. **CNC Machinist**
   Dr. Nirmal Kumar Mandal
   Dr. Arpan Kumar Mondal
   — Mechanical Engineering

2. **Electrician for Solar Energy Systems & Installation**
   Prof. S. K. Mandal
   — Electrical Engineering

3. Python Programming with Machine Learning Applications
   Dr. Jagadeesh M. S.
   Prof. Chandan Chakraborty
   — Computer Science & Engineering

4. **Professional Skills for Workplace Readiness**
   Dr. Habiba Hussain
   — Technical Education & Management

5. Industry-Oriented Structural Analysis and Design
   Dr. Mithu Dey
   — Civil Engineering

6. **Environmental Impact Assessment (EIA) Skills for Young Learners**
   Dr. K. R. Singh
   — Civil Engineering

7. **Developing Managerial Skills**
   Prof. S. K. Naskar
   — Technical Education & Management

TARGET PARTICIPANTS
- ITI Pass-outs
- 10th / 12th Pass Students
- Diploma Holders
- Industry Professionals

WHY CHOOSE CISD, NITTTR KOLKATA?
- Quality Training by Expert Faculty
- Practical & Industry-Oriented Learning
- Access to Advanced Facilities
- Certification from a Premier Institute

EMPOWER YOUR FUTURE
UPGRADE YOUR SKILLS.
ENHANCE YOUR CAREER.
BUILD A BETTER TOMORROW.
LIMITED SEATS – ENROLL NOW!

FOR INFORMATION CONTACT
Prof. Naveen B. P.
CISD Coordinator

9916232349
cisd@nitttrkol.ac.in
naveen@nitttrkol.ac.in

REGISTRATION LINK
https://www.nitttrkol.ac.in/cisd.php#top
Visit the link to register and know more about the courses.

Naveen B. P. <naveen@nitttrkol.ac.in>

Submission of Skill-Oriented Course Proposals under the Centre for Integrated Skill Development (CISD) by 17 July 2026

Naveen B. P. <naveen@nitttrkol.ac.in> Fri, Jul 10, 2026 at 11:23 AM
To: head@nitttrkol.ac.in, "Prof. Chandan Chakraborty" <chandan@nitttrkol.ac.in>, Subrata Mondal <subratamondal@nitttrkol.ac.in>, Sagarika Pal <sagarikapal@nitttrkol.ac.in>, K Venkata Rao <kvenkata@nitttrkol.ac.in>
Cc: DFAA NITTTR Kolkata <dfaa@nitttrkol.ac.in>, "PG CELL NITTTR, KOLKATA" <pgcell@nitttrkol.ac.in>, "Dr. Arpan Kumar Mondal, Asst. Professor, ME, NITTTR Kolkata" <arpan@nitttrkol.ac.in>

Dear All,

As discussed during yesterday's HoD meeting, you are requested to develop and submit **Skill-Oriented Course Proposals** under the **Centre for Integrated Skill Development (CISD)**.

With rapid advancements in technology and the evolving needs of industry, there is an increasing demand for competency-based, industry-oriented, and outcome-driven skill development programmes. Through CISD, NITTTR Kolkata aims to offer high-quality training programmes that enhance employability, promote lifelong learning, strengthen industry–institute collaboration, and contribute to national skill development initiatives. This initiative is well aligned with the Vision and Mission of NITTTR Kolkata in creating a skilled, innovative, and future-ready workforce.

Each department is requested to submit a **minimum of two skill-oriented courses**, along with the names of the faculty members who will coordinate and deliver them. The proposed courses may be designed for **1-month, 3-month, or 6-month durations**, depending on the scope of the programme and industry requirements.

The courses should be designed to cater to the needs of:

- **ITI graduates**
- **10th pass students**
- **12th pass students**
- **Diploma students**
- **Industry professionals seeking skill upgradation and continuing professional development**

While designing the courses, kindly ensure the following:

- **60% Practical** and **40% Theory**
- Clearly define the course objectives, learning outcomes, duration, contact hours, module-wise syllabus, practical components, and assessment methodology.
- Emphasize hands-on training, industry relevance, emerging technologies, innovation, entrepreneurship, and sustainable development.
- Where appropriate, align the course content with current industry practices and national skill development requirements.

Kindly submit the completed course proposals in the prescribed format **on or before 17 July 2026** to facilitate timely review, approval, and inclusion in the CISD course portfolio.

Course Proposal Format

Sl. No.	Particulars
1	Department
2	Course Title
3	Course Duration (1 Month / 3 Months / 6 Months)
4	Target Participants (ITI/10th/12th/Diploma/Industry Professionals)
5	Total Contact Hours
6	Course Coordinator
7	Faculty Members
8	Course Objectives
9	Course Outcomes
10	Theory Hours (40%)
11	Practical Hours (60%)

12 Module-wise Syllabus with Hours
13 Practical/Laboratory Components
14 Software/Equipment/Infrastructure Required
15 Assessment & Evaluation Method
16 Industry Relevance / Career Opportunities

Your timely support and valuable contributions are highly appreciated. We look forward to receiving innovative and industry-relevant course proposals that will strengthen the activities of the **Centre for Integrated Skill Development (CISD)** and expand the institute's outreach in skill development, capacity building, and professional training.

॥ जय हिन्द ॥

Thanks & Regards,

****

Dr. Naveen B. P.
B.E. (UVCE) | M.Tech (NITK) | M.S. (IISc) | Ph.D. (IISc) | CEng | LMIGS | LIE
Professor & Head, Department of Civil Engineering
Nodal Officer, NCVET
National Institute of Technical Teachers' Training & Research, Kolkata
(Ministry of Education, Government of India)
Block–FC, Sector–III, Salt Lake City, Kolkata – 700106, India

Mobile: +91-9916232349
Tel: +91-33-66251920
Email: naveen@nitttrkol.ac.in | bp.naveen864@gmail.com

Web: Google Site | Google Scholar | ResearchGate

"Your positive action combined with positive thinking results in success."

****

Naveen B. P. <naveen@nitttrkol.ac.in>

Proposal for a Skill-Oriented Course under the Centre for Integrated Skill Development (CISD)

Kunwar Raghvendra Singh <kunwar@nitttrkol.ac.in> Mon, Jul 20, 2026 at 10:42 PM
To: "HoD, Civil Engineering" <hodce@nitttrkol.ac.in>
Cc: Mithu Dey <mdey@nitttrkol.ac.in>, Sailendra Nath Mandal <snmandal@nitttrkol.ac.in>, "Naveen B. P." <naveen@nitttrkol.ac.in>

Course Title: Environmental Impact Assessment (EIA) Skills for Young Learners

Target Participants

- Students who have passed Class 10
- Students who have passed Class 12 (10+2)
- Beginners interested in environmental careers
- School leavers seeking industry-relevant skills

Course Duration

30 Days (120 Hours)

- Theory: **40 Hours**
- Practical/Laboratory: **50 Hours**
- Field Visit & Industrial Exposure: **20 Hours**
- Project Work & Assessment: **10 Hours**

Course Objectives

The course aims to:

1. Develop basic knowledge of environmental protection, sustainability, and Environmental Impact Assessment (EIA).
2. Familiarize learners with environmental components such as air, water, soil, noise, biodiversity, and waste management.
3. Build practical skills in environmental monitoring, sample collection, and basic environmental testing.
4. Introduce learners to the process of conducting Environmental Impact Assessments for developmental projects.
5. Train students in identifying environmental impacts and suggesting appropriate mitigation measures.

Course Outcomes

After successful completion of the course, learners will be able to:
CO1: Explain the importance of environmental protection and sustainable development.
CO2: Identify major environmental components and recognize common sources of pollution.
CO3: Conduct basic environmental monitoring including air, water, soil, and noise observations.
CO4: Collect environmental samples using standard field procedures.

Tentative Course Modules

Module 1: Introduction to Environment and Sustainability
Module 2: Fundamentals of Environmental Impact Assessment
Module 3: Environmental Pollution and Monitoring Skills
Module 4: Environmental Sampling and Laboratory Skills
Module 5: Waste Management and Pollution Control
Module 6: Environmental Laws
Module 7: Industry Exposure and Mini EIA Project

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Naveen B. P. <naveen@nitttrkol.ac.in>

Submission of Skill-Oriented Course Proposals under the Centre for Integrated Skill Development (CISD) by 17 July 2026

Sagarika Pal <sagarikapal@nitttrkol.ac.in> Thu, Aug 13, 2026 at 3:54 PM
To: "Naveen B. P." <naveen@nitttrkol.ac.in>
Cc: Soumitra Kumar Mandal <skmandal@nitttrkol.ac.in>, Subrata Chattopadhyay <schattopadhyay@nitttrkol.ac.in>, Gayadhar Panda <gayadhar@nitttrkol.ac.in>, Sheela Yadav Rai <sheelayadavrai@nitttrkol.ac.in>, Papia Ray <papiaray@nitttrkol.ac.in>

Dear Prof. Naveen,
Please see the attached "Skill-Oriented Course Proposal under the Centre for Integrated Skill Development (CISD)" from Electrical Engg. Dept. The proposal has been prepared by **Prof. S. K. Mandal.**
Course Co-ordinator: Prof. S. K. Mandal
Regards
S. Pal
HoD EE Dept.

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Course Proposal_new_course_Electrician 13.08.2026.pdf
575K

Naveen B. P. <naveen@nitttrkol.ac.in>

Submission of Skill-Oriented Course Proposals under the Centre for Integrated Skill Development (CISD) by 17 July 2026

JAGADEESH M S <jagadeesh@nitttrkol.ac.in> Thu, Jul 23, 2026 at 3:30 PM
To: "Naveen B. P." <naveen@nitttrkol.ac.in>
Cc: "Prof. Chandan Chakraborty" <chandan@nitttrkol.ac.in>, Kallol Modak <kallol.modak@nitttrkol.ac.in>

Dear Professors,

Here I am proposing one **Skill-Oriented Course Proposal "Python Programming with Machine Learning Applications"** under the **Centre for Integrated Skill Development (CISD)**.

As per format, here I am attaching the file for your reference.

On Fri, Jul 10, 2026 at 3:36 PM Kallol Modak <kallol.modak@nitttrkol.ac.in> wrote:

Dear Sir,

As directed, the trailing email is forwarded for your kind perusal.

Thanks and Regards,

Kallol Modak

---------- Forwarded message ---------
From: **Prof. Chandan Chakraborty** <chandan@nitttrkol.ac.in>
Date: Fri, Jul 10, 2026 at 12:38 PM
Subject: Fwd: Submission of Skill-Oriented Course Proposals under the Centre for Integrated Skill Development (CISD) by 17 July 2026
To: Kallol Modak <kallol.modak@nitttrkol.ac.in>

Pls circulate to all CSE faculty.
Thanks

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Thanks & Regards,

Dr. Jagadeesh M S,
(B.Tech-JNTU Hyderabad, M.Tech-Andhra University, Ph.D-NIT Tiruchchirapalli.)
Associate Professor, Computer Science & Engineering,
National Institute of Technical Teachers' Training & Research (NITTTR), Kolkata
(Under Ministry of Education (MoE), Govt. of India)
Block - FC, Sector - III, Salt Lake City, Kolkata - 700106, India
Telephone: 033- 6625 1954
Email: jagadeesh@nitttrkol.ac.in, malla.sree@gmail.com

Naveen B. P. <naveen@nitttrkol.ac.in>

Submission of Skill-Oriented Course Proposals under the Centre for Integrated Skill Development (CISD) by 17 July 2026

Subrata Mondal <subratamondal@nitttrkol.ac.in> Thu, Aug 13, 2026 at 6:21 PM
To: naveen@nitttrkol.ac.in
Cc: Nirmal Kumar Mandal <nkmandal@nitttrkol.ac.in>, "Arpan Kumar Mondal, Asst. Professor, ME, NITTTR Kolkata" <arpan@nitttrkol.ac.in>, Sofiul Anam <sofiul.anam@nitttrkol.ac.in>

Sir,
Please find the attachment for the course proposal. Kindly do the needful.

Thank you and best regards
Subrata Mondal

---------- Forwarded message ---------
From: **Nirmal Kumar Mandal** <nkmandal@nitttrkol.ac.in>
Date: Thu, Aug 13, 2026 at 4:40 PM
Subject: Re: Submission of Skill-Oriented Course Proposals under the Centre for Integrated Skill Development (CISD) by 17 July 2026
To: Subrata Mondal <subratamondal@nitttrkol.ac.in>
Cc: Sofiul Anam <sofiul.anam@nitttrkol.ac.in>

Dear Prof. Mondal
A proposal for the NCVt course is attached herewith for onward transmission
Thanking you,
(Nirmal Kumar Mandal)

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CNC Machinist 13.08.26.docx
102K

Naveen B. P. <naveen@nitttrkol.ac.in>

Skill course development

Mithu Dey <mdey@nitttrkol.ac.in> Wed, Jul 15, 2026 at 3:31 AM
To: "Naveen B. P." <naveen@nitttrkol.ac.in>, Sailendra Nath Mandal <snmandal@nitttrkol.ac.in>, Mithu Dey <mdey@nitttrkol.ac.in>, Kunwar Raghvendra Singh <kunwar@nitttrkol.ac.in>

Skill development program:

1. **Industry-Oriented Structural Analysis and Design**

Duration: 3 Months (12 Weeks)

Rationale

The construction and infrastructure sectors require civil engineers who possess not only theoretical knowledge but also practical skills aligned with industry standards. Many graduates face challenges in transitioning from academic learning to professional practice due to limited exposure to design software, engineering standards, and real-world projects. **Industry-Oriented Structural Analysis and Design** is designed to bridge this gap by providing intensive hands-on training in structural design, analysis, drafting, and project execution. The program equips participants with the competencies needed to meet industry expectations and pursue successful careers in structural engineering.

Objectives

- To provide participants with practical, industry-oriented skills in structural engineering.
- To develop competency in structural analysis and design of reinforced concrete (RCC) and steel structures.
- To train participants in the use of industry-standard software such as ETABS / STAAD.Pro.
- To enhance knowledge of relevant Indian Standards (IS Codes), construction practices, and quality control.
- To improve employability by developing technical, analytical, and professional skills required in the structural engineering industry.

---------- Forwarded message ---------
From: **Kunwar Raghvendra Singh** <kunwar@nitttrkol.ac.in>
Date: Wed, Jul 15, 2026 at 12:56 PM
Subject: Re: Skill course development
To: Mithu Dey <mdey@nitttrkol.ac.in>

1. Municipal Solid Waste Management
2. Environmental Impact Assessment (EIA)
3. ESG (Environmental, Social, and Governance) Reporting
4. Water Quality Monitoring and Analysis

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Naveen B. P. <naveen@nitttrkol.ac.in>

Submission of Skill-Oriented Course Proposals under the Centre for Integrated Skill Development (CISD) - reg.

Habiba Hussain <habiba.hussain@nitttrkol.ac.in> Wed, Jul 22, 2026 at 5:09 PM
To: "Naveen B. P." <naveen@nitttrkol.ac.in>
Cc: K Venkata Rao <kvenkata@nitttrkol.ac.in>

Dear Sir,
In context of the subject above, I am proposing a 3-month certificate programme related to Employability Skills from the Department of Technical Education & Management.
The detail is being attached here.
Thanks & regards,
Habiba Hussain

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Course Proposal.doc
32K