

7TH ONLINE CERTIFICATE COURSE

C-DAC, Kolkata is a R&D organization of the Ministry of Electronics and Information Technology (MeitY), Government of India in the area of IT and Electronics. As an institution for high-end Research and Development (R&D), C-DAC, Kolkata has been at the forefront of the Information Technology (IT) revolution, constantly building capacities in emerging/enabling technologies and innovating and leveraging its expertise, calibre, skill sets to develop and deploy IT products and solutions for different sectors of the economy, as per the mandate of its parent (MeitY), ICT & Services Group at C-DAC Kolkata is engaged in Research, Development and Engineering projects. The group also executes projects on advanced ICT services. Advanced ICT training courses under "Advanced Computing Training School" (ACTS) are also managed by this group. All the activities of this group are aimed to develop and use ICT expertise towards building e-Society of the future.

1. Cyber Security and Ethical Hacking

Linux Operating System in Detail, Introduction to Vulnerabilities, Introduction to EH and Information Gathering Techniques, Scanning and Enumerating, Vulnerability Scanning, Hacking and Exploitation, SOC, Introduction to Web Security attack, Desktop Security. Pen-testing Report preparation with project evaluation.



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2. Application of IoT in Agriculture

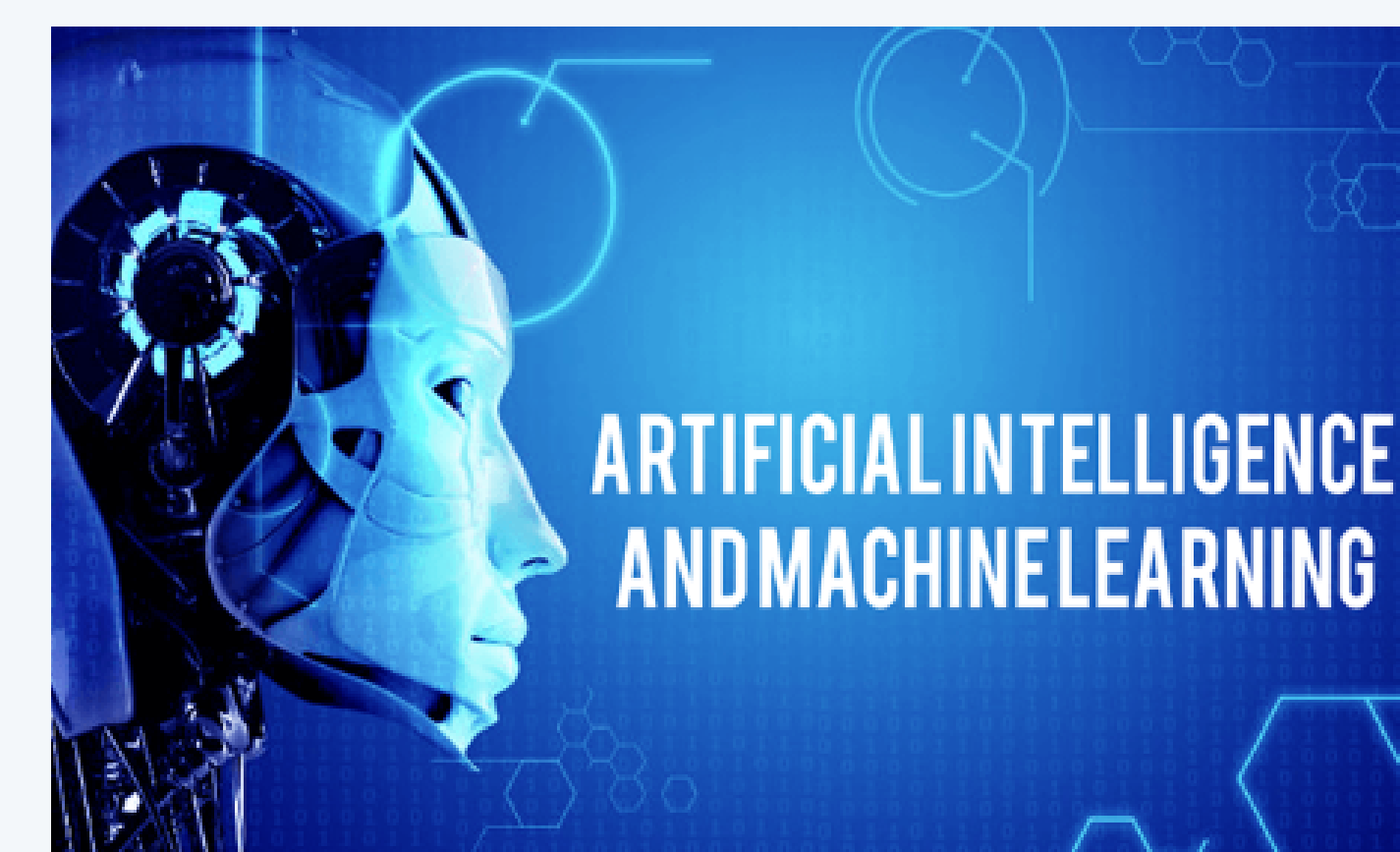
Introduction to IoT in Agriculture, Sensors and Actuators, Microcontrollers and Communication Protocols, Data Collection and Cloud Storage, Case Studies and Final Project.

3. Introduction to Artificial Intelligence and Machine Learning using Python

Introduction to Basic Python Programming, Fundamental of Artificial Intelligence, Practical Machine Learning, Deep Learning and Generative AI, Natural Language Processing and Image Processing, Project Work/Case Study.



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4. Computational Linguistics using Python

Introduction to Language and Linguistics, Advanced Linguistics concepts, Application and Challenges of Computational Linguistics, Introduction to Python Programming, Computational Linguistics using NLP tools.

5. Industrial Robotics

Introduction to Robotics, Robotic Subsystems, Mechanical CAD Design, Motion Planning, Basic of AI, Project.



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6. Biosensor & Bioelectronics Systems

Introduction to biosensor & bioelectronic, Bioreceptor types & details, Signal transduction mechanism, Surface modification & Introduction to nanotechnology, Data analysis of biosensor, Device fabrication & web application development, Application of biosensor, IP Protection, commercialization, Start-up opportunity, Project-Related Discussion work



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STARTING DATE OF COURSE : 10 TH JUN 2025

LAST DATE OF REGISTRATION : 08 TH JUN 2025



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7. Cloud Computing with Practicals

Introduction to Cloud Computing & Cloud Architecture, Service Models: IaaS & Hands-on, Service Models: PaaS, Hands-on with PaaS using Google app engine, Service Models: SaaS, Use Case Analysis, Overview of AWS, Hands-on with AWS, Overview of Microsoft Azure, Hands-on with Azure, Cloud Security and Compliance, Cloud Monitoring Tools, Final Practical Assessment, Industry Applications and Future Trends, MCQ Test and Q&A

Eligibility Criteria

1. Knowledge of Computing Fundamentals and Fundamentals of Programming is essential.

2. Applicants (completed/on-going) should have either a four-year undergraduate degree in engineering / Master's Degree in Mathematics / Physics / Statistics / MBA (Systems) / MCA / DOEACC (A/B/C) level/ B.Sc., M.Sc.

(or)

Applicants with Post Graduation in Engineering or Science or Management or Computer related streams (completed/ongoing) can also apply.

3. Students pursuing any degree and having basic knowledge of computer.

4. Students who are 12th or Diploma Pass.

5. There is no age restriction for admission to C-DAC's Certificate courses.

6. Admission is on First come First Serve Basis

7. Only Indian Citizen can apply

Have Your Laptop/ Desktop with Minimum 8GB RAM/512 GB HDD configuration to attend online classes for All the Courses

Cyber Security and Ethical Hacking

Course duration : 72 Hours / 6 weeks
Course Fees: ₹6000 + 18 % GST = ₹7080
Instructor Name: Shri Sangam Kumar Chaturvedi
Email ID : sangam.chaturvedi@cdac.in

Application of IoT in Agriculture

Course Fees: ₹4500+ 18 % GST = ₹5310
Course duration : 50 Hours / 6 weeks
Instructor Name : Shri Sangit Saha
Email ID : sangitsaha@cdac.in

Industrial Robotics

Course duration : 50 Hours / 6 weeks
Course Fees: ₹4500+ 18 % GST = ₹5310
Instructor Name : Shri Varun Shrotri
Email ID : varun.shrotri@cdac.in

Cloud Computing with Practicals

Course duration : 50 Hours / 6 weeks
Course Fees: ₹4500+ 18 % GST = ₹5310
Name of the Instructor : Shri. Soumen Debgupta
Email ID: soumen.debgupta@cdac.in

Introduction to Artificial Intelligence and Machine Learning using python

Course duration : 72 Hours / 6 weeks
Course Fees: ₹6000 + 18 % GST = ₹7080
Instructor Name : Shri Bibekananda Kundu
Email ID : bibekananda.kundu@cdac.in

Computational Linguistics using Python

Course duration : 72 Hours / 6 weeks
Course Fees : ₹6000 + 18 % GST = ₹7080
Instructor Name : Smt Barnali Pal
Email ID: barnali.pal@cdac.in

Biosensor & Bioelectronics Systems

Course duration : 50 Hours / 6 weeks - 8 weeks
Course Fees: ₹4500+ 18 % GST = ₹5310

Instructor Name : Shri. Subhankar Mukherjee
Email ID : subhankar.mukherjee@cdac.in

Instructor Name : Shri. Souvik Pal
Email ID : souvik.pal@cdac.in

“Selected students upon the completion of course will be offered for unpaid free internship at CDAC Kolkata for 3 months.”

Online Course Fees | scan QR for payment

Pay to CDAC Kolkata account (or) BHIM app

Account Number- 31924088646

Account Name:- CDAC, KOLKATA-TRAINING

Branch:- SALT LAKE ELECTRONIC COMPLEX BR

IFSC Code:- SBIN0009985



Important Notes :

1. C-DAC Kolkata reserves the right to cancel any course in case of insufficient registration.
2. In all matters concerning admissions, the decision of C-DAC Kolkata shall be final and binding on all the candidates registered or about to be registered to the courses.
3. 70% attendance is must for any course for getting certificate.
4. Selected student (/s) upon the completion of course will be offered unpaid free Internship for 3 Months, as per C-DAC, Kolkata norms.
5. Fees once Paid is not refundable.
6. After registration and fees payment, a confirmation email need to be sent to respective email-ID course coordinator.
7. Classes will be on working hours (weekdays).
8. Students appearing the final exam will only be awarded with the certificate.
9. Any changes to the date and time of the commencement of online courses will be determined by CDAC Kolkata and communicated to the candidates accordingly.

Step by Step process for registering to courses :

- Step1: Choose your interested course.
- Step2: Check for criteria (contact if any query).
- Step3: Pay the course fee (Via Bank online or BHIM UPI).
- Step4: Open the google form against respective course.
- Step5: Enter required details (transaction detail, etc....).
- Step6: Mail the registration details to respective email-ID against the course coordinator.
- Step7: Wait for the confirmation communication from C-DAC.



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Information

“Last Date of Online payment and registration: - 08 Jun 2025.”

*** Enter the transaction details after payment.**

****Admission form will be processed only after confirmation of course fee received.**