



CENTRAL TOOL ROOM & TRAINING CENTRE, BHUANESWAR



Ministry of Micro, Small and Medium Enterprises
Government of India

COURSE BROCHURE

ADVANCED CERTIFICATE COURSE IN SOFTWARE AND APPLICATION (ACCSA)

MSME Tool Room Bhubaneswar (Central tool Room & Training Centre) established in the year 1991, Today stands as the premier Tool Room & Training Centre in India. Under the Technical Co- operative programme between Government of India and Govt. of Denmark the Centre was established as a Govt. of India Society. The management of affairs of the Centre rests with the Governing Council constituted by Govt. of India. Additional Secretary & Development Commissioner (MSME), Govt. of India, is the President of the Society & Chairman of the Governing Council.

MSME Tool Room – Bhubaneswar is on the way of achieving its set goal with its extension Centre at Rayagada and Kalinga nagar, Odisha. It believes its bench marking its standards not only against the tool room and training centers in India and the world. The zeal and experience and commitment of employees has been pushing the Centre to achieve the greater height of quality industry oriented training programs for different levels and different discipline students and production of highly precision components for tool and die making, automobile and aerospace components.

COURSE OBJECTIVES:

Prepare trainees who will be successful & professional in industry, government, academics, entrepreneurial pursuit & consulting firm and apply knowledge of Computer Science.

DURATION: 6 Months (6 hrs/day)

Mode of Selection: First come First Serve Basis

Course Fees: 22000/- (In two installments)

Eligibility Criteria: Diploma/Degree/Any Graduate/Any Stream

UNIFORM:

The candidates will have to get uniforms, dress stitched at their own cost as per the color & design specified by the center.

DETAILED COURSE PLAN FOR THE 6 MONTHS:

| COURSE NAME | CONTENTS (CHAPTERS/TOPICS) |
|---------------------|--|
| C | Introduction to C, Key words, Identifiers, and variables, Expression and Statements, Selection Statements with control Logic, Program flow or looping., Arrays, Functions, Structure & Union, Pointer, Dynamic Memory allocation, IO and File Handling |
| C++ | Introduction, C++ Fundamentals, Control Statements, Derived Data types, User Defined Data types, Modularization Using Functions, Encapsulation, Inheritance, Polymorphism, Templates & Namespace, File Handling, Exception Handling |
| CORE JAVA | Introduction to java and oops, Getting started with java, Control statements and looping, Class and object, Array in java, Methods in java, inheritance, Package in java, Exception handling, String in java, Multithreading, File and io |
| ORACLE | Introduction to Oracle(SQL, PL/SQL), DML, DDL, DCL, SELECT Statements, Constraints, Views, Oracle Function, Join Operation |
| HTML | Introduction to HTML , HTML Tags , Creating Forms , Creating tables , Managing home page |
| CSS | Introduction to CSS , Three ways to use CSS , CSS Properties , Designing website , Working with Templates |
| JAVASCRIPT | Introduction to JavaScript, Declaration, Syntax, Data type, Operators, Function in JavaScript, Event Handling, Form Validation |
| ADVANCE JAVA | JDBC, Eclipse IDE JSP, SERVELET, JSTL (Java Standard Tag Library), Java Transaction Service (JTS), Java Transaction Api (JTA), JAVA MAIL API, Use of Local Server TOMCAT |
| PROJECT WORK | Mini Project based on J2EE Framework |

CERTIFICATION:

After successful completion of training main certificate with grade, mark sheet & project certificate will be issued separately to the trainees.

PLACEMENT HELP:

CTTC placement cell will make efforts to contact & invite companies to conduct campus interviews; however, no guarantee can be given for placement/employment. Interested trainees can be registered by paying ₹3,000/- each towards placement registration at start of the programme and in case of trainee is not successful from getting placement he/she may be refunded ₹2,000/-.

GENERAL RULES & REGULATIONS FOR TRAINEES:

- CTTC reserves the right to reject any application without assigning any reason. Incomplete applications are liable to be rejected.
- Registration Fee is Non Refundable, in case any candidate cancels his admission for any reason.
- Course Fee once paid will not be refunded & Registration/ Course Fee is not transferrable.
- Insurance & other charges as specified for the course to be paid but the trainee in addition to the course fee as applicable.
- All the trainee will be ensure discipline within the campus.
- Trainee shall be required to wear uniform & shoes as prescribed by the institute and possess I-Card compulsory during training.
- Mobile Phones, Pen Drives, CD any other related items are not permitted inside CTTC premises.
- Regular attendance will have to be maintained by the trainee as per course schedule & 80% attendance is compulsory in all subjects individually.
- Trainees will abide by the examination rules and regulations displayed on Notice Board of CTTC and as amended.
- Leave without information/ permission will not be entertained.
- Trainees going on leave or home during vacation should inform course coordinator compulsorily.
- No trainee shall be organize/ conduct any meeting within the campus.
- The Machines/ Equipment/ Furniture must be handled carefully. No act of damage to CTTC property shall be carried out by the trainee, any loss or damage to property, including water & electricity usage.
- Smoking & chewing tobacco, possessing or drinking alcoholic beverages in any form is strictly prohibited within CTTC premises.
- Ragging is strictly prohibited in the premises.
- Writing any Comment/ Remarks/ Name on doors, walls, toilet, and notice board is strictly prohibited.
- Violation of above & any other Rules, Regulations, Disciplines and Conduct are liable for disciplinary action.