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# DOEACC SOCIETY KOLKATA CENTRE

*(Formerly Regional Computer Centre, Calcutta)*

**A Leading IT Training (Non-formal Sector) and Solution Provider**



**Jadavpur University Campus  
Kolkata 700 032**

(An Autonomous Body of Department of Information Technology,  
Ministry of Communications & Information Technology, Government of India )

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## BACKGROUND

DOEACC Society, Kolkata Centre (erstwhile Regional Computer Centre, Calcutta) was founded in 1976 primarily to encourage, promote and disseminate knowledge on all aspects of IT, design & improve standards and to provide consultancy support in software, hardware and communication technologies. On merger in December 2002, the Centre has become a part of DOEACC Society, a leading institute dedicated in generating quality manpower in the filed of Information, Electronics and Communication Technologies (IECT) for non-formal sector. DOEACC Society, having its Headquarters in New Delhi, is an autonomous body under Department of Information Technology, Ministry of Communications & Information Technology (MCIT), Govt. of India. Apart from Kolkata, there are 9 other such centers across the country, at Aizawl, Aurangabad, Calicut, Chandigarh (Delhi, Simla & Lucknow), Gorakhpur, Imphal, Kohima, Srinagar (Jammu), and Guwahati (Tezpur).

The DOEACC Society, Kolkata Centre, has played a pioneering role in spreading computer literacy and IT culture by virtue of its being in the IT field for more than three decades. With the fast changing scenario, the Centre has adapted to the latest technologies and skills to retain its position among the top IT training and solution providers in the country. The Centre offers excellent professional environment. The Center's alumni are placed all over the world, may be holding important positions in blue chip companies as well as Government bodies. Our vision is to make the Centre globally visible for IT excellence.

An increasing number of business, government and educational institutions have been recognizing the benefits of a relationship with the Centre by virtue of its proven track record and long standing experience in IT Field.

Strength of the Centre lies in its –

- ❑ experienced and highly qualified IT professionals
- ❑ adapting state-of-the-art technology continuously
- ❑ fully equipped education and training facility
- ❑ quality software development & implementation
- ❑ data communication and networking facilities

that retains its position as a premier total IT training and solution provider.

The Centre is committed for providing a complete learning environment to our students to equip them with ideas and skills which can provide the leverage and the power to meet the challenges in the borderless business World of tomorrow. The Curriculum, teaching pedagogy, use of IT facilities are constantly benchmarked and updated. The Centre is focused to meet the needs of the students and the employers.

## COMPUTING INFRASTRUCTURE

The Centre is equipped with an impressive infrastructure in respect of computer hardware, software and networking facilities keeping pace with the international standards.

## Hardware

Following machines are in operation :

- ❑ 10 Pentium / Xeon Servers with more than 60 terminals & nodes under UNIX / LINUX / NT environment.
- ❑ 50 Pentium Workstations.
- ❑ 100 Personal Computers geared up with latest configurations.
- ❑ 2 Line Printers & Number of Laser Jet & DeskJet Printers.
- ❑ 2 Heavy Duty Scanners.
- ❑ Several Laptops and Multimedia Projectors.
- ❑ Digital Camera, Handicam, Wide-screen TV and DVD Player.

## Software

Some of the important software packages installed are :

- ❑ **UNIX / LINUX. Windows NT, Windows 98 / 2000 / XP**
- ❑ Office Automation Tools like **MS Office, FACT, TALLY**, etc.
- ❑ Database Servers : **Oracle / SQL Server, MYSQL**, etc.
- ❑ Development Tools : **Visual Basic, Jdeveloper**, etc.
- ❑ Engineering Design Tools : **AutoCAD / AutoLISP**, etc.
- ❑ ASP & JSP Suites
- ❑ Animation & Multimedia development stuff
- ❑ e-Learning Tool : **LMS & LCMS**
- ❑ Bio-Informatics Application Software : **GENOCLUSTER EXOME-ED Suite**



## Communication Facility

A Leased line connectivity from VSNL and a Broad-Band connectivity from BSNL are available, without any limit, to all the Centres' professionals and desirous students for faster access to Internet. Video Conferencing facility is being planned by the Centre to keep close contact with Headquarters in Delhi, other Centres of DOEACC Society across the country and also with other Government agencies especially offices / bodies under Department of Information Technology, Govt. of India. The Centre also has plan to host e-Learning contents at least on a few IT topics, with a view to bring learning to people by leveraging various Internet and Web technologies.

## TECHNICAL MANPOWER

The Centre has a team of 100 (approx.) qualified and highly experienced IT professionals in diverse fields of specialization ranging from 1 to 25 years. To keep abreast with the fast changing fields of IT, the Centre inducts from the Industry & Education sectors, experts as advisers specializing in these disciplines. These specialists provide back-up support for making the Centre's operation more effective. A multi-disciplinary group consisting of experts in relevant fields and computer professionals handles the projects. Besides, the Centre has also an enlisted panel of competent professionals who are appointed as project-tide basis depending on the skill level, requirement and complexity of the assignments.

## EDUCATION & TRAINING

The Education & Training Wing of the Centre, operating since 1978, reflects a rich mixture of innovation and tradition. Special features include experienced and highly qualified teachers, well-balanced syllabi, high teacher-student ratio, abundance of teaching time and individual attention. Each year more than 1000 students obtain their certificates and more than 70% later find gainful placement.

Regular training schedule includes beginners and advanced courses, both long & short term ones.

### Long-term Courses

Long-term courses organized by the Centre are DOEACC 'O', 'A' & 'B' Level courses on IT and 'O', 'A' & 'B' Level DOEACC Courses on **Bio-Informatics**. West Bengal University of Technology has agreed to provide **M. Sc.** Degree to the DOEACC – BI 'B' Level qualifiers of DOEACC Society. The Centre has also started Training on **Hardware & Networking** ; as per DOEACC 'O' & 'A' Level syllabus, through own courses as well as through franchise scheme with a view to meet the fast growing hardware maintenance requirement of districts in West Bengal and its neighbouring states.



### Short-term Courses

Several short-term courses are being organized throughout the year in the following categories :

- ❑ Course on Computer Concepts, '**CCC**' as per **DOEACC Syllabus**.
- ❑ Preliminary Courses on Internet, IT Concept, Office Automation, etc.
- ❑ Intermediate Courses on Multimedia, Web-based Technologies (**ASP & JSP**), etc.
- ❑ Intermediate Level Courses on Database Technologies, MIS/DSS, SSAD, etc.
- ❑ Open source software like **LINUX, MySQL, OPEN OFFICE**, etc.
- ❑ Application Packages like, **AutoCAD /AutoLisp, FACT/TALLY**, etc.
- ❑ Advance Level Courses on **ORACLE, GIS**, etc.
- ❑ Digital Modelling
- ❑ **Hardware Networking & PC Maintenance**
- ❑ **ITES / BPO Training**
- ❑ **e-Learning**
- ❑ **Information Security & Cyber Forensic**
- ❑ Both intermediate and advance level courses on **Object Oriented Programming (OOP)**
- ❑ **Bridge Course on Mathematics** for DOEACC Bio-Informatics & IT Students
- ❑ Other Miscellaneous Courses.



The Centre routinely offers training on CAD including **AutoCAD and AutoLisp**. It is also marked as an authorized centre of National Informatics Centre (Government of India) for CollabCAD, engineering software.

The Centre is planning to go in a big way for training on **ITES / BPO** considering the current market requirement and future trend of service / process out-sourcing from various indigenous and overseas companies to Indian Call-centres.

Five week full-time training on **e-Learning** has been well accepted by School & College teachers from all over West Bengal. This training on e-Learning has been completed very recently for several batches as part of a sponsored projects from DIT. We are planning to build up **e-Learning Resource Centres** through West Bengal for spreading awareness on benefits of e-Learning in the districts.

The Centre also has plan to develop training programmes in emerging areas like **e-Commerce, Mobile Commerce, Embedded Systems, Technical Writing**, etc.

### Corporate Training

The Centre also undertakes tailor-made corporate training programs for Government, Public and Private sector organizations. Some of our valued clients of present and recent past are :

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|---|---|
| Kolkata Police, Govt. of West Bengal                        | ❑ National Atlas & Thematic Mapping Organisation                    |
| West Bengal State Electricity Distribution Corpn.           | ❑ Indian Association for the Cultivation of Science                 |
| Dept. of Information Technology, Govt. of Sikkim            | ❑ Border Security Force, Govt. of India                             |
| West Bengal Police (Telecommunication)                      | ❑ Central Glass & Ceramic Research Institute                        |
| Export Inspection Agency, Govt. of India                    | ❑ Indian Institute of Chemical Biology                              |
| Gardenreach Ship Builders & Engineers                       | ❑ Film Division, Govt. of India                                     |
| Department of Agriculture & Co-operation,<br>Govt. of India | ❑ Directorate of Census, Ministry of Home Affairs,<br>Govt of India |



## TOTAL IT SOLUTIONS

The Centre provides total IT solutions in sectors like Education, Government, Commerce, Industry, Banking, Defence, Transport, etc. covering application areas such as –

- ❑ Office Automation
- ❑ Multimedia
- ❑ MIS
- ❑ ERP
- ❑ OLTP
- ❑ Computer Aided Design for Engineering
- ❑ Graphics and Image Data Processing
- ❑ Web Site with Dynamic Web Pages
- ❑ Survey / Census Data Analysis
- ❑ Examination Processing
- ❑ Banking Operation
- ❑ Finance & Accounts
- ❑ Material Management
- ❑ Personnel Management, etc.

The Centre has been providing turn-key solutions to a number of major Government and Business organizations. The services included here are –

- ❑ Planning, Design and Development of large databases, including GIS feature, in host based, and two / three tire based environments.
- ❑ Design, Development, Implementation and Maintenance of Application Software at sites.
- ❑ On-line wide area based connectivity along with Hardware Procurement and Installation.
- ❑ Facility Management for Data Centre.

### *Software Design, Development & Implementation*

The Centre has expertise on various development platforms like Windows, Unix, Linux, COBOL, FORTRAN, ORACLE, SYBASE, DB2, SQL Server, Power Builder, IDS, Visual Basic, Visual C++, MySQL, J2EE, etc. Websites, using both ASP and JSP technologies, are being developed and maintained for prestigious organizations like West Bengal Public Service Commission, West Bengal Electricity Regulatory Commission, Central Inland Fisheries Research Institute, etc.

The Centre provides effective support in the fields of development, implementation of training and maintenance of application software, hardware procurement, networking, web-based solutions and qualified technical manpower to several organizations. Some of the prominent client organizations of the Centre are :

#### ***Government of India***

- ❑ National Informatics Centre, Department of Information Technology
- ❑ Ministry of Agriculture & Co-operation
- ❑ Department of Economic Affairs, Ministry of Finance

### **Government of West Bengal**

- ❑ Directorate of Agriculture
- ❑ Directorate of Commercial Tax, Finance Department
- ❑ Directorate of Electricity, Power Department
- ❑ Directorate of Treasuries & Accounts, Finance Department
- ❑ Directorate of Registration & Stamp Revenue, Finance Department
- ❑ Department of Higher Education
- ❑ Department of Animal Health and Veterinary Services
- ❑ Directorate of State Lottery
- ❑ Backward Class Welfare Department



### **Autonomous Government Bodies**

- ❑ West Bengal Housing Infrastructure Development Corporation Ltd.
- ❑ West Bengal State Electricity Distribution Corporation
- ❑ Kolkata Metropolitan Development Authority
- ❑ Haldia Dock Complex
- ❑ Kolkata Port Trust
- ❑ West Bengal Electricity Regulatory Commission
- ❑ Public Service Commission, West Bengal
- ❑ Jadavpur University
- ❑ Kolkata Municipal Corporation
- ❑ West Bengal Housing Federation
- ❑ Central Inland Fisheries Research Institute

### **Rural / Commercial Government Bodies**

- ❑ Buxa Tiger Project, Directorate of Forest
- ❑ Calcutta District Primary School Council
- ❑ United Bank of India
- ❑ West Bengal State Co-operative Agriculture & Rural Development Bank Ltd.

### **Support to Client Organisations**

Organizations desiring to go for computerising its activities need certain implementation related services. While providing Turn Key solutions, the Centre takes the responsibility of doing the related tasks. It also provides these services and some maintenance related services independently if clients desire so. Some of such services are :

- ❑ Establishing Communication Network
- ❑ Supply of Hardware & Software
- ❑ Hardware & Software Installation
- ❑ Application Software Implementation
- ❑ Software Maintenance
- ❑ Data Preparation
- ❑ Installation Supervision
- ❑ Facility Management

The Centre also provides competent IT professionals to the clients for post implementation support depending upon the requirement of the clients and their budget provision. A good

infrastructure with a team of motivated professionals having sufficient experience in specialized fields adds to the strength of the Centre.

### *Special Project on Agricultural Census*

Once in each 5 years **Department of Agriculture & Co-operation, Govt. of India** conducts **Main Census** on Land Usage including Operated Area, Social Group, Holding Status, etc. and Extent & Sources of Irrigation, Crop-wise Irrigated & Unirrigated Areas, Tenancy Particulars, etc. , and also conducts **Input Survey** on inputs like Fertilizers, Manures, livestock, etc. for all states throughout India, resulting in around several crores of survey schedules filled-up by Data Collectors. Timely processing of all these schedules leading to final Estimation and Tabulation after Data Entry & Validation is very big as well as challenging Task and we are proud to state that the job is being done by us continuously for over 15 years, sometimes alone and sometimes along with some other Govt. agencies on sharing basis.

Present status is that entire processing for V<sup>th</sup> Agricultural Census and Data Entry & Validation for VI<sup>th</sup> Agricultural Census have been completed. Processing and Tabulation for the later one is nearing completion. We expect to take up VII<sup>th</sup> Agricultural Census shortly.

For smooth functioning and better co-ordination with respective State Agriculture Departments several Camp Offices have been set up by the Centre, especially for the bigger states. A large and well-coordinated team of very competent professionals is putting its best effort continuously to make each of these census processing job a great success.

### **Library Facility**

13The Centre is enriched with state-of-the-art library with over 10,000 text books, apart from national & international journals, periodicals and business magazines on relevant topics. The reading room facility extended to students provides an opportunity and atmosphere of realistic learning. The Library remains open from 9.45 a.m. to 8.00 p.m. on every working day.

### **THRUST AREAS**

- ❑ IT education in non-formal and corporate sectors in state-of-the-art areas including CAD, Multimedia, Bio-Informatics, Web Designing, e-Learning, Information Security, ITES/BPO, Hardware, etc.
- ❑ Turn-key IT Consultancy, formulating of e-Governance initiatives including integrated computerization projects for Government and Commercial sectors.

## MANAGEMENT

The overall Operational, Financial and Administrative management of the Centre are controlled and guided by the Chief Executive Officer of the DOEACC Society, subject to the policy decision framed from time to time by a **Governing Council** comprising dignified Govt. officials, detail list of which are given below :

Chairman : Hon'ble Minister of Communications & Information Technology (MCIT), Govt. of India

Vice-Chairman : Secretary, DIT, MCIT, Govt. of India

Members :

- Additional Secretary, DIT, MCIT, Govt. of India
- Joint Secretary & Financial Adviser, DIT, MCIT, Govt. of India
- Joint Secretary (e-Learning & Infrastructure), DIT, MCIT, Govt. of India
- Vice-Chancellor, Guru Gobind Singh Indraprastha University, New Delhi
- Joint Secretary, Ministry of Human Resource Development, New Delhi
- Chairman, All India Council for Technical Education, New Delhi
- Secretary, University Grants Commission
- Representatives from IISc (Bangalore), IIT (Roorkee), Electronics & Computer Software Export Promotion Council (New Delhi), IIT (New Delhi), Dept. of Humanities & Social Science (New Delhi), Keshav Mahavidyalaya (New Delhi), CSI (Pune)

Member Secretary : Executive Director, DOEACC Society, New Delhi.

Kolkata Centre has its own **Executive Council**, duly approved by the Governing Council, to look after the Centre's technical activities and management of finance.

Chairperson : Director, DOEACC Society, Kolkata Centre

Members :

- Jt. Secretary, Deptt. of Information Technology, Govt. of West Bengal
- Professor, Computer Sc. & Engg. Deptt., Jadavpur University
- Representative of WIPRO, Kolkata
- Representative from Headquarters (DOEACC Society)

Members Secretary : Administrative-cum-Finance Officer, DOEACC Society, Kolkata Centre