

प्रगत संगणन विकास केंद्र  
CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

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## **PG DIPLOMA ADMISSION BOOKLET**

**March 2021 Batch**

### **Process of Admission to Post Graduate Diploma Courses of C-DAC**

- PG Diploma in Advanced Computing (PG-DAC)
- PG Diploma in Embedded Systems Design (PG-DESD)
- PG Diploma in Big Data Analytics (PG-DBDA)
- PG Diploma in IT Infrastructure, Systems & Security (PG-DITISS)
- PG Diploma in VLSI Design (PG-DVLSI)
- PG Diploma in Internet of Things (PG-DIoT)
- PG Diploma in Artificial Intelligence (PG-DAI)
- PG Diploma in Mobile Computing (PG-DMC)
- PG Diploma in Advanced Secure Software Development (PG-DASSD)
- PG Diploma in HPC System Administration (PG-DHPCSA)
- PG Diploma in Geoinformatics (PG-DGi)
- PG Diploma in Biomedical Instrumentation & Health Informatics (PG-DBIHI)

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## 1. Introduction

Set up in 1988, Centre for Development of Advanced Computing (C-DAC) is a scientific society of the Ministry of Electronics & Information Technology, Government of India, carrying out Research and Development (R&D) in IT, electronics and associated areas. Different thematic areas of C-DAC's research include high performance computing, grid and cloud computing, multilingual computing, professional electronics, software technologies, cyber security, health informatics, ubiquitous computing, and education & training.

As an institution for high-end R&D, C-DAC has been at the forefront of the IT revolution in the country, constantly building capacities in emerging technologies, and innovating and leveraging its expertise, calibre and skill sets to develop and deploy IT products and solutions for diverse sectors. It has resulted in the emergence of a high-quality intellectual resource base at C-DAC in the form of expert teams with specialised knowledge of various facets of advanced computing.

With such a rich resource base at its command, C-DAC set up the Advanced Computing Training School (ACTS) in 1993 to meet the ever-increasing skilled manpower requirements of the Information Communication Technologies (ICT) industry as well as supplement its intellectual resource base for cutting-edge research and development. Over the years C-DAC has designed and delivered various postgraduate and undergraduate degree and diploma programmes. In addition, C-DAC imparts ICT training to state and national governments and agencies, strategic sectors, corporate and industries, foreign countries and international students, based on specific requirements.

Presently C-DAC is offering postgraduate diploma courses through its training centres located in cities such as Bengaluru, Bhubaneswar, Chennai, Silchar, Hyderabad, Indore, Jaipur, Karad, Kochi, Kolkata, Mohali, Mumbai, Nagpur, Nashik, Navi Mumbai, New Delhi, Noida, Patna, Pune, and Thiruvananthapuram. Each year, thousands of students and professionals are trained at these centres, enhancing their knowledge-base and equipping them with the latest methodologies in advanced computing so as to make their mark in the ICT industry. So far more than 3 lakh students have passed out from C-DAC. Many of them are successful employees of multi-national and premier Indian ICT companies today, and many more have become booming entrepreneurs.

C-DAC has made strong presence globally by providing visibility and brand name for India through establishing state-of-the-art IT Training Centres and projects in many developing countries like Ghana, Uzbekistan, Tajikistan, Myanmar, Tanzania, Belarus, Armenia, Lesotho, Seychelles, Syria, Grenada, Dominican Republic, Vietnam, Turkmenistan, Kyrgyzstan, Cambodia, Kazakhstan, Saudi Arabia, Ecuador, Peru, Palestine, Bhutan, Costa Rica, Panama, Commonwealth of Dominica, Egypt, Morocco, Guyana, Papua New Guinea, Vanuatu, Fiji, Nauru, Niue, Samoa, Cook Islands, Namibia, Sao Tome & Principe, Jordan, Argentina & Solomon Islands, in close association with Ministry of External Affairs and Ministry of Electronics & IT, Government of India.

- ✓ C-DAC has been awarded as the '*Most Popular Training Institute in India*' at the Electronics For You Awards.
- ✓ C-DAC received '*Manthan 2019 Award*' for outstanding contribution in the Skill Ecosystem - Training Category by the Telecom Sector Skill Council.

## 2. List of C-DAC's PG Diploma Courses, Fees and Eligibility Criteria

C-DAC's Post Graduate Diploma courses are full-time courses of 6-month duration. The list of PG Diploma courses along with their eligibility criteria and fees is given in Table 1. Details of these courses are given in Section 17 of this Admission Booklet.

For the initial two months, all PG Diploma classes of March 2021 batch will be held in online mode. Students are required to have laptops/PCs with high-speed uninterrupted internet connection, webcam and microphone to effectively participate in the course from their homes or personal places. It is not advisable to join the online classes from mobile phones. After the first two months, depending on the pandemic situation, the PG Diploma classes will be continued in physical mode at the respective training centres. All C-DAC training centres will adhere to the safety precautions issued by the government.

**Important Note:** Considering the uncertainties prevailing in the current scenario, there could be a possibility of changing the mode of conduction of training (offline to online mode or vice versa, as and when required), depending on the government regulations from time to time.

### Common Eligibility Criteria for all the PG Diploma Courses of C-DAC

- Graduate in Engineering (10+2+4 or 10+3+3 years) in IT / Computer Science / Electronics / Telecommunications / Electrical / Instrumentation.
- OR*
- MSc/MS (10+2+3+2 years) in Computer Science, IT, Electronics.
- Mathematics in 10+2 (exempted for candidates with Diploma + Engineering).

In addition to the common eligibility criteria given above, candidates with the course-specific qualifications mentioned in Table 1 are ALSO ELIGIBLE for the particular courses. Minimum percentage of marks required in the qualifying examination is also stated in Table 1. The minimum percentage of marks will be considered as per the norms of the university from where the candidate has graduated.

**Table 1: C-DAC's PG Diploma courses and their eligibility criteria.**

| CATEGORY I (Section A in C-CAT) |   |  |        |                        |
|---------------------------------|---|--|--------|------------------------|
| COURSE CODE                     | COURSE NAME                             | ELIGIBILITY  | MIN. % | FEES                   |
| PG-DGi                          | Post Graduate Diploma in Geoinformatics | <ul style="list-style-type: none"> <li>• Common eligibility criteria, <i>OR</i></li> <li>• 4-year Degree in Geosciences / Petroleum / Mining / Civil/ Planning / Architecture / Forestry / Agriculture, or related fields, <i>OR</i></li> <li>• Post Graduate Degree in Geography / Geology / Natural &amp; Applied Sciences / Mathematics, or allied areas</li> </ul> | 50 %   | <b>Rs 81,000 + GST</b> |

| CATEGORY II (Sections A+B in C-CAT)    |  |  |        |                         |
|--|--|--|--------|-------------------------|
| COURSE CODE                            | COURSE NAME  | ELIGIBILITY  | MIN. % | FEES                    |
| PG-DAC                                 | Post Graduate Diploma in Advanced Computing                    | <ul style="list-style-type: none"> <li>Common eligibility criteria, <i>OR</i></li> <li>Graduate in any discipline of Engineering, <i>OR</i></li> <li>MCA, MCM, <i>OR</i></li> <li>Post Graduate Degree in Physics / Mathematics / Statistics, <i>OR</i></li> <li>Post Graduate Degree in Management with graduation in IT / Computer Science/Applications</li> </ul> | 50 %   | <b>Rs 81,000 + GST</b>  |
| PG-DMC                                 | Post Graduate Diploma in Mobile Computing                      | <ul style="list-style-type: none"> <li>Common eligibility criteria, <i>OR</i></li> <li>Post Graduate Degree in Mathematics / Statistics, <i>OR</i></li> <li>MCA</li> </ul>   | 50 %   | <b>Rs 81,000 + GST</b>  |
| PG-DAI                                 | Post Graduate Diploma in Artificial Intelligence               | <ul style="list-style-type: none"> <li>Common eligibility criteria, <i>OR</i></li> <li>Post Graduate Degree in Mathematics / Statistics / Physics, <i>OR</i></li> <li>MCA</li> </ul>   | 60 %   | <b>Rs 135,000 + GST</b> |
| PG-DBDA                                | Post Graduate Diploma in Big Data Analytics                    | <ul style="list-style-type: none"> <li>Common eligibility criteria, <i>OR</i></li> <li>4-year Graduation in Bioinformatics, <i>OR</i></li> <li>Post Graduate Degree in Mathematics/ Statistics/ Physics, <i>OR</i></li> <li>MCA</li> </ul>   | 55 %   | <b>Rs 103,500 + GST</b> |
| PG-DITISS                              | Post Graduate Diploma in IT Infrastructure, Systems & Security | <ul style="list-style-type: none"> <li>Common eligibility criteria, <i>OR</i></li> <li>Post Graduate Degree in Mathematics / Statistics, <i>OR</i></li> <li>MCA</li> </ul>   | 55 %   | <b>Rs 81,000 + GST</b>  |
| PG-DIoT                                | Post Graduate Diploma in Internet of Things                    | <ul style="list-style-type: none"> <li>Common eligibility criteria, <i>OR</i></li> <li>MCA</li> </ul>  | 55 %   | <b>Rs 81,000 + GST</b>  |
| PG-DASSD                               | Post Graduate Diploma in Advanced Secure Software Development  | <ul style="list-style-type: none"> <li>Common eligibility criteria, <i>OR</i></li> <li>MCA</li> </ul>  | 55 %   | <b>Rs 81,000 + GST</b>  |
| PG-DHPCSA                              | Post Graduate Diploma in HPC System Administration             | <ul style="list-style-type: none"> <li>Common eligibility criteria, <i>OR</i></li> <li>Post Graduate Degree in Mathematics / Statistics, <i>OR</i></li> <li>MCA</li> </ul>   | 55 %   | <b>Rs 81,000 + GST</b>  |
| CATEGORY III (Sections A+B+C in C-CAT) |  |  |        |                         |
| PG-DESD                                | Post Graduate Diploma in Embedded Systems Design               | <ul style="list-style-type: none"> <li>Common eligibility criteria</li> </ul>  | 55 %   | <b>Rs 81,000 + GST</b>  |

|                 |   |   |      |                        |
|-----------------|---|---|------|------------------------|
| <b>PG-DVLSI</b> | <b>Post Graduate Diploma in VLSI Design</b>   | <ul style="list-style-type: none"> <li>Common eligibility criteria</li> </ul>   | 55 % | <b>Rs 81,000 + GST</b> |
| <b>PG-DBIHI</b> | <b>Post Graduate Diploma in Biomedical Instrumentation &amp; Health Informatics</b> | <ul style="list-style-type: none"> <li>Common eligibility criteria, <i>OR</i></li> <li>BE/BTech in Biomedical related fields</li> </ul> | 55 % | <b>Rs 81,000 + GST</b> |

**Laptop/PC configuration, and hardware, software and network specifications required for the online classes are given in Section 18 of this Admission Booklet.**

There is no age restriction for admission to C-DAC's PG Diploma courses. Candidates who have appeared for the final examination of their qualifying degree in 2020 will also be considered for admission to the above courses. By qualifying in C-DAC's admission tests of January 2021, such university result-awaiting candidates can apply for provisional admission in March 2021 batch, subject to the condition that:

- All parts of their qualifying degree examination shall be completed by the date of joining the course, and
- Proof of having passed the qualifying degree with at least the required minimum marks shall be submitted at C-DAC by 30 June 2021.

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**Important Note:** Candidates are required to ensure that they meet the eligibility criteria of the courses for which they are applying. In case a candidate is found to be non-eligible during any stage of the admission process or course delivery, his/her admission will be cancelled with immediate effect.

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### **3. Highlights of C-DAC's PG Diploma Courses**

- Well established courses with excellent placement records.
- 6-month full-time courses with 900 hours' theory + lab + project.
- 6-8 hours per day theory + lab sessions on 6 days a week in most centres.
- Continuous lab and internal assessments during the course.
- Centralised mid-course and course-end theory exams across all centres.
- Courses designed and developed in consultation with the domain experts in C-DAC, academia and ICT industry.
- Syllabus regularly updated with the latest trends in the ICT industry.
- Expert faculty from C-DAC and ICT industry with widespread domain knowledge.
- Tutorials, hands-on and projects relevant to the standards of the ICT industry.
- Well equipped computer labs with internet that can be accessed most of the time.
- Special training on aptitude, effective communication and interview skills.
- Extensive placement orientation and region-wise common campus placements.
- Excellent participation from top ICT companies in campus placements.

#### 4. Common Campus Placement Programme

Over the 25 years, C-DAC has shaped the careers of over 3 lakh IT professionals in software development and other specialised advanced computing domains. The Placement Cells of C-DAC organise Common Campus Placement Programmes (CCPP) for its PG Diploma students. **For every batch, C-DAC's CCPPs are conducted region-wise at Bengaluru, Hyderabad, Mumbai, Noida and Pune. Training centres from other cities are attached to one of these regional placement programmes, so that students from all centres across India get fair chance in placements** (see Table 2 for details). All C-DAC training centres actively coordinate and organise campus interviews for all their PG Diploma students. **More than 400 companies participated in C-DAC's campus placements in 2019 and 2020, wherein overall 80% placement is achieved across India.**

*Table 2: Region-wise distribution of cities in C-DAC's Common Campus Placements (CCPP)*

| CCPP Region | Cities of the Training Centres attached in CCPP       |
|-------------|---|
| Bengaluru   | Bengaluru, Chennai, Kochi, Thiruvananthapuram         |
| Hyderabad   | Hyderabad   |
| Mumbai      | Kolkata, Mumbai, Nashik, Navi Mumbai, Silchar         |
| Noida       | Mohali, Noida   |
| Pune        | Indore, Jaipur, Karad, Nagpur, New Delhi, Patna, Pune |

C-DAC has always been the ICT recruiters' first choice when it comes to recruiting ready-to-deploy manpower for their turnkey projects. Top ICT companies (some are listed in Table 3) have expressed faith in C-DAC's trained resources by regularly recruiting them through CCPP. C-DAC has also recruited many of the PG Diploma students for its R&D projects.

**Table 3: Selected list of companies visiting C-DAC for campus placements**

|                      |                       |                      |                     |
|----------------------|-----------------------|----------------------|---------------------|
| ✓ 3i Infotech        | ✓ Cognizant           | ✓ IGATE              | ✓ Qualcomm          |
| ✓ 63 Moons           | ✓ Continental         | ✓ John Deere         | ✓ Rediff            |
| ✓ ABB                | ✓ Credit Suisse       | ✓ Johnson Controls   | ✓ Reliance Jio      |
| ✓ Accelya Kale       | ✓ Cumulus Systems     | ✓ JP Morgan Chase    | ✓ Rockwell Collins  |
| ✓ Alcatel Lucent     | ✓ Cybage              | ✓ Justdial           | ✓ Rolta India       |
| ✓ Allegion           | ✓ Dassault Systems    | ✓ Kotak Mahindra     | ✓ Samsung           |
| ✓ Allstate           | ✓ Datamatics          | ✓ KPIT Cummins       | ✓ SanDisk           |
| ✓ Altair Engineering | ✓ Dell EMC            | ✓ KPMG               | ✓ SAS Global        |
| ✓ Amdocs             | ✓ Deloitte Consulting | ✓ L&T Infotech       | ✓ Sasken            |
| ✓ AppDirect          | ✓ Diebold Nixdorf     | ✓ Larsen & Toubro    | ✓ Schlumberger      |
| ✓ AppDynamics        | ✓ EMC                 | ✓ Lear Automotive    | ✓ Seagate           |
| ✓ Asian Paints       | ✓ Ernst & Young       | ✓ LG Soft            | ✓ Siemens           |
| ✓ AstraZeneca        | ✓ Fidelity            | ✓ Manhattan          | ✓ SunGard           |
| ✓ Atos               | ✓ First American      | ✓ Mercedes Benz      | ✓ Symantec          |
| ✓ Axis Bank          | ✓ Fiserv              | ✓ Mindtree           | ✓ Synopsis          |
| ✓ Bank of America    | ✓ Fujitsu             | ✓ Microsoft          | ✓ Syntel            |
| ✓ Barclays           | ✓ General Electric    | ✓ Morgan Stanley     | ✓ Tata Elxsi        |
| ✓ Bentley            | ✓ Geometric           | ✓ Morning Star       | ✓ Tata Power        |
| ✓ BlueStar Infotech  | ✓ GEP Solutions       | ✓ Mphasis            | ✓ Tata Technologies |
| ✓ BNP Paribas        | ✓ Godrej Infotech     | ✓ MuSigma            | ✓ Tavisca           |
| ✓ Boeing             | ✓ Golden Source       | ✓ Nihilent           | ✓ TCS               |
| ✓ book my show       | ✓ Happiest Minds      | ✓ Nokia              | ✓ Tech Mahindra     |
| ✓ Bosch              | ✓ HCL                 | ✓ NPCI               | ✓ TechProcess Pay   |
| ✓ C-DAC              | ✓ Hella               | ✓ NSE Infotech       | ✓ Teradata          |
| ✓ Canon India        | ✓ Honeywell           | ✓ OnMobile           | ✓ TIAA GBS          |
| ✓ Capgemini          | ✓ HP                  | ✓ Persistent         | ✓ Whirlpool         |
| ✓ Cavium             | ✓ HSBC                | ✓ Polaris            | ✓ Wipro             |
| ✓ CISCO              | ✓ Huawei              | ✓ Quantiphi Analytic | ✓ Zee Entertainment |
| ✓ Citius Healthcare  | ✓ Ibexi Solutions     | ✓ Quick Heal         | ✓ Zensar            |
| ✓ Citrus Payments    | ✓ IBM                 | ✓ QLogic             | ✓ ZS Associates     |

## 5. C-DAC's Training Centres

Across India, C-DAC is offering postgraduate diploma courses through its training centres located in cities such as Bengaluru, Bhubaneswar, Chennai, Hyderabad, Indore, Jaipur, Karad, Kochi, Kolkata, Mohali, Mumbai, Nagpur, Nashik, Navi Mumbai, New Delhi, Noida, Patna, Pune, Silchar, and Thiruvananthapuram. The address and contact details of these training centres can be found at <http://cdac.in/index.aspx?id=cdaccenters> and also in Section 19 of this Admission Booklet. Candidates are advised to visit the training centres of their preference and see the facilities offered before opting for courses at these centres. Table 4 shows the courses offered and the seat capacity at various training centres of C-DAC in the March 2021 batch.



**Table 4: PG Diploma seat capacity at C-DAC's training centres.**

| Sr. No. | City               | Centre Name                     | PG-DAC | PG-DESD | PG-DBDA | PG-DITISS | PG-DVLSI | PG-DIoT | PG-DAI | PG-DMC | PG-DASSD | PG-DHPCSA | PG-DGi | PG-DBIHI |
|---------|--------------------|---------------------------------|--------|---------|---------|-----------|----------|---------|--------|--------|----------|-----------|--------|----------|
| 1       | Bengaluru          | C-DAC, Electronics City         | 120    |         |         | 60        |          |         |        |        |          |           |        |          |
| 2       | Bengaluru          | C-DAC, Knowledge Park           | 120    | 120     | 80      |           |          | 60      |        |        |          |           |        |          |
| 3       | Chennai            | C-DAC                           | 50     | 50      | 30      |           |          | 30      |        |        |          |           |        |          |
| 4       | Hyderabad          | C-DAC                           | 120    | 120     |         | 60        | 40       |         |        |        | 60       |           |        |          |
| 5       | Indore             | Orlando Academy                 | 60     |         |         |           |          |         |        |        |          |           |        |          |
| 6       | Jaipur             | NETCOM                          | 60     |         |         |           |          |         |        |        |          |           |        |          |
| 7       | Karad              | Sunbeam                         | 120    |         |         |           |          |         |        |        |          |           |        |          |
| 8       | Kochi              | C-DAC                           | 60     |         |         |           |          |         |        |        |          |           |        |          |
| 9       | Kolkata            | C-DAC                           | 40     |         | 40      |           |          |         |        |        |          |           |        |          |
| 10      | Mohali             | C-DAC                           |        |         |         |           |          |         |        |        |          |           |        | 20       |
| 11      | Mumbai             | C-DAC, Juhu                     | 120    |         |         |           |          |         |        |        |          |           |        |          |
| 12      | Mumbai             | C-DAC, Kharghar                 | 140    |         |         |           |          |         |        |        |          |           |        |          |
| 13      | Mumbai             | AIT (YCP), Nariman Point        | 120    |         |         |           |          |         |        |        |          |           |        |          |
| 14      | Mumbai             | MET - IIT, Bandra               | 120    |         |         |           |          |         |        |        |          |           |        |          |
| 15      | Mumbai             | USM's Shriram Mantri VITA, Juhu | 120    |         | 60      |           |          |         |        |        |          |           |        |          |
| 16      | Nagpur             | Soft Polynomials                | 60     |         |         |           |          |         |        |        |          |           |        |          |
| 17      | Nashik             | MET – IIT                       | 60     |         |         |           |          |         |        |        |          |           |        |          |
| 18      | New Delhi          | Bytes Softech                   | 120    |         |         |           |          |         |        |        |          |           |        |          |
| 19      | New Delhi          | C-DAC                           | 40     |         |         | 40        |          |         |        |        |          |           |        |          |
| 20      | Noida              | C-DAC                           | 120    | 40      | 40      | 20        | 40       |         | 50     |        |          |           | 20     |          |
| 21      | Patna              | Astric-COE                      | 60     |         |         |           |          |         |        |        |          |           |        |          |
| 22      | Patna              | Career Foresight                | 60     |         |         |           |          |         |        |        |          |           |        |          |
| 23      | Pune               | C-DAC                           | 240    | 60      | 60      | 60        | 40       | 40      | 40     |        |          | 40        |        |          |
| 24      | Pune               | IACSD, Akurdi                   | 240    |         | 60      | 60        |          |         |        |        |          |           |        |          |
| 25      | Pune               | IET, Shivajinagar               | 120    |         |         |           |          |         |        |        |          |           |        |          |
| 26      | Pune               | Infoway, Kothrud                | 120    |         |         |           |          |         |        |        |          |           |        |          |
| 27      | Pune               | Know-IT, Deccan                 | 120    |         | 60      |           |          |         |        |        |          |           |        |          |
| 28      | Pune               | Sunbeam, Hinjewadi              | 240    | 120     | 60      |           |          |         |        | 70     |          |           |        |          |
| 29      | Silchar            | C-DAC                           | 50     |         |         |           |          |         |        |        |          |           |        |          |
| 30      | Thiruvananthapuram | C-DAC                           |        | 60      |         | 60        |          |         |        |        |          |           |        |          |

## 6. Hostel Facilities

Hostel and canteen facilities are available for students at some of the C-DAC training centres as shown in Table 5. Hostel allotments are made on a first-come, first-served basis. However, outstation students will be given preference when the allotment is done. If any vacancy is there after allocating rooms to the outstation students, local students' hostel applications may also be considered. Some of the centres, which are not offering hostel facilities, may provide assistance to find out suitable boarding and lodging to their students.

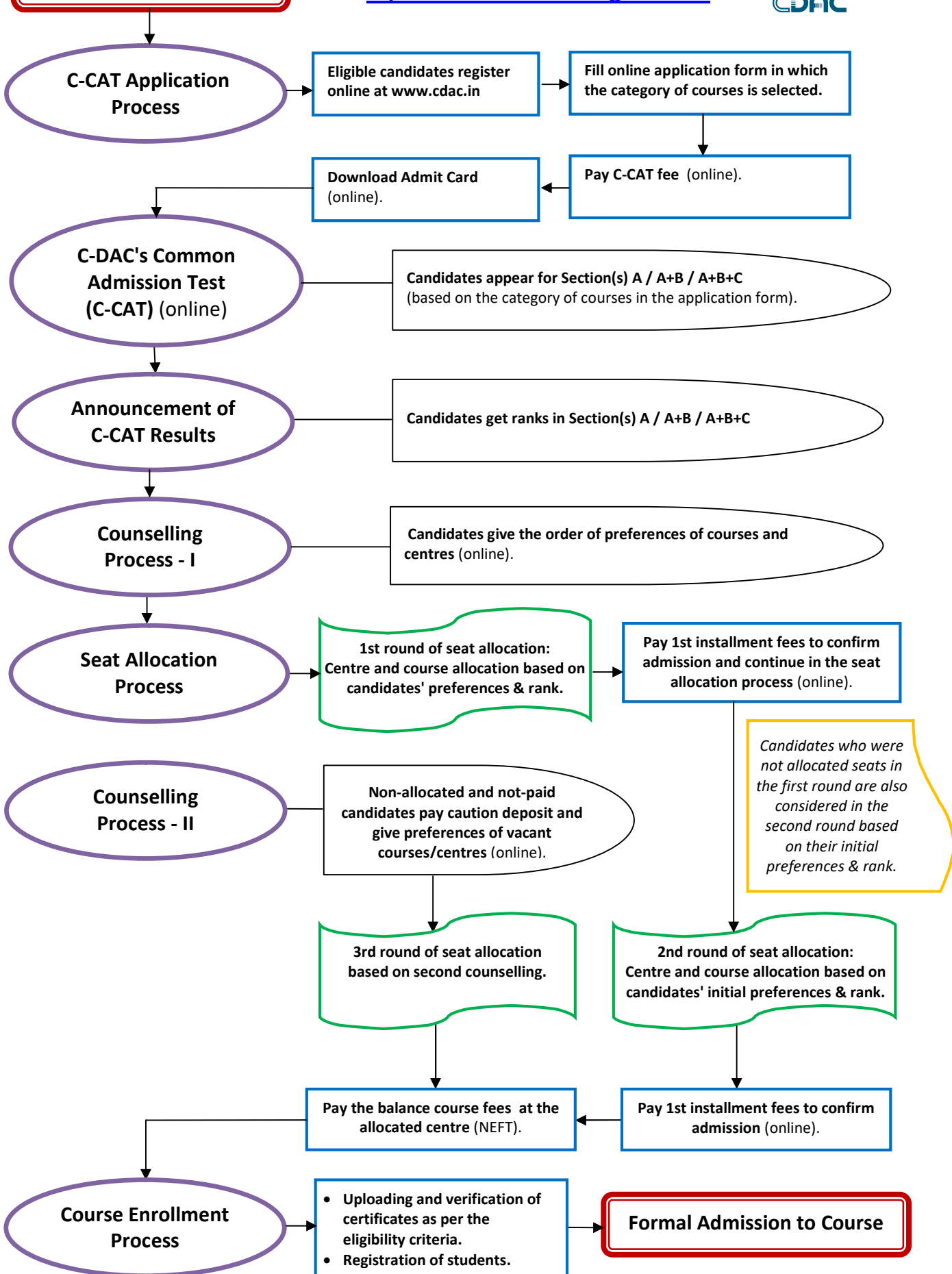
Candidates interested to avail hostel accommodation should send their requests to the Administrative Officers at the respective training centres, after the admission lists are published. Hostel/canteen fees, room availability and other related information may be obtained by communicating to the respective centre's contact person whose name is mentioned at <http://cdac.in/index.aspx?id=cdaccenters> and also in Section 19 of this Admission Booklet.

***Table 5: Hostel/canteen facility at C-DAC's training centres.***

| Training Centre                          | Hostel                | Canteen |
|--|-----------------------|---------|
| AIT (YCP), Mumbai (Nariman Point)        |                       | ✓       |
| C-DAC, Bengaluru (Electronics City)      | ✓                     | ✓       |
| C-DAC, Bengaluru (Knowledge Park)        |                       | ✓       |
| C-DAC, Hyderabad                         | ✓<br>(only for girls) | ✓       |
| C-DAC, Kolkata                           |                       | ✓       |
| C-DAC, Mohali                            | ✓                     | ✓       |
| C-DAC, Mumbai (Juhu)                     |                       | ✓       |
| C-DAC, Mumbai (Kharghar)                 | ✓                     | ✓       |
| C-DAC, New Delhi                         |                       | ✓       |
| C-DAC, Noida                             | ✓                     | ✓       |
| C-DAC, Pune                              |                       | ✓       |
| C-DAC, Thiruvananthapuram                |                       | ✓       |
| IACSD, Pune (Akurdi)                     | ✓                     | ✓       |
| MET-IIT, Mumbai (Bandra)                 |                       | ✓       |
| MET-IIT, Nashik                          | ✓                     | ✓       |
| Sunbeam, Karad                           | ✓                     | ✓       |
| Sunbeam, Pune (Hinjewadi)                | ✓                     | ✓       |
| USM's Shriram Mantri VITA, Mumbai (Juhu) |                       | ✓       |

**C-CAT Notification**  
(Press / Website)

## 7. Process of Admission to C-DAC's PG Diploma Courses through C-CAT



## 8. C-DAC's Common Admission Test (C-CAT)

Admissions to all PG Diploma courses of C-DAC are done through C-DAC's computerised Common Admission Test (C-CAT). **Candidates have to apply for C-CAT online at [www.cdac.in](http://www.cdac.in) or [acts.cdac.in](http://acts.cdac.in).** Every year, C-CAT is conducted in December/January (for February/March admissions) and June/July (for August/September admissions). Candidates who clear the January 2021 C-CAT will only be considered for admission to C-DAC's PG Diploma courses of March 2021 batch on the basis of their C-CAT ranks and centre/course preferences.

### 8.1 C-CAT Test Papers

**C-CAT has three sections (Section A, Section B, Section C) of one hour duration each.** As shown in Table 6, depending on the category of courses selected by the candidate, he/she will have to either appear for just one test paper (Section A) or two test papers (Section A and Section B) or all the three test papers (Section A, Section B and Section C). The medium of C-CAT is English.

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**Important Note:** A candidate can appear only for the specific section(s) in C-CAT as per the category of the courses opted by him/her at the time of filling the online application form.

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Every section in C-CAT will have 50 objective-type questions. Each question will have four choices as possible answers of which only one will be correct. There will be +3 (plus three) marks for each correct answer, -1 (minus one) for each wrong answer, and 0 (zero) marks for each un-attempted question. The maximum mark a candidate can obtain in any one section of C-CAT is 150.

**Table 6: Categories of PG Diploma courses and the corresponding test paper(s) in C-CAT.**

| COURSE CATEGORY | COURSE NAME  | C-CAT PAPER(S)                          |
|-----------------|--|---|
| I               | PG Diploma in Geoinformatics (PG-DGi)                                    | Section A                               |
| II              | PG Diploma in Advanced Computing (PG-DAC)                                | Section A +<br>Section B                |
|                 | PG Diploma in Big Data Analytics (PG-DBDA)                               |   |
|                 | PG Diploma in IT Infrastructure, Systems & Security (PG-DITISS)          |   |
|                 | PG Diploma in Internet of Things (PG-DIoT)                               |   |
|                 | PG Diploma in Artificial Intelligence (PG-DAI)                           |   |
|                 | PG Diploma in Mobile Computing (PG-DMC)                                  |   |
|                 | PG Diploma in Advanced Secure Software Development (PG-DASSD)            |   |
|                 | PG Diploma in HPC System Administration (PG-HPCSA)                       |   |
| III             | PG Diploma in Embedded Systems Design (PG-DESD)                          | Section A +<br>Section B +<br>Section C |
|                 | PG Diploma in VLSI Design (PG-DVLSI)                                     |   |
|                 | PG Diploma in Biomedical Instrumentation & Health Informatics (PG-DBIHI) |   |

## 8.2 C-CAT Syllabus

**Table 7a: Indicative syllabus of the different sections of test papers in C-CAT.**

| TEST PAPER | TOPICS   | DURATION |
|------------|--|----------|
| Section A  | English, Quantitative Aptitude, Reasoning  | 1 hour   |
| Section B  | Computer Fundamentals, C Programming, Data Structures, Object Oriented Programming Concepts, Operating Systems | 1 hour   |
| Section C  | Computer Architecture, Digital Electronics, Microprocessors  | 1 hour   |

The list of reference books for the various topics of C-CAT is given in Table 7b. Candidates are, however, advised to read more books than the ones specified in this table.

**Table 7b: Reference books for the various topics in C-CAT.**

| SECTION | TOPIC                             | REFERENCE BOOK   |
|---------|-----------------------------------|--|
| A       | English                           | Any High School Grammar Book (e.g. Wren & Martin)  |
|         | Quantitative Aptitude & Reasoning | Quantitative Aptitude Fully Solved (R. S. Aggrawal)<br>Quantitative Aptitude (M Tyara)<br>Barron's New GRE 2016                  |
| B       | Computer Fundamentals             | Foundations of Computing (Pradeep Sinha & Priti Sinha)   |
|         | C Programming                     | C Programming Language (Kernighan & Ritchie)<br>Let Us C (Yashavant Kanetkar)  |
|         | Data Structures                   | Data Structures Through C in Depth (S. K. Srivastava)  |
|         | Operating Systems                 | Operating System Principles (Silberschatz, Galvin, Gagne)  |
|         | OOP Concepts                      | Test Your C ++ Skills (Yashavant Kanetkar)   |
| C       | Computer Architecture             | Computer Organization & Architecture (William Stallings)   |
|         | Digital Electronics               | Digital Design (Morris Mano)<br>Digital Design: Principles & Practices (John Wakerly)<br>Modern Digital Electronics (R. P. Jain) |
|         | Microprocessors                   | Microprocessor Architecture, Programming & Applications with 8085 (Ramesh Gaonkar)<br>The Intel Microprocessor (Barry Brey)      |

## 8.3 C-CAT Schedule

**C-CAT for admission to the March 2021 batch of PG Diploma courses will be held in ONLINE mode on 10 January 2021 and 17 January 2021. Candidates may choose one of these dates as per their convenience/availability while filling the online application.** The C-CAT date (either 10 or 17 January 2021) will be allocated to candidates on a first-come, first-served basis of applications. The tentative schedule for different test papers of C-CAT is given in Table 8.

**Table 8: Tentative schedule of January 2021 C-CAT.**  
(Slot timings may vary. The final timings will be given on the admit cards.)

| C-CAT Dates                                  | Test Paper | Morning Slot Timings | Afternoon Slot Timings |
|--|------------|----------------------|------------------------|
| <b>10 January 2021 ;<br/>17 January 2021</b> | Section A  | 9:30 am – 10:30 am   | 2:00 pm – 3:00 pm      |
|  | Section B  | 10:45 am – 11:45 am  | 3:15 pm – 4:15 pm      |
|  | Section C  | 12:00 noon – 1:00 pm | 4:30 pm – 5:30 pm      |

The exact schedule of C-CAT will be communicated to the candidates through the Admit Card. **Candidates can give the online C-CAT from their homes using their laptops/PCs.** C-CAT cannot be given from mobile phones. **Candidates are required to switch on their webcam and microphone while appearing for C-CAT.**

**The C-CAT date once selected in the online application form cannot be changed** unless approved in writing by C-DAC, subject to availability of seats on the requested date. All such signed letters of requests with proof of valid reasons should be received at [actssupport@cdac.in](mailto:actssupport@cdac.in) before the last date of C-CAT application.

## 9. C-CAT Fee

C-CAT fee structure is given in Table 9. **Candidates may note that the C-CAT fee once paid is not refundable.**

**Table 9: Category-wise C-CAT fee.**

| Course Category | C-CAT Paper(s) | C-CAT Fee |
|-----------------|----------------|-----------|
| I               | A              | Rs 500/-  |
| II              | A+B            | Rs 600/-  |
| III             | A+B+C          | Rs 700/-  |

After filling the online C-CAT application form, **the examination fee must be paid online.** It can be paid using credit/debit cards through the payment gateway that will be opened upon clicking the '**Online**' option of the '**Make Payment**' step on the main menu of the application. Candidates are advised to follow the instructions/steps given on the payment gateway, and also print/save the transaction details for their records.

On receiving the examination fee at C-DAC, the '**Make Payment**' step on the main menu of the online application will be tick-marked, and the status of payment will be updated on the '**Status Check**' menu. The pdf application form obtained by clicking the '**View/Print Application Form**' on the main menu will now have the transaction details of the payment made.

Candidates facing any issues during online payment may contact C-DAC ACTS Pune through phone (020-25503143) or email ([actssupport@cdac.in](mailto:actssupport@cdac.in)).

## **10. C-CAT Admit Cards**

Candidates can download their admit cards from C-DAC's website during the dates mentioned under **Important Dates**. The date and time of C-CAT will be communicated to the candidates on the admit cards. Instructions for appearing C-CAT from the candidate homes will also be given on the admit card. **Candidates must appear for C-CAT on the date and time specified on the admit card.** The examination fee will not be refunded to candidates who are absent or joining late for C-CAT.

## **11. C-CAT Ranking**

**Candidates will be provided ranks based on their performances in Section A, Sections A+B, Sections A+B+C of C-CAT.** If a candidate appears for multiple sections and qualifies in them, he/she will be provided multiple ranks. For example, if a candidate appears for Sections A and B by choosing Category II in the application form, he/she will be provided two ranks: (i) based on the performance in Section A, and (ii) based on the performance in Sections A+B.

Candidates with the lowest 10% performances in any of the sections (A or B or C) of C-CAT will not be qualified for ranking in that particular section and its higher sections. Even after the removal of the lowest 10% performers as stated above, if there exist candidates in any section with zero or less than zero marks, then these candidates will also not be qualified for ranking.

All qualified candidates will be awarded Category I ranks based on their performance in Section A. Qualified candidates who have selected Category II in the C-CAT application form will be awarded Category I and II ranks based on their performances in Sections A and A+B. Qualified candidates who have selected Category III will obtain Category I, II and III ranks based on their performances in Sections A, A+B and A+B+C.

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### ***Important Notes:***

- (i) If a candidate has applied for Category II or III, but is not qualified in Section A due to poor performance in it, he/she will not get any rank in Category I or II or III, even if the candidate has got good marks in Section B and C.
  - (ii) Similarly, if a candidate has applied for category II or III, but is not qualified in Section B due to poor performance in it, he/she will not get any rank in Category II or III. However, the candidate may get a rank in Category I if he/she is qualified in Section A.
- 

If two or more candidates have acquired the same marks in Section A or Sections A+B or Sections A+B+C, then the candidate having more marks in Section A will be given the higher rank. If these candidates have the same marks in Section A also, then the candidate having higher value in the ratio of 'number of correct answers / number of attempted questions' in the specific section required only for that category of courses will be given the higher rank. Candidates who have the same value of this ratio, and having the same total as well as Section-A marks will be given the same C-CAT rank.

Admissions to C-DAC's PG Diploma courses at various training centres will be offered in the order of ranks obtained in C-CAT and based on the preferences of courses and centres given by the candidates during online counselling. Only those candidates who are in the C-CAT rank-list will be considered for admissions to C-DAC's PG Diploma courses.

Rank-lists of January 2021 C-CAT are only applicable for admission to the March 2021 batch of C-DAC's PG Diploma courses. Candidates should note that mere appearance in C-CAT or being in any of the rank-lists neither guarantees nor provides any automatic entitlement to admission. Qualified candidates will have to apply for admission as per the prescribed procedure.

## **12. Counselling & Seat Allocation Process**

**C-DAC's PG Diploma admission process has two counselling sessions and three rounds of seat allocations. Counselling means online filling of preferences of courses and training centres by the candidates.**

- There are two rounds of seat allocations based on the **first counselling**. This means that using the course-centre preferences given by the candidates during the first choice filling, two rounds of seat allocations (Round 1 and Round 2) will be done. Further details of the first counselling and first/second rounds of seat allocations are given in Sections 16(f-j) of this Admission Booklet.

**Depending on their C-CAT ranks, candidates will be allocated seats strictly based on the order of preferences of courses and centres given by them during the counselling.** If some candidates' ranks are not good enough to get them their top preferences in the first round of seat allocations, they may be offered their lower preferred courses/centres depending on their ranks. Such candidates may be allocated their higher-preferred course/centre in the second round of seat allocation, depending on their ranks. However, if candidates get their first preference in the first round of seat allocation itself, then that will be their final allocated seat and there will be no change for them in the second round of seat allocations. The seats allocated in the second round are final and there will be no further change in them.

- Through the **second counseling**, candidates who have not got/confirmed admission are given one last chance to online fill their preferences of courses and training centres for the vacant seats that arise after the second round of admissions. The second counselling is scheduled after the payment of the first installment fee of the second round of seat allocation. The third round of seat allocation is based on the second counseling. The categories of candidates who are eligible to take part in the second counselling, and more details of the second counselling and third round of seat allocation, are given in Sections 16(k-m) of this Admission Booklet.

During both the counselling sessions, candidates will be permitted to give preferences for only those courses belonging to the category they had selected in the C-CAT application form. However, a candidate can give as many preferences of training centres and courses belonging to the applied C-CAT category.



Based on the C-CAT ranks, admissions to various courses at different training centres are offered in the order of preferences of courses and centres given by the candidate and the number of seats available for the courses at the particular centres. **Therefore candidates must take utmost care while filling the order of preference of the courses and centres.** Under any circumstance, a candidate will not be allocated another course/centre which was not given as a preference during the counselling stage.

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***Important Note:*** A candidate cannot join a lower preferred choice if he/she is allocated a higher preference in any round of seat allocation.

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### **13. Payment of Course Fee**

#### **13.1 Course Fee**

The fee of all the PG Diploma courses (except PG-DBDA and PG-DAI) offered by C-DAC is Rs 81,000/- + Goods & Services Tax (GST) on it applicable at the time of payments in February 2021. *As on 1<sup>st</sup> December 2020, GST is 18%.* The course fee for PG-DBDA is Rs 103,500/- + GST. The course fee for PG-DAI is Rs 135,000/- + GST. The fee for all the PG Diploma courses is to be paid in two installments (details given below). **Candidates may take note that no Demand Draft (DD) or cheque or cash will be accepted at any C-DAC training centre towards payment of any installment of course fees.**

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***Important Note:*** There will not be any reduction in fees even in case the PG Diploma classes will have to be continued in online mode due to pandemic or any other catastrophic situations.

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#### **13.2 Scholarship Scheme**

C-DAC Kolkata and C-DAC Mohali offer Rs 3000 per month scholarship (for a total period of 5 months) for the students joining these centres after paying the full course fee as given in the below sections. Candidates are advised to contact these centres for further details.

#### **13.3 First Installment of Course Fee**

**The first installment course fee of Rs 10,000/- + GST** on it as applicable at the time of payment (February 2021) is to be paid **online** as per the schedule given under **Important Dates** (Table 11). It can be paid using credit/debit cards through the payment gateway that will be opened upon clicking the **'Pay First Installment'** button on the candidate's logged-in page on the C-DAC website. Candidates are advised to follow the guidelines given on the payment gateway, and also to print/keep the transaction details for their record.

On receiving the first installment fee at C-DAC, payment received message will be displayed when the candidate logs in on the C-DAC website and receipt of the first installment payment will be e-mailed to the candidate's registered email id. Candidates are advised to contact C-DAC Mumbai (022-27565308/26703251) regarding any issues they face during the payment of first installment of course fee.

### 13.4 Second (Final) Installment of Course Fee

The second installment fee of the various PG Diploma courses is given in Table 10. **It is to be paid before 25 February 2021 through NEFT from any bank to the account of the C-DAC centre where the candidate is finally allocated for his/her PG Diploma course.** For all private training centres of C-DAC, the payment is to be made to C-DAC Pune. GST applicable will be as in February 2021.

**Table 10: Second installment fees of the PG Diploma courses.**

| Course   | Second Installment Fee |
|--|------------------------|
| PG-DAC, PG-DESD, PG-DITISS, PG-DVLSI, PG-DIoT, PG-DMC, PG-DASSD, PG-DHPCSA, PG-DGi, PG-DBIHI | Rs 71,000/- + GST      |
| PG-DBDA  | Rs 93,500/- + GST      |
| PG-DAI   | Rs 125,000/- + GST     |

Candidates are advised to follow the steps given below for NEFT payment.

- Click on "**NEFT for 2<sup>nd</sup> Installment**" button that will be seen after logging in on the C-DAC website using candidate's Form No.
- Print the NEFT form that will be opened. Details of the bank account to which the candidate has to transfer the second installment fee will be given on it.
- If the candidate has personal net banking facility, he/she can make online transfer of the fees using the details given on the NEFT form.
- If the candidate does not have personal net banking facility, submit the NEFT form at any bank having NEFT facility along with the fees amount.
- Keep a record of the NEFT form with the UTR (unique transaction) number and other required details written on it. (Candidate has to submit it at the admitted centre while joining the course.)
- After the NEFT payment, carefully enter the NEFT transaction (UTR) number, name of account holder (from whose account the money is transferred), city and IFSC of the bank (from where the money is transferred), and transaction date in the text boxes that will be appearing on candidate's logged in page on the C-DAC website.
- It may take up to 48 hours for the NEFT payment to be reflected on the Payment Status page.
- On receiving the second installment at C-DAC, payment received message will be displayed when the candidate logs in on the C-DAC website, and receipt of the second installment payment will be e-mailed to the candidate's registered email id.

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#### **Important Notes:**

- After the second installment payment, if candidates wish to know the status of their payment, they need to contact their allocated centre (where they have credited the second installment). Contact details of all C-DAC centres are given in the last section of this Admission Booklet.
  - Candidates should enter the correct NEFT details, otherwise his/her payment confirmation may be delayed.
-

Candidates may contact C-DAC Mumbai (022-27565308/26703251) regarding any issues they face during the payment of second installment of course fee. Further, contact the allocated centre to know status of the payment.

#### **14. Cancellation and Refund**

Candidates must read and understand the rules pertaining to payment and refund of fees, before seeking admission to any course. No disputes regarding refunds will be entertained once the fees are paid.

If a course at a particular training centre is cancelled by C-DAC due to lack of the minimum required number of students, the course fee paid will be refunded to the candidates. However, these candidates may be offered admission to (i) the same course at another training centre preferred by them where seats are available as per their ranks; or (ii) another course preferred by them at the same centre or another centre of their choice, where seats are available as per their ranks. In such cases, the candidates have the option to choose the alternate centre/course before withdrawing the course fee paid.

**During verification of the certificates at the time of registration, if any candidate is found to be non-eligible for the admitted course, the first installment fee of Rs 10,000/- + its GST will not be refunded.** Provisionally admitted students who are unable to produce the proof of qualification for the admitted course by 30 June 2021 will not be eligible for any refund of fees paid.

Candidates desiring to withdraw their admission during any stage of the admission process (i.e. before the date of commencement of the course) may do so by online filling the withdrawal form that can be accessed using their login on the C-DAC website. After submitting the form online, candidates should print the withdrawal form, sign it and email it to [actssupport@cdac.in](mailto:actssupport@cdac.in). Candidates should write '*Request for withdrawal from PG Diploma admission*' as the subject of the email. No e-mail requests for withdrawal without attaching the signed withdrawal forms will be entertained. **Online withdrawal entries without sending the signed withdrawal forms will not be considered for withdrawal or refund.**

Students desiring to withdraw their admission after the commencement of the course may do so by submitting the prescribed withdrawal forms (that are available at the training centre) at the admitted centre. No e-mail requests for withdrawal will be entertained.

##### **14.1 Penalty on Withdrawal of Admission**

Cancellation of admission by a candidate/student will attract the following penalties:

- a) **If a candidate who has paid the course fee wants to withdraw his/her admission before 5 pm on 8 February 2021, then Rs 1000/- + GST paid on Rs 10,000/- will be deducted from the fee paid, and the balance amount will be refunded. The signed withdrawal forms should reach C-DAC ACTS Pune before 5 pm on 8 February 2021.**

- b) **If a candidate who has paid the course fees wants to withdraw his/her admission during 9 February 2021 to 5 pm on 15 February 2021, then Rs 5,000/- + GST paid on Rs 10,000/- will be deducted from the fee paid, and the balance amount will be refunded. The signed withdrawal forms should reach C-DAC ACTS Pune before 5 pm on 15 February 2021.**
- c) **If a candidate who has paid the course fees wants to withdraw his/her admission after 15 February 2021 but before the date of commencement of the course, then Rs 10,000/- + GST on it will be deducted from the fees paid, and the balance amount (if any) will be refunded. The signed withdrawal forms should reach C-DAC ACTS Pune before 5 pm on 2 March 2021.**
- d) **If a student wants to withdraw from a course within 1 month of the date of commencement of the course, then 50% of the total course fees along with all the GST paid will be deducted, and the balance amount will be refunded. The signed withdrawal forms should be submitted at the admitted training centre before 5 pm on 2 April 2021.**
- e) **If a student wants to withdraw from a course after 2 April 2021, then there will not be any refund of fees.**
- f) **The full caution deposit of Rs 10,000 + GST will be refunded to the candidates who are not allocated any seat in the third round of seat allocation based on the second counselling. However, the caution deposit will not be refunded to the candidates to whom any seats are allocated through the third round.**

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**Important Note:** In case a candidate is found to be non-eligible during any stage of the admission process or course delivery, his/her admission will stand cancelled with immediate effect and he/she will be subjected to the penalty clauses stated above.

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**For the initial two months, all PG Diploma classes of March 2021 batch will be held in online mode. After this, the classes will be continued in physical mode at the respective training centres.**

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**Important Note:** Commencement of physical classes will depend on the situation of pandemic or any other natural calamities and the government guidelines in this regard.

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**In all matters concerning admissions, the decision of C-DAC shall be final and binding on all the candidates. With regard to the interpretation of the provisions of any matter not covered in this Admission Booklet, the decision of C-DAC shall be final and binding on all the parties concerned.**

## 15. Important Dates

**Table 11: Important dates related to admission to C-DAC's PG Diploma courses of March 2021 batch through the C-CAT of January 2021.**

| No. | Event  | Date                                  |                        |
|-----|--|---------------------------------------|------------------------|
| a   | Beginning of Online Registration and Application for C-CAT   | 1 December 2020                       |                        |
| b   | <b>Closing of Online Registration &amp; Application, and Payment of Examination Fee for C-CAT</b>                                    | <b>30 December 2020</b>               |                        |
| c   | Downloading of C-CAT Admit Cards   | 6 - 14 January 2021                   |                        |
| d   | <b>C-DAC's Common Admission Test (C-CAT)</b>   | <b>10 January 2021</b>                | <b>17 January 2021</b> |
| e   | Announcement of C-CAT Ranks  | 25 January 2021                       |                        |
| f   | <b>Online Selection of Courses and Centres (1<sup>st</sup> Counselling)</b>  | <b>25 - 30 January 2021</b>           |                        |
| g   | Declaration of First Round of Seat Allocation  | 1 February 2021                       |                        |
| h   | <b>Last Date of Payment of first installment course fee (Rs 10,000 + GST) for candidates allocated seats through the first round</b> | <b>8 February 2021 (till 5pm)</b>     |                        |
| i   | Declaration of Second Round of Seat Allocation   | 10 February 2021                      |                        |
| j   | Last Date of Payment of first installment course fee (Rs 10,000 + GST) for candidates allocated seats through the second round       | 15 February 2021 (till 5pm)           |                        |
| k   | <b>Payment of caution deposit (Rs 10,000 + GST) and Online Selection of Courses and Centres (2<sup>nd</sup> Counselling)</b>         | <b>16-19 February 2021 (till 5pm)</b> |                        |
| l   | Declaration of Third Round of Seat Allocation (based on 2 <sup>nd</sup> Counselling)   | 20 February 2021                      |                        |
| m   | <b>Last Date of Payment of Balance Course Fee</b>  | <b>25 February 2021</b>               |                        |
| n   | Uploading and Verification of Eligibility Certificates, and Registration of Students   | 1 March 2021                          |                        |
| o   | <b>Commencement of PG Diploma Courses across India through online mode</b>   | <b>2 March 2021</b>                   |                        |
| p   | <b>Commencement of physical classes across India</b>   | <b>3 May 2021*</b>                    |                        |
| q   | <b>End of PG Diploma Courses across India</b>  | <b>28 August 2021*</b>                |                        |

*\* The last two dates mentioned above depend on the situation of pandemic or any other natural calamities.*

## 16. What Happens on the Important Dates?

|     |  |                 |
|-----|--|-----------------|
| (a) | Beginning of Online Registration and Application for C-CAT | 1 December 2020 |
|-----|--|-----------------|

### ***Step 1: C-CAT Registration***

The process of admission to C-DAC's PG Diploma courses begins with registration of prospective candidates on the C-DAC website, [www.cdac.in](http://www.cdac.in) or [acts.cdac.in](http://acts.cdac.in). Candidates are advised to read the instructions carefully while filling the online registration and application forms. Upon registering, candidates will get their Form Number that can be used to log in and fill the C-CAT application form online.

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**Important Note:** The Form Number and password must be remembered by the candidate as it will be the reference number and login ID of the candidate during the whole admission process.

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### ***Step 2: C-CAT Application – Filling Personal Details***

Once candidates have completed registration, the next step is to log in and fill the C-CAT application form by entering the personal and qualifying degree details.

### ***Step 3: C-CAT Application – Selection of Category of Courses***

Next, candidates have to select the category (I or II or III) of PG Diploma courses which they wish to apply.

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#### ***Important Notes:***

- (i) Candidates selecting category III can apply for all PG Diploma courses of C-DAC, provided they are eligible for these courses.
  - (ii) Category II candidates can apply for the courses under category I and II, where as category I candidates can apply for PG-DGi only.
  - (iii) Once the application form is submitted online, candidates will not have option to change the category of courses selected in the application form.
- 

### ***Step 4: C-CAT Application – Uploading Candidate's Photo***

After filling the application form, candidates have to upload their clear passport size photograph.

### ***Step 5: C-CAT Application – Payment of Examination Fee***

The next step is the online payment of C-CAT fee. The details of payment are given in the section **C-CAT Fee**.

### **Step 6: C-CAT Application – Selection of Examination Date**

Once the examination fee is paid, candidates have to choose the date for appearing C-CAT (either 10<sup>th</sup> or 17<sup>th</sup> January, 2021). C-CAT dates will be sequentially allocated to candidates (on first-come, first-served basis) as per their online applications. Once the capacity is full on any C-CAT date, that date will no longer be shown in the drop-down list on the online application form.

The steps successfully completed in the application process are shown with a tick-mark on the main menu of the online application. Candidates are advised to print/screen-shot their filled-in application form that can be obtained by clicking the 'View/Print Application Form' on the main menu and keep it for their records. **Candidates facing any issues during online registration and application may contact C-DAC ACTS Pune (020-25503143 ; [actssupport@cdac.in](mailto:actssupport@cdac.in)).**

|            |   |                         |
|------------|---|-------------------------|
| <b>(b)</b> | <b>Closing of Online Registration &amp; Application, and Payment of Examination Fee for C-CAT</b> | <b>30 December 2020</b> |
|------------|---|-------------------------|

The online registration and application of candidates for C-CAT will close on 30 December 2020. The payment of examination fee will also be closed at this point.

|            |   |                            |
|------------|---|----------------------------|
| <b>(c)</b> | <b>Downloading of C-CAT Admit Cards</b> | <b>6 - 14 January 2021</b> |
|------------|---|----------------------------|

Candidates can download their C-CAT admit cards during this period by logging in on the C-DAC website. After downloading the admit cards, candidates should examine all the entries therein and also carefully read and follow the instructions on the cards. In case of any discrepancy in the details provided, or if candidates are unable to download the online admit card, then they should contact C-DAC ACTS Pune immediately through phone (020-25503134/136/128/107) or e-mail ([actssupport@cdac.in](mailto:actssupport@cdac.in)), giving their name and application form number.

**Candidates have to display their admit cards to the remote invigilators before starting the online C-CAT.** No candidate will be permitted to appear for C-CAT without showing the admit card. Candidates will not be able to download their admit cards, if they have not made the payment of C-CAT fee before the last date of payment, or if they have not selected the C-CAT date while applying for C-CAT.

|            |  |                        |                        |
|------------|--|------------------------|------------------------|
| <b>(d)</b> | <b>C-DAC's Common Admission Test (C-CAT)</b> | <b>10 January 2021</b> | <b>17 January 2021</b> |
|------------|--|------------------------|------------------------|

The online C-CAT for admission to C-DAC's March 2021 batch of PG Diploma courses will be conducted on two dates, viz., 10 January 2021 and 17 January 2021. The details of C-CAT are given in the section **C-DAC's Common Admission Test** of this Admission Booklet. **Candidates can give the online C-CAT from their homes using their laptops/PCs.** It cannot be given from mobile phones. **Candidates must appear for C-CAT on the specified date mentioned on their admit card.** Latecomers will be neither given any extra time nor refund of examination fee.



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**Important Note:** Candidates who have opted Category I in their application form can appear for only section A of C-CAT. Category II candidates can appear for Sections A and B, whereas Category III candidates can appear for all the Sections (A, B and C) of C-CAT.

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After logging in for the test, candidates need to show their admit card and any photo identity card to verify and confirm their identity. Before attempting the online questions during C-CAT, candidates are advised to carefully read and follow the instructions given along with the admit card and question paper. **Candidates need to ensure their webcam and microphone are switched on and their face is clearly visible during the whole test.** While appearing C-CAT, no other person should be available near the candidate.

Accessing other websites and/or using calculators/mobile phones/electronic gadgets is not allowed during the test. Use of unfair means by a candidate, whether detected at the time of the test, evaluation or at any other stage, will lead to cancellation of his/her candidature. Candidates must ensure that they do not use any study/reference material / text books / external communications, etc. during C-CAT, which shall be treated as “use of unfair means”.

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**Important Note:** Candidates are advised to become familiar with the online C-CAT through the mock tests that will be made available a few days before the C-CAT dates.

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|     |                                      |                        |
|-----|--------------------------------------|------------------------|
| (e) | <b>Announcement of C-CAT Results</b> | <b>25 January 2021</b> |
|-----|--------------------------------------|------------------------|

C-CAT results will be published at 5 pm on the C-DAC website on 25 January 2021, which can be checked using candidate’s login. Candidates will be provided ranks based on their performances in Section A, Sections A+B and Sections A+B+C. If a candidate has appeared for multiple sections in C-CAT, he/she may be obtaining multiple ranks as explained in the section **C-CAT Ranking**. In order to be considered for admission to a desired course, a candidate’s name must appear in the C-CAT rank-list of the category corresponding to the desired course.

|     |  |                             |
|-----|--|-----------------------------|
| (f) | <b>Online Selection of Courses and Centres (1st Counselling)</b> | <b>25 - 30 January 2021</b> |
|-----|--|-----------------------------|

During these dates, candidates are required to give (online) their order of preferences of courses and training centres by logging in on the C-DAC website using their form number and password. **Depending on their C-CAT ranks, candidates will be allocated seats strictly based on their order of preferences of courses and centres.** Online selection of courses/centres will close on 30 January 2021. Candidates facing any issues during online selection of course/centre may contact C-DAC Mumbai through phone (022-27565308/ 26703251) or e-mail ([course-enquiry@cdac.in](mailto:course-enquiry@cdac.in)).

The list of courses offered and the maximum number of seats available at all training centres of C-DAC are given in Table 4 of this Admission Booklet. During counselling, a candidate may give as many course-centre preferences as desired. Rank-wise seat allocation will be done based on these preferences and the availability of seats. **Under any circumstance, a candidate will not be allocated another course/centre which was not given as a preference during the counselling stage.**



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**Important Notes:**

- (i) Candidates will be permitted to give preferences for only those courses belonging to the category they had selected in the C-CAT application form.
  - (ii) Candidates are advised to verify the eligibility of each course before opting for it during choice filling. It will entirely be the responsibility of candidates to prove that they satisfy the minimum eligibility requirements of the courses for which they are seeking admission.
- 

**After choosing the preferred courses and centres in the Choice Filling software, candidates should save their preferences.** The unsaved preference list will be shown in red background and will be lost upon logging out without saving. The saved preference list can be modified (if required) and again saved by the candidate till 30 January 2021. These course-centre preferences will be considered in the seat allocation process in their order of preferences. Candidates will have the option to print the list of course-centre preferences saved by them.

Candidates can add or delete preferences and also change their order of preferences until 30 January 2021. **The last-saved course-centre preferences will be considered as final and a candidate cannot opt for a lower preferred choice if he/she is allocated a higher preference in any round of seat allocation.**

---

**Important Notes:**

- (i) The ORDER of preferences of courses/centres is very important, as seat allocations will happen strictly as per the order given by the candidates and their C-CAT ranks.
  - (ii) **If a candidate has not given preference for a particular course or a centre during the choice filling stage, he/she will not be considered for this particular course/centre in any further admission process.**
  - (iii) After the last date of choice filling, there is no provision for a candidate to edit/add/delete any preferences, even for the second round of seat allocations.
- 

|            |  |                        |
|------------|--|------------------------|
| <b>(g)</b> | <b>Declaration of First Round of Seat Allocation</b> | <b>1 February 2021</b> |
|------------|--|------------------------|

The course and centre allocated to the candidates are published online at 5 pm on 1 February 2021. Admissions to various courses at different training centres are offered in the order of C-CAT ranks and preferences of courses and centres given by the candidate and the number of seats available for the courses at the particular centres. If some candidates' ranks are not good enough to get them their top preferences, they may be offered their lower preferred courses/centres depending on their ranks. Such candidates **may be** allocated their higher-preferred course/centre in the second round of seat allocation, depending on their ranks.

Candidates will get to know the course/centre allocated to them by logging in on the C-DAC web site. All the seat-allocated candidates will also receive an e-mail notification. Once a candidate is allocated a centre, no manual request for transfer to another centre may be considered at any stage. **Seat allocation will happen only as per the order of preferences already given by the candidates.**

|     |  |  |
|-----|--|--|
| (h) | <b>Last date of payment of first installment course fee for candidates allocated seats through the first round</b> | <b>8 February 2021<br/>(till 5 pm)</b> |
|-----|--|--|

Once a seat is offered to a candidate, he/she must pay the first installment fee of Rs 10,000/- + GST as applicable in February 2021 as a token amount to confirm the admission. The mode of payment of fee is explained in the section [Payment of Course Fee](#). Online payment of first installment course fee should be strictly done before 5 pm on 8 February 2021. Delays due to any reason are not acceptable.

**Candidates who have been offered seats through the first round of seat allocation, but have not paid the first installment by 5 pm on 8 February 2021 will not be considered for the second round of seat allocation.** It will be assumed that these candidates do not want to take admission and their names will be removed from the second round of seat allocation processing. Therefore, in order to be considered for the second round of allocation, candidates are advised to pay the first installment and confirm their admission, even if the course/centre allocated in the first round is not their top preference. It may happen that the candidate may be allocated a higher-preferred course/centre in the second round of seat allocation.

|     |   |                         |
|-----|---|-------------------------|
| (i) | <b>Declaration of Second Round of Seat Allocation</b> | <b>10 February 2021</b> |
|-----|---|-------------------------|

Candidates who have already filled their choices of centres/courses but are not offered seats in the first round of seat allocation will be considered for the second round of seat allocation. In addition, candidates who have been already allocated seats in the first round of allocation, but did not get their top preferences, will also be considered in this round of seat allocation for their higher-preferred courses. The second round of seat allocation will be based on the preferences already given by the candidates during the first counselling (before the first round of allocation).

Upon logging in on the C-DAC website on 10 February 2021, candidates will get to know the course/centre allocated to them in the second round. All the candidates who have got their seats allocated in this round will also receive an e-mail notification.

|     |   |   |
|-----|---|---|
| (j) | <b>Last date of payment of first installment fee for candidates allocated seats first-time through the second round</b> | <b>15 February 2021<br/>(till 5 pm)</b> |
|-----|---|---|

Candidates who are allocated seats for the first time through the second round are required to pay the first installment fee of Rs 10,000/- + GST on it as applicable in February 2021 as a token amount to confirm their admission. The mode of payment of fees is explained in the section [Payment of Course Fee](#). Online payment of first installment course fee should be strictly done before 5 pm on 15 February 2021. Delays due to any reason are not acceptable. **Candidates who have already paid the first installment fee after the first round of seat allocation are not required to pay this amount again.**

**Important Note:** Candidates who have been allocated seats in any round of seat allocation, but have failed to confirm their admission (by not paying the first installment course fee) will have their seat allocations cancelled.

|     |  |  |
|-----|--|--|
| (k) | <b>Payment of caution deposit and online selection of course and centre (2<sup>nd</sup> Counselling)</b> | <b>16-19 February 2021<br/>(till 5 pm)</b> |
|-----|--|--|

The second counselling (choice filling) will be done online by the candidates during 16-19 February 2021 for the vacant seats available at C-DAC's training centres. In this new choice filling too, candidates can give preferences only for those courses belonging to the category for which they have ranks in C-CAT. Seat allocations will be done based on their rank and course-centre preferences for the vacant seats only.

After logging in on the C-DAC website, candidates can check their centre/course eligibility for second counseling based on the C-CAT cut-off rank of the centre/course. **Only the courses/centres that are rank-wise eligible for the candidate will be displayed in his/her list.** Candidates can give their order of preferences of only the eligible courses and training centres. The details of the counselling process are given in section 16(f) of this Admission Booklet.

Candidates who have ranks obtained through the C-CAT conducted in January 2021 can participate in the second counselling, provided they belong to one of the following categories:

- Candidates who did not participate in the first choice filling (counselling) during 25-30 January 2021.
- Candidates who were not allocated seats based on the first choice filling (counselling).
- Candidates who were allocated seats based on the first choice filling, but have not paid the first installment course fee.
- Candidates who were allocated seats based on the first choice filling and have paid the first installment fee, but subsequently withdrawn their admissions.

**In order to participate in second counselling, candidates belonging to the above-mentioned four categories have to pay a caution deposit of Rs 10,000/- + GST on it as applicable in February 2021. After the confirmation of payment of this caution deposit, candidates can give as many preferences of eligible centre/courses from the available list.**

---

**Important Notes:**

- In the second choice-filling, candidates should give preference to any centre/course only if they are keen on taking admission to it. Caution deposit shall not be refunded to candidates who are allocated seats in the third round.**
  - Candidates may note that, in anticipation of getting a higher preferred course through the second counselling, withdrawing or not confirming admission of a seat allocated through the first counselling may be a risky affair.
- 

Candidates facing any issues during online selection of course/centre may contact C-DAC Mumbai through phone (022-27565308/26703251) or e-mail (course-enquiry@cdac.in).

|     |  |                         |
|-----|--|-------------------------|
| (l) | <b>Declaration of Third Round of Seat Allocation</b> | <b>20 February 2021</b> |
|-----|--|-------------------------|

The course and centre allocated to the candidates who participated in the second counselling are published online on 20 February 2021. Candidates are allocated the vacant seats based on their ranks and fresh preferences given in the second counselling. They will get to know the course/centre allocated to them by logging in on the C-DAC website, and also through email.

**The full caution deposit of Rs 10,000/- + GST shall be refunded to the candidates who are not allocated any seat in the third round. Candidates who are allocated seats in the third round should go ahead with their seats. No caution deposit shall be refunded to the candidates to whom seats are allocated through the third round.**

|     |   |                         |
|-----|---|-------------------------|
| (m) | <b>Last Date of Payment of Balance Course Fee</b> | <b>25 February 2021</b> |
|-----|---|-------------------------|

Candidates who have confirmed their admission by paying the first installment course fee are required to pay the balance course fee on or before 25 February 2021. The second (final) installment amount of Rs 71,000/- + GST on it as applicable in February 2021 (Rs 93,500/- + its GST for PG-DBDA and Rs 125,000/- + its GST for PG-DAI) can only be paid through NEFT. The various steps for NEFT payment are explained in the section [Payment of Course Fee](#) of this Admission Booklet.

|     |   |                     |
|-----|---|---------------------|
| (n) | <b>Uploading and Verification of Eligibility Certificates, and Registration of Students</b> | <b>1 March 2021</b> |
|-----|---|---------------------|

Upon payment of full fees and proving the course eligibility, the selected candidates will be enrolled as C-DAC students at their respective allocated training centres. Candidates need to fill up and submit course registration forms online during registration. They are required to upload their passport-size colour photographs and qualifying degree certificate or provisional/passing certificate from the university.

Candidates who do not have their qualifying degree certificate (including candidates who have appeared for the qualifying examination and awaiting results) will be given provisional admission on submitting (at the admitting centre) the proof that they have already appeared for all the examinations of their qualifying degree at the time of registration. These students will have to submit (at the admitted centre) the proof of having passed the qualifying degree with the required minimum marks by 30 June 2021 to confirm their admission.

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**Important Note:** Candidates who are provisionally admitted as C-DAC students but are unable to produce the proof of qualification by 30 June 2021 will have their admissions cancelled. They will not be eligible for any refund of fees.

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|     |   |                     |
|-----|---|---------------------|
| (o) | <b>Commencement of PG Diploma Courses through online mode</b> | <b>2 March 2021</b> |
|-----|---|---------------------|

Classes for the March 2021 batch of all the PG Diploma courses at all training centres of C-DAC will begin on 2 March 2021 in ONLINE mode. **The PG Diploma classes will be held in online mode for the first two months.**

Candidates/students wishing to withdraw their admission during any stage of the admission process or course delivery must follow the guidelines mentioned in the section **Cancellation & Refund**. Penalties levied on such candidates/students are also explained in this section.

Requests of students to relocate to another centre after taking admission at one centre may not be entertained except in certain exceptional cases like serious medical reasons that occurred after the choice-filling process. Such request letters along with valid certificates/proofs are to be addressed to the head of the allocated/admitted training centre. Depending on the seriousness of the applications, C-DAC shall take an appropriate decision on the transfer request. Even in all such exceptional cases, C-CAT ranking will be strictly followed. If this transfer is to a course with higher fees, the difference in amount of fees is to be paid by the candidate. However if the transfer is to a course with lower fees, no part of the fees will be refunded by C-DAC.

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**Important Notes:**

- (i) C-DAC reserves the right to cancel a course at any centre, if conducting the course is not viable due to lack of the required minimum number of students. If a course is cancelled by C-DAC, the fees paid will be refunded to the candidates or alternate admission will be offered as per their ranks.
  - (ii) C-DAC has the right to cancel, at any stage, the admission of any candidate who is found to have been admitted to a course to which he/she is not entitled, being unqualified or ineligible in accordance with the rules and regulations in force.
- 

|     |  |                   |
|-----|--|-------------------|
| (p) | <b>Commencement of physical classes across India</b> | <b>3 May 2021</b> |
|-----|--|-------------------|

After the first two months of online classes, the PG Diploma classes will be continued in physical classroom mode at the respective training centres allocated to students in the final seat allocations of February 2021. **The physical classes will start on 3 May 2021.** Students are advised to make their travel plans accordingly.

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**Important Note:** Commencement of physical classes will depend on the situation of pandemic or any other natural calamities and the government guidelines in this regard.

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## **17. Details of PG Diploma Courses**

### **17.1 Post Graduate Diploma in Advanced Computing (PG-DAC)**

PG-DAC is the most popular PG Diploma course of C-DAC. The course is targeted towards engineering graduates and MCA/MSc who wish to venture into the domain of advanced computing. The course aims to groom the students to enable them to work on current technology scenarios as well as prepare them to keep pace with the changing face of technology and the requirements of the growing IT industry. The entire course syllabus, courseware, teaching methodology and the course delivery have been derived from the rich research and development background of C-DAC. Running successfully for 25 years, the PG-DAC course has produced thousands of professionals, who are well positioned in the industry today. The major modules covered in PG-DAC are:

- Basic Programming Concepts
- Operating System Concepts
- Object Oriented Programming in Java
- Algorithms & Data Structures using Java
- Software Development Methodologies
- Web Programming Technologies
- Database Technologies
- Web-based Java Programming
- Microsoft .Net Technologies
- Aptitude & Effective Communication
- Software Project

### **17.2 Post Graduate Diploma in Embedded Systems Design (PG-DESD)**

Realizing the growth of embedded systems in day-to-day life and the need for trained manpower in this promising area, C-DAC launched PG-DESD for engineers in Computers, Electronics and IT. Embedded Systems is a unique field, where engineers need to have sound knowledge in hardware and software design. Keeping this aspect in view, C-DAC has designed this course giving equal emphasis to hardware and software, enabling engineers to face challenges in the design and development of state-of-the-art embedded systems. The latest curriculum includes a module on Internet of Things (IoT), specifically focusing on IoT architectures, applications, standards and protocols. The course has also been recently updated with a module dedicated on Embedded Hardware Design and Development. The major modules covered in PG-DESD are:

- Embedded Systems Concepts, Design and Tools
- Programming Concepts
- Microcontroller Programming and Interfacing
- Embedded Hardware Design and Development
- Embedded Operating Systems
- Embedded Linux Device Drivers
- Real-Time Operating Systems
- Internet of Things (IoT)

- Aptitude & Effective Communication
- Project and Seminar

### **17.3 PG Diploma in Big Data Analytics (PG-DBDA)**

PG-DBDA will educate the aspirants who want to make an impact in the corporate and academic world in the domain of big data analytics as data scientist and researcher, big data leads/administrators/managers, business analysts and data visualization specialists. The course is also suitable for those who are already working in analytics to enhance their theoretical and conceptual knowledge as well as those with analytical aptitude and would like to start career in big data analytics in different business sectors. The collaboration with the different multi-national companies at the level of mutual research interests and customer related projects will ease the path for campus recruitment. The students will be able to work with big data platform, analyze various big data analysis techniques for useful business applications, design efficient algorithms for mining the data from large volumes, analyze the HADOOP and Map Reduce technologies associated with big data analytics, and explore big data applications. Modules covered in PG-DBDA are:

- Linux Programming and Cloud Computing
- Python and R programming
- Object Oriented Programming with Java 8
- Advanced Analytics using Statistics
- Data Collection and DBMS (Principles, Tools & Platforms)
- Big Data Technologies
- Data Visualization - Analysis and Reporting
- Practical Machine Learning
- Effective Communication
- Aptitude & General English
- Project

### **17.4 Post Graduate Diploma in IT Infrastructure, Systems & Security (PG-DITISS)**

PG-DITISS is targeted towards grooming students in the arena of human-computer interaction and cyber and network security. The objective of this course is to enable the students to understand the concepts of network security and learn the techniques of detecting the attacks and securing a network from internal and external attacks. At the end of the course, the student will be able to recognise a variety of generic security threats and vulnerabilities, understand the principles and practices of cryptographic techniques, identify and analyze particular security problems for a given application and apply appropriate security techniques to solve the security issues. The major modules covered in PG-DITISS are:

- Fundamental of Computer Networks
- Concepts of Operating System and Administration
- Security Concepts



- Network Defense and Countermeasures
- Compliance Audit
- Cyber Forensics
- Public Key Infrastructures
- IT Infrastructure Management
- Effective Communication
- Aptitude & General English
- Project

### **17.5 Post Graduate Diploma in VLSI Design (PG-DVLSI)**

PG-DVLSI is a pioneering course offered by C-DAC to assist engineers who wish to gain theoretical as well as practical knowledge in the field of Very Large Scale Integration (VLSI) design. It will also prepare them to keep pace with the changing trends of VLSI technology and the requirements of an ever-growing VLSI design industry. The entire course syllabus, courseware, teaching methodology and the course delivery have been derived from the rich research and development background of C-DAC, which has a legacy of designing the PARAM range of supercomputers. The major modules covered in PG-DVLSI are:

- Advanced Digital Design
- System Architecture
- Linux Shell Scripting & Python
- Verilog HDL
- HDL Simulation and Synthesis
- Programming Fundamentals for Design and Verification
- System Verilog
- Verification using UVM
- CMOS VLSI and Aspect of ASIC Design
- Aptitude & Effective Communication
- Project

### **17.6 Post Graduate Diploma in Internet of Things (PG-DIoT)**

This course will enable the students to utilize various embedded technologies related to IoT, Sensor Networks, Communication Protocols, Cloud Computing, Accessing Resources and Services needed to perform functions with dynamically changing needs. It will also help to understand the IoT privacy and security concepts for secured IoT environment and to utilize the various IoT platforms to explore real time IoT application areas. After the course, students will be able to explore modern IoT trends and to undertake industrial research projects for the development of future solutions in the domain of Data Analytics to make an impact in the technological advancement. They will be able to use advanced IoT Tools/ Decision-Making Tools/ Operation Research Techniques to analyze the complex problems and get ready to develop such new techniques for the future. Modules covered in PG-DIoT are:



- Introduction to IoT and IoT Case Studies
- Programming Technologies
- Microcontroller Programming
- Embedded Linux Platform
- Network Programming and Wireless Technologies
- Data Management and Analytics
- Java Programming and Web applications
- IoT Protocols
- Edge and Cloud Computing
- IoT Security
- Aptitude and Effective Communication
- Project

### **17.7 Post Graduate Diploma in Artificial Intelligence (PG-DAI)**

The objective of the PG-DAI course is to present in-depth knowledge and applications in Artificial Intelligence using tools and case studies. Upon completion of this course, participants will be empowered to use computational techniques in the area of Artificial Intelligence, Natural Language Processing, Machine Learning and Deep Learning based applications. The major modules covered in PG-DAI are:

- Mathematics for Artificial Intelligence
- Advanced Programming using Python & R
- Data Analytics
- Fundamentals of Artificial Intelligence
- Practical Machine Learning
- Reinforcement Learning
- Deep Neural Networks
- Natural Language Processing & Computer Vision
- AI Compute Platforms, Applications & Trends
- Effective Communication
- Aptitude & General English

### **17.8 Post Graduate Diploma in Mobile Computing (PG-DMC)**

PG-DMC is one of the most sought-after courses of C-DAC. The course is targeted towards electronics/computer sciences/IT engineers who wish to venture into the domain of mobile computing. The course aims to groom the students to enable them to work on current technology scenarios as well as prepare them to keep pace with the changing face of technology and requirements of an exponentially growing mobile industry. The entire course syllabus, courseware, teaching methodology and the course delivery have been derived from the rich research and development background of C-DAC. The major modules covered in PG-DMC are:

- OS concepts and Linux Programming
- Introduction to DBMS
- OOPs with Java Programming
- Algorithms and Data Structure
- Java Programming-II (Advanced Java)
- Mobile Programming
- Hybrid Mobile Apps Programming
- Wireless Connectivity, Mobility and Analytics
- Effective Communication
- Aptitude & General English
- Project

### **17.9 Post Graduate Diploma in Advanced Secure Software Development (PG-DASSD)**

In today's scenario, cyber security threats are majorly addressed reactively; but by following proper software security practices we can minimize attacks and address this problem proactively. PG-DASSD course focuses on security requirements for modern software development with equal emphasis on programming foundations to make the students suitable to work in IT industry from day one. The course gives special emphasis to the emerging technologies such as blockchain technology and machine learning, and their use cases in cyber security. Objective of the course is to make students strong in programming basics, software security, current & emerging technology trends and prepare them to be on par with the changing technologies and the requirements of IT industry. The major modules covered in PG-DASSD are:

- Basics of Secure Programming
- Data Structures and Algorithms
- Linux System Programming
- Network Security Essentials
- Software Security
- Secure Network Programming
- Secure Java Programming
- Secure Android Programming
- Secure Web Application Development
- Machine Learning for Cyber Security
- Aptitude & Effective Communication
- Project and Seminar

### **17.10 Post Graduate Diploma in HPC System Administration (PG-DHPCSA)**

PG-DHPCSA will educate the aspirants who want to make an impact in the corporate and academic world in the domain of High Performance Computing system administration as System Administrator, Storage Administrator and IT Infrastructure Specialist. The course is also suitable for those who are already working in HPC administration domain to enhance their theoretical and conceptual knowledge as well as those who would like to

start career in HPC administration. The collaboration with the different multi-national companies at the level of mutual research interests and customer related projects will ease the path for campus recruitment. At the end of the course the students will be able to manage HPC infrastructure like network, storage, resource and backup management, efficiently design data center, maintain the HADOOP cluster and map reduce technology, explore on HPC applications and solutions, and understand the fundamentals of various cloud techniques and system security. Modules covered in PG-DHPCSA are:

- Computer Architecture
- Linux Operating System and Perl
- HPC System Administration and Management
- Python Programming
- Fundamentals of Computer Network and Management
- Storage and Backup Management
- Resource Management and Accounting
- Security and Traffic Management
- Hadoop Administration
- Cloud Services and Security
- Aptitude and Effective Communication
- Project

#### **17.11 Post Graduate Diploma in Geoinformatics (PG-DGi)**

Geoinformatics or Geomatics is the synergy of multiple disciplines, namely, GIS, remote sensing, photogrammetry, cartography, GPS and geodesy. It is fundamental to all the disciplines that use data identified by their locations. PG-DGi aims to provide conceptual knowledge on GIS, remote sensing and related fields, and hands-on training in GIS, satellite data interpretation, digital image processing, digital photogrammetry, digital cartography and GPS. There are also three electives, i.e., GIS Development, RDBMS and Geomatics Business & Project Management. Application of Geoinformatics in various development contexts are analysed through appropriate case studies. The course contents have been designed keeping in view the emerging trends in the field of Geoinformatics and the increasing needs of skilled manpower. Subjects covered in PG-DGi are:

- Geographic Information Systems (GIS)
- Global Positioning Systems (GPS)
- Remote Sensing
- Digital Image Processing
- Geospatial Programming (IT Domain)
- Geospatial Programming (GIS Domain)
- Geostatistics with R and Spatial Analysis
- Trends in Geoinformatics,
- RS & GIS Applications
- Aptitude and Effective Communication
- Project & Seminar

### **17.12 Post Graduate Diploma in Biomedical Instrumentation & Health Informatics (PG-DBIHI)**

The importance of biomedical engineers in the fast-growing healthcare industry is now well acknowledged and consequently new career options are available to them in healthcare industries both nationally and internationally. The PG-DBIHI course is designed to mould engineers who can serve in healthcare industry, as well as in companies dealing with medical equipments. Keeping this aspect in view, C-DAC has designed the PG-DBIHI giving emphasis to medical equipments, enabling engineers to face challenges in R&D, medical equipment manufacturing industry, Hospitals, medical equipment standardization and calibration. The modules will provide in-depth study of a wide range of medical equipments, with the opportunity for specialisation according to the students' interests and future career aspirations. The expected learning outcome is the acquisition of a wide knowledge of a variety of medical equipments and understanding of concepts in healthcare informatics. The major modules covered in PG-DBIHI are:

- Programming Concepts
- Digital Signal Processing
- Microcontroller and Interfacing
- PCB CAD/ CAM
- Bio-Medical Instrumentation
- Health Informatics
- Project Work and Seminar

## **18. Laptop/Desktop Configuration & Software Requirements for Online Classes**

### **18.1 PG Diploma in Advanced Computing (PG-DAC)**

| <b><i>Client Machine (Desktop/Laptop)</i></b>         |  |                                |
|---|--|--------------------------------|
| Processor : Intel Core i3 or above                    |  |                                |
| Memory : 8 GB RAM or above                            |  |                                |
| Hard Disk : 500 GB                                    |  |                                |
| Video Card : Intel Integrated Graphics                |  |                                |
| <b><i>Network</i></b>                                 |  |                                |
| Ethernet / WiFi with 25 Mbps Speed Connection (UL/DL) |  |                                |
| <b><i>Software/ Hardware Required</i></b>             |  |                                |
| <b>Module Name</b>                                    | <b>Software</b>  | <b>Hardware</b>                |
| All Modules   | Windows 10/ Linux Cent OS 6.4/ Fedora 8.0/ Ubuntu 64 bit or latest version ; Open/Microsoft Office Mozilla/Chrome latest version | Web Camera, Headphone with Mic |
| Fundamentals of Programming                           | JDK 8.0 or latest version, Eclipse latest version, Apache Tomcat 8.0 or latest version   | --                             |
| Algorithms & Data Structures                          |  | --                             |
| Objected Oriented Programming with Java               |  | --                             |
| Web-based Java Programming                            |  | --                             |
| Operating System Concepts                             | GCC, Secure Shell, VM Editor   | --                             |
| Database Technologies                                 | MySQL 5.7 or latest version, MongoDB   | --                             |
| Web Programming Technologies                          | Visual Studio Code latest version, XAMPP   | --                             |
| Software Engineering & Project                        | Star UML   | --                             |

### **18.2 PG Diploma in Embedded System Design (PG-DESD)**

|  |  |  |
|--|--|--|
| <b><i>Client Machine (Desktop/Laptop)</i></b>      |  |  |
| Processor : Intel Core i3 or above                 |  |  |
| Memory : 8 GB RAM or above                         |  |  |
| Hard Disk : 500 GB                                 |  |  |
| Video Card : Intel Integrated Graphics             |  |  |
| <b><i>Network</i></b>                              |  |  |
| Ethernet /WiFiwith 25Mbps Speed Connection (UL/DL) |  |  |
| <b><i>Software/ Hardware required</i></b>          |  |  |

| Module Name                                 | Software                              | Hardware                          |
|---|---------------------------------------|-----------------------------------|
| All Modules                                 | Ubuntu 18.04 / 20.04 and Windows      | Web Camera,<br>Headphone with Mic |
| Programming Concepts                        | Ubuntu                                |                                   |
| Microcontroller Programming and Interfacing | Ubuntu / Windows (vm lab, KeilVision) |                                   |
| Embedded Operating System                   | Ubuntu                                |                                   |
| Real Time Operating System                  | Ubuntu                                |                                   |
| Embedded Hardware Design and Development    | Autodesk Eagle                        |                                   |

### 18.3 PG-Diploma in Big Data Analytics (PG-DBDA)

| <b><i>Client Machine (Desktop/Laptop)</i></b>   |   |                                   |
|---|---|-----------------------------------|
| Processor : Intel Core i5 or above  |   |                                   |
| Memory : 8 GB RAM or above  |   |                                   |
| Hard Disk : 500 GB  |   |                                   |
| Video Card : Intel Integrated Graphics (suggested – 4 GB graphics card - NVIDIA or any) |   |                                   |
| <b><i>Network</i></b>   |   |                                   |
| Ethernet / WiFi with 25 Mbps Speed Connection (UL/DL)                                   |   |                                   |
| <b><i>Software/ Hardware Required</i></b>   |   |                                   |
| Module Name   | Software  | Hardware                          |
| All Modules   | Linux Cent OS 6.4/ Fedora 8.0/<br>Ubuntu 64 bit or latest version<br>Mozilla/Chrome latest version<br>Open Office | Web Camera,<br>Headphone with Mic |
| Linux Programming & Cloud   | Virtual Box, latest Linux Image   | --                                |
| Python and R programming  | Python 3.3.4, Sypder IDE ,<br>R Packages, R Studio  | --                                |
| Object Oriented Programming with Java 8   | Eclipse IDE or Netbeans   | --                                |
| Practical Machine Learning  | Python IDE, sklearn, seaborn,<br>matplotlib, tensorflow, pytorch  | --                                |
| Advanced Analytics using Statistics   | Pandas, Numpy, Scipy, Scrapy,<br>Plotly, Beautiful Soup, R Packages   | --                                |
| Data Collection and DBMS  | Oracle Database , MongoDB   | --                                |
| Big Data Technologies   | Hadoop tar, Spark, Hive, HBASE,<br>Airflow  | --                                |
| Data Visualization  | Power BI , Ms Excel   | --                                |

### 18.4 PG Diploma in IT Infrastructure, Systems & Security (PG-DITISS)

| <b>Client Machines (Desktop/Laptop)</b>               |  |                                 |
|---|--|---------------------------------|
| Processor : Intel Core i5                             |  |                                 |
| Memory : 8GB or above                                 |  |                                 |
| Hard Disk :500 GB (Free Space)                        |  |                                 |
| Video Card : Intel Integrated Graphics                |  |                                 |
| <b>Network</b>  |  |                                 |
| Ethernet / WIFI with 25 Mbps Speed Connection (UL/DL) |  |                                 |
| <b>Software/ Hardware required</b>                    |  |                                 |
| Module Name   | Software   | Hardware                        |
| All Modules   | Dual boot System (Cent OS 7 or above and Windows 10) ; Open Office/ Microsoft Office; Mozilla/Chrome latest version; Oracle VM VirtualBox; SSH Client (MobaXterm/PuTTY or similar) | Web Camera, Headphones with Mic |
| Fundamentals of Computers and Networks                | GNS  | --                              |
| Concepts of OS & Administration                       | Linux and Windows OS   | --                              |
| Network Defense and Countermeasures                   | Wireshark, putty, WinSCP, Nmap, TreePad tool, SIEM   |                                 |
| Compliance Audit                                      | ---  | --                              |
| Cyber Forensics                                       | FTK, Disk Imager   | --                              |
| IT Infrastructure Management                          | SNMP enumeration tool  |                                 |
| Security Concepts                                     | Netcat, OWASP, USB Pratirodh and AppSamvid tools for System security, guard, Metasploit, Nessus, Whois   | --                              |
| PKI   | Openca   | --                              |

### 18.5 PG Diploma in VLSI Design (PG-DVLSI)

| <b>Clients Machines ( Desktop/Laptop)</b>              |          |          |
|--|----------|----------|
| Processor : Intel Core i3                              |          |          |
| Memory : 8GB or above                                  |          |          |
| Hard Disk: 500 GB                                      |          |          |
| Video Card : Intel Integrated Graphics                 |          |          |
| <b>Network</b>   |          |          |
| Ethernet / WIFI with 25 Mbps Speed Connection (UL /DL) |          |          |
| <b>Software/ Hardware required</b>                     |          |          |
| Module Name  | Software | Hardware |

|   |   |                                 |
|---|---|---------------------------------|
| All Modules   | Dual boot System (Cent OS 7/ Fedora / Ubuntu and Windows 10) ; Open Office/ Microsoft Office; Mozilla/Chrome latest version | Web Camera, Headphones with Mic |
| Advanced Digital Design                               | --  | --                              |
| System Architecture                                   | --  | --                              |
| Programming Fundamentals for Design and Verifications | GCC, G++ complier   | --                              |
| Linux Shell Scripting & Python                        | Cent OS 7/ Fedora / Ubuntu latest version, Python 3.x   |                                 |
| Verilog HDL   | To be provided by the Training Centre   | --                              |
| HDL Simulation and Synthesis                          | To be provided by the Training Centre   | --                              |
| CMOS VLSI and aspect of ASIC design                   | To be provided by the Training Centre   | --                              |
| System Verilog  | To be provided by the Training Centre   | --                              |
| Verification using UVM                                | To be provided by the Training Centre   | --                              |

### **18.6 PG Diploma in Internet of things (PG-DIoT)**

| <b><i>Client Machine (Desktop/Laptop)</i></b>       |  |                                |
|---|--|--------------------------------|
| Processor : Intel Core i3 or above                  |  |                                |
| Memory : 8 GB RAM or above                          |  |                                |
| Hard Disk : 500 GB                                  |  |                                |
| Video Card : Intel Integrated Graphics              |  |                                |
| <b><i>Network</i></b>                               |  |                                |
| Ethernet /WiFi with 25Mbps Speed Connection (UL/DL) |  |                                |
| <b><i>Software/ Hardware required</i></b>           |  |                                |
| <b>Module Name</b>                                  | <b>Software</b>  | <b>Hardware</b>                |
| All Modules   | Windows 8 and above<br>Linux Cent OS 6.4/ Fedora 8.0/ Ubuntu 64 bit or latest version<br>Mozilla/Chrome latest version<br>Open Office  | Web Camera, Headphone with Mic |
| Introduction to IoT and IoT case studies            | ---  |                                |
| Programming technologies                            | GCC, Python 3.3.4, Code Editor (Vim or similar on linux, VS Code or similar on Windows) Python IDE, Pandas, Numpy, seaborn, matplotlib |                                |
| Microcontroller Programming                         | Keil u Vision, STM32CubeMX, putty  |                                |
| Embedded Linux Platforms                            | GCC, Qemu  |                                |



|   |   |  |
|---|---|--|
| Network Programming and wireless technologies | Cisco packet tracer, Wireshark, GCC                                   |  |
| Data Management and Analytics                 | MongoDB, MySQL, Spark   |  |
| IoT Protocols                                 | Contiki OS, Cooja Simulator, Wireshark, GCC, Python IDE               |  |
| Edge and cloud computing                      | Access to Cloud service providers (MS Azure, AWS, etc.), Docker, Jira |  |
| Java Programming and Web applications         | JDK 8.0 or latest version, Eclipse latest version, Visual studio code |  |
| IoT Security                                  | GCC, Python IDE, Wireshark  |  |

### 18.7 PG Diploma in Artificial Intelligence (PG-DAI)

| <b><i>Client Machine (Desktop/Laptop)</i></b>               |   |                                    |
|---|---|------------------------------------|
| Processor : Intel Core i5 or above                          |   |                                    |
| Memory : 8 GB RAM or above                                  |   |                                    |
| Hard Disk : 500 GB  |   |                                    |
| Video Card : 4 GB Graphics Card (NVIDIA GeForce MX250GDDR5) |   |                                    |
| <b><i>Network</i></b>                                       |   |                                    |
| Ethernet / WiFi with 25 Mbps Speed Connection (UL /DL)      |   |                                    |
| <b><i>Software/ Hardware required</i></b>                   |   |                                    |
| Module Name   | Software  | Hardware                           |
| All Modules   | Linux Cent OS 6.4/ Fedora 8.0/<br>Ubuntu 64 bit or latest version<br>Mozilla/Chrome latest version<br>Open Office | Web Camera ,<br>Headphone with Mic |
| Fundamentals of AI  | spider IDE, Jupiter notebook  | --                                 |
| Advanced Programming using Python                           | Python 3.6, Numpy, Scipy & Pandas   | --                                 |
| Mathematics for AI  |   | --                                 |
| Practical Machine Learning                                  | SKLearn, SEABorn, MATPLOTLIB,<br>TensorFlow, pyTorch Keras  | --                                 |
| Natural Language Processing & Machine Vision                | OpenCV, NLTK  | --                                 |
| Deep Neural Networks  | Google Colab  | --                                 |
| Data Analytics  | Python 3.6, Tableau   | --                                 |
| AI Compute Platforms, Applications & Trends                 | Spark 2.x, spyder IDE   | --                                 |

### 18.8 PG Diploma in Mobile Computing (PG-DMC)

| <b><i>Client Machine (Desktop/Laptop)</i></b>         |   |                                   |
|---|---|-----------------------------------|
| Processor : Intel Core i3 or above                    |   |                                   |
| Memory : 8 GB RAM or above                            |   |                                   |
| Hard Disk : 500 GB                                    |   |                                   |
| Video Card : Intel Integrated Graphics                |   |                                   |
| <b><i>Network</i></b>                                 |   |                                   |
| Ethernet / WiFi with 25 Mbps Speed Connection (UL/DL) |   |                                   |
| <b><i>Software/Hardware Required</i></b>              |   |                                   |
| Module Name   | Software  | Hardware                          |
| All Modules   | Linux Cent OS 6.4/ Fedora 8.0/<br>Ubuntu 64 bit or latest version<br>Mozilla/Chrome latest version<br>Open Office | Web Camera,<br>Headphone with Mic |
| OS Concepts & Linux                                   | GCC   | --                                |
| Introduction to DBMS                                  | MySQL, MongoDB  | --                                |
| Algorithms & Data Structures                          | GCC   | --                                |
| Objected Oriented Programming with Java               | JDK 8.0 or latest version, Eclipse latest version   | --                                |
| Web-based Java Programming                            |   | --                                |
| Android Programming                                   | Android studio 3.0 or above   | Any Android device                |
| Hybrid Mobile Apps Programming                        | Visual Studio Code latest version   | Any Android device                |
| All Modules   | Mozilla/Chrome latest version   | --                                |
| All Modules   | Open Office / Microsoft Office  | --                                |

### 18.9 PG Diploma in Advanced Secure Software Development (PG-DASSD)

| <b><i>Client Machine (Desktop/Laptop)</i></b>         |          |          |
|---|----------|----------|
| Processor : Intel Core i5 or above                    |          |          |
| Memory : 8 GB RAM or above                            |          |          |
| Hard Disk : 500 GB                                    |          |          |
| Video Card : Intel Integrated Graphics                |          |          |
| <b><i>Network</i></b>                                 |          |          |
| Ethernet / WiFi with 25 Mbps Speed Connection (UL/DL) |          |          |
| <b><i>Software/ Hardware Required</i></b>             |          |          |
| Module Name   | Software | Hardware |

|                                     |   |                                   |
|-------------------------------------|---|-----------------------------------|
| All Modules                         | Windows 7 and above<br>Ubuntu 64 bit<br>Open Office /Libre Office<br>Mozilla/Chrome latest version<br>Virtual Box | Web Camera,<br>Headphone with Mic |
| Basic of Secure Programming         | GCC, vim, GDB   | --                                |
| Data Structures and Algorithms      |   |                                   |
| Secure Java Programming             | JRE, JDK, Netbeans IDE  | --                                |
| Secure Android Programming          | Android studio 3.0 or above   | --                                |
| Secure Web Application Development  | NMAP  | --                                |
| Linux System Programming            | Virtual Box, latest Linux Image   | --                                |
| Software Security                   | Wireshark, pcap library   | --                                |
| Secure Network Programming          | Wireshark, openssl  | --                                |
| Machine Learning for Cyber Security | Python3, Anaconda distribution, MatPlot, Numpy, Pandas, scikit-learn library                                      | --                                |

### **18.10 Post Graduate Diploma in HPC System Administration (PG-DHPCSA)**

| <b><i>Machines (Desktop / Laptop)</i></b>  |  |                                    |
|--|--|------------------------------------|
| Processor : Intel Core i5 7 <sup>th</sup> generation & Above (or similar x86 processor from AMD) |  |                                    |
| Memory : 8 GB or more  |  |                                    |
| Storage: 500 GB or more  |  |                                    |
| <b><i>Network</i></b>  |  |                                    |
| Ethernet / WIFI with 25 Mbps Speed Connection (UL /DL)   |  |                                    |
| <b><i>Software/ Hardware required</i></b>  |  |                                    |
| Module Name  | Software   | Hardware                           |
| All Modules  | Dual boot System (Cent OS 7 or above and Windows 10) ; Open Office/Microsoft Office; Mozilla/Chrome latest version; Oracle VM VirtualBox; SSH Client (MobaXterm/ PuTTY or similar) | Web Camera,<br>Headphones with Mic |
| Computer Architecture  | -  | --                                 |
| Linux Operating System and Perl  | Code Editor (Vim or similar on linux, VS Code or similar on Windows); Compilers (gcc)  | --                                 |
| HPC System Administration and Management   | ROcks/Oscar , ganglia , HPcc benchmark software (hpl, DGEMM, stream, ptrans, random access, fft, communication bandwidth and latency ), MPI, Open MPI                              | --                                 |

|   |   |    |
|---|---|----|
| Python Programming                              | Python 3.3.4 or latest, Code Editor (Vim or similar on linux, VS Code or similar on Windows)                    | -- |
| Fundamentals of Computer Network and Management | Cisco Packet Tracer, Ofed   | -- |
| Storage and Backup Management                   | raid software, storage management software, Lustre, pvfs2, gpfs, backup software, ior/iozone (for Benchmarking) | -- |
| Resource Management and Accounting              | SGE, Torque, Slurm, Maui/moab, gold   | -- |
| Security and Traffic Management                 | Wireshark   | -- |
| Hadoop Administration                           | Hadoop Distribution Package   | -- |
| Cloud Services & Security                       | Access to Cloud service providers (MS Azure, AWS, etc.)   | -- |

### 18.11 PG Diploma in Geoinformatics (PG-DGi)

| <b><i>Client Machine (Desktop/Laptop)</i></b>               |   |                                |
|---|---|--------------------------------|
| Processor : Intel Core i3 or above                          |   |                                |
| Memory : 8 GB RAM or above                                  |   |                                |
| Hard Disk : 500 GB  |   |                                |
| Video Card : Intel Integrated Graphics                      |   |                                |
| <b><i>Network</i></b>                                       |   |                                |
| Ethernet / WiFi with 25 Mbps Speed Connection (UL/DL)       |   |                                |
| <b><i>Software/ Hardware Required</i></b>                   |   |                                |
| Module Name   | Software  | Hardware                       |
| All Modules   | Windows 10/ Linux Cent OS 6.4 ; Microsoft Office, Mozilla/Chrome latest version | Web Camera, Headphone with Mic |
| Geographic information system and Global Positioning system | Arc GIS, QGIS   | --                             |
| Remote sensing  | ERDAS IMAGINE   | --                             |
| Digital Image Processing                                    | ERDAS IMAGINE   | --                             |
| Geospatial Programming (IT Domain)                          | MySQL 5.7 or latest version, Python 3.3.4, Eclipse IDE or Netbeans              | --                             |
| Geospatial Programming (GIS Domain)                         | Python 3.3.4, PostGIS, PostgreSQL   | --                             |
| Geostatistics with R and Spatial Analysis                   | R Packages, R Studio  | --                             |

## 19. Address and Contact Details of C-DAC Training Centres where PG Diploma Courses are offered

| Name of Centre & City             | Address  | Contact Person                        | Email & Telephone No.  |
|-----------------------------------|--|---------------------------------------|--|
| Academy of IT (YCP) Mumbai        | 5th Floor, Y.B. Chavan Centre, General Jagannathrao Bhosale Marg, Nariman Point, Mumbai 400021                         | Brig. SN Guptan (Retd)                | <a href="mailto:aitycpmumbai@gmail.com">aitycpmumbai@gmail.com</a><br>022- 22043619 /17  |
| Astric Centre of Excellence Patna | Pratiksha Bhavan, Khajpura, Bailey Road, Patna, Bihar 800014   | Mr. Prabhat Kumar Sinha               | <a href="mailto:atcpatna@astric.in">atcpatna@astric.in</a><br>0612 2597031<br>8083997775   |
| Bytes Softech New Delhi           | T-8, Okhla Industrial Area Phase-II 011-46579380 New Delhi 110020  | Mr. Lokesh Chaudhary                  | <a href="mailto:enquiry@bytessoftech.com">enquiry@bytessoftech.com</a><br>9350552415   |
| Career Foresight Patna            | House No 55, North S.K Puri, Anugrah Narayan Path, Opp A.N. College, Boring Road, Patna, Bihar 800013                  | Mr. Arun Singh                        | <a href="mailto:contact@careerforesightatc.in">contact@careerforesightatc.in</a><br>0612-2573806<br>08582002345  |
| C-DAC Bengaluru (e-City)          | No. 68, 4th Cross, Electronics City Phase 1, Hosur Road, Opp. BSNL Tel Exchange, Bengaluru 560100                      | Ms. Jayashree K ;<br>Ms. Indrani H    | <a href="mailto:course_blerc@cdac.in">course_blerc@cdac.in</a><br>080-28523300   |
| C-DAC Bengaluru (Knowledge Park)  | Knowledge Park, No.1, Old Madras Road, Near Byappanahalli Metro Station, Bengaluru 560038                              | Ms. Binu George ;<br>Ms. Veena KS     | <a href="mailto:actsb@cdac.in">actsb@cdac.in</a><br>080-25093400 / 537   |
| C-DAC Chennai                     | TIDEL Park, 8th Floor, D Block (North), No.4, Rajiv Gandhi Salai, Taramani, Chennai 600113                             | Ms. Sunandha D.                       | <a href="mailto:chnacts@cdac.in">chnacts@cdac.in</a><br>044-22542226   |
| C-DAC Hyderabad                   | Plot No. 6 & 7, Hardware Park, Survey No 1/1, Srisailem Highway, Hyderabad 501510                                      | Mr. BSRK Varaprasad                   | <a href="mailto:bsrkvaraprasad@cdac.in">bsrkvaraprasad@cdac.in</a><br><a href="mailto:training-hyd@cdac.in">training-hyd@cdac.in</a><br>7382053731 / 2         |
| C-DAC Kochi                       | Knowledge Resource Centre, 40/8147, 2 <sup>nd</sup> Floor, Narakathara Road, Near Shenoy Theatre, Kochi, Kerala 682035 | Ms. Sunitha CS                        | <a href="mailto:krc.kochi@cdac.in">krc.kochi@cdac.in</a><br>0484-2372422<br>9447247984   |
| C-DAC Kolkata                     | Plot E 2/1, Blok - GP, Sector - V, Salt Lake Electronics Complex, Bidhannagar, Kolkata 700091                          | Mr. Asok Bandyopadhyay                | <a href="mailto:info-kolkata@cdac.in">info-kolkata@cdac.in</a><br>033-23573950   |
| C-DAC Mohali                      | A-34 Industrial Area, Phase VIII S.A.S. Nagar, Mohali, Punjab 160059   | Ms. Amritpal Kaur                     | <a href="mailto:enquiry-mohali@cdac.in">enquiry-mohali@cdac.in</a><br>0172-2237052-55  |
| C-DAC Mumbai (Juhu)               | Gulmohar Cross Road No. 9, Juhu, Mumbai 400049   | Ms. Sudha Iyer                        | <a href="mailto:course-enquiry@cdac.in">course-enquiry@cdac.in</a><br>022-26201606/04  |
| C-DAC Mumbai (Kharghar)           | Sector 7 – CBD Belapur, Next to Bharati Vidyapeeth, Near Kharghar Railway Station, Navi Mumbai 400614                  | Ms. Rekha S ;<br>Ms. Mohini More      | <a href="mailto:course_kh@cdac.in">course_kh@cdac.in</a><br>022-27565308/03  |
| C-DAC New Delhi                   | Plot No. 20, FC-33, Institutional Area, Jasola, New Delhi 110025   | Mr. Apoorva Kohli                     | <a href="mailto:actsdelhi@cdac.in">actsdelhi@cdac.in</a><br>9899599807   |
| C-DAC Noida                       | B-30, Sector 62, Institutional Area, Noida, U.P. 201307  | Mr. Ravi Payal ;<br>Ms. Neha Upadhyay | <a href="mailto:ravipayal@cdac.in">ravipayal@cdac.in</a><br><a href="mailto:recpacad-noida@cdac.in">recpacad-noida@cdac.in</a><br>0120-3063371-73 ; 9711770748 |

| Name of Centre & City   | Address   | Contact Person  | Email & Telephone No.  |
|---|---|---|--|
| C-DAC Pune  | ACTS, C-DAC Innovation Park, 4th floor, Sr. No. 34/B/1, Panchvati, Pashan, Pune, Maharashtra 411008                           | Ms. Heera Mohanan ;<br>Mr. Prakash Devkule<br>- Fees/Refund | <a href="mailto:actssupport@cdac.in">actssupport@cdac.in</a><br>020-25503134/136/107                         |
| C-DAC Silchar   | IIPC Building, NIT Silchar Campus, Silchar, Assam 788010  | Mr. Ranjan Singh  | <a href="mailto:ranjan@cdac.in">ranjan@cdac.in</a><br>03842-242009, 8133029380                               |
| C-DAC Thiruvananthapuram  | Knowledge Resource Centre (KRC), Technopark Campus, Kariyavattom, Thiruvananthapuram, Kerala 695581                           | Mr. Hiron Bose  | <a href="mailto:krct@cdac.in">krct@cdac.in</a><br>0471-2781500, 8547882754                                   |
| Institute for Advanced Computing & Software Development (IACSD), Pune | Dr. D.Y. Patil Educational Complex, Sector 29, Near Akurdi Railway Stn, Pradhikaran, Nigdi, Pune 411044                       | Wg. Cdr. P.V.C. Patil (Retd)                                | <a href="mailto:ittrg@iacsd.com">ittrg@iacsd.com</a><br>020-27659509<br>9607690988                           |
| Infoway Technologies Pune   | Commerce Centre, 3rd Floor, Plot No. 16, Rambaug Colony, Opp. Krishna Hospital, Paud Road, Kothrud, Pune, Maharashtra 411038  | Ms. Ashwini Ovhal   | <a href="mailto:coordinator@infowayltd.com">coordinator@infowayltd.com</a><br>020-41312111                   |
| Institute of Emerging Technologies Pune                               | Office No. 401, A Wing, 4th Floor, Manikchand Galleria, Swastik Society, CTS No. 996, Model Colony, Shivajinagar, Pune 411016 | Mr. Sangram Patil   | <a href="mailto:info@ietpune.com">info@ietpune.com</a><br>9595309911   |
| Know-IT Pune  | Office No: 2, 1st Floor, Gokhale Sanchit, Survey No 846, BMCC Road, Deccan Gymkhana, Pune 411004                              | Mr. Nachiketas Bhatkar                                      | <a href="mailto:contact@know-it.co.in">contact@know-it.co.in</a><br>9021479888 / 9823434616                  |
| MET – IIT Mumbai  | Bandra Reclamation, Gen. Arun Kumar Vaidya Chowk, Bandra (West), Mumbai 400050  | Mr. Nilesh Shirke   | <a href="mailto:metiit@met.edu">metiit@met.edu</a><br>022-39554366   |
| MET – IIT Nashik  | MET - IIT, Bhujbal Knowledge City, Adgaon, Nashik, Maharashtra 422003   | Mr. Akash Thakur  | <a href="mailto:info_iit@bkc.met.edu">info_iit@bkc.met.edu</a><br>0253-2555896                               |
| NETCOM Jaipur   | IT-23, Sitapura Industrial Area, EPIP, Opposite RIICO Office, Near Globe Circle, Jaipur, Rajasthan 302022                     | Dr Manoj Kumar Sharma                                       | <a href="mailto:info@netcomedu.in">info@netcomedu.in</a><br>9649272709                                       |
| Orlando Academy Indore  | 20-21 Press Complex, First Floor, Behind Danik Bhaskar, A.B. Road, Indore, M.P. 452001  | Mr. Kunal Kansal  | <a href="mailto:info@orlando.co.in">info@orlando.co.in</a><br>0731-4285004                                   |
| Soft Polynomials Nagpur   | 3rd Floor, Sanganak Bhavan, North Bazar Road, Dharam Peth Extn. Gokul Peth, Nagpur, Maharashtra 440010                        | Mr. S.M. Deshpande  | <a href="mailto:infocdac@softpolynomials.com">infocdac@softpolynomials.com</a><br>0712-2556808<br>9284082127 |
| Sunbeam Institute of IT Karad   | Anuda Chambers, 203 Shaniwar Peth, Near Gujar Hospital, Karad, Maharashtra 415110   | Mr. Prashant Lad  | <a href="mailto:siitkarad@sunbeaminfo.com">siitkarad@sunbeaminfo.com</a><br>02164-225800                     |
| Sunbeam Institute of IT Pune  | Sunbeam IT Park, Phase-II, Rajiv Gandhi Infotech Park, Hinjewadi, Pune, Maharashtra 411057                                    | Mr. Nitin Kudale  | <a href="mailto:siit@sunbeaminfo.com">siit@sunbeaminfo.com</a><br>7410071951                                 |
| USM's Shriram Mantri VITA Mumbai                                      | 5th Floor, Vidyanidhi School, Vidyanidhi Road, JVPD Scheme, Juhu, Mumbai 400049   | Ms. Savita Thakur   | <a href="mailto:training.vita@gmail.com">training.vita@gmail.com</a><br>022-26255629                         |