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**Central Board of Secondary Education**

**(An autonomous Organisation under the Union Ministry of Human Resource Development, Govt. of India)  
'Shiksha Sadan', 17-Rouse Avenue, New Delhi – 110 002**

**CBSE/ACADEMIC/CIRCULAR/2011/**

**24.03.2011**

**Circular No. 25/2011**

All Heads of Institutions  
Affiliated to the Board

**Subject : Provision of computers in Engineering Graphics laboratory  
for students of classes XI and XII.**

**Dear Principal,**

As you are aware, the syllabus of the subject "Engineering Graphics" at Sr. Secondary level has been revised and Computer Aided Design (CAD) has been introduced in practicals of both Classes XI and XII as highlighted below :

**Class XI (Practicals)**

Making different types of graphic designs/ murals for interior / exterior decorations in colour using the knowledge of geometrical figures with the use of *any* computer software such as COLLAB-CAD, CORAL DRAW, PHOTOSHOP etc.

**Class XII (Practicals)**

"Computer Aided Design" (CAD) – A project.

Project file to be submitted on simple solids (prisms, pyramids and frustums of equilateral triangle, square pentagon and hexagon) or machine blocks as prescribed in part I by using "Computer Aided Design" (CAD) software.

The above mentioned practicals can be conducted only with the help of computers with internet connection and necessary softwares.

Accordingly, sufficient number of computers may be provided in Engineering Graphics laboratories so that effective teaching learning can take place.

You are requested to disseminate the information to all concerned.

Yours faithfully,

**(Dr. Srijata Das)**  
**Education Officer**

**Copy to :**

1. The Commissioner, Kendriya Vidyalaya Sangathan, 18-Institutional Area, Shaheed Jeet Singh Marg, New Delhi-110 016.
2. The Commissioner, Navodaya Vidyalaya Samiti, A-28, Kailash Colony, New Delhi.
3. The Director of Education, Directorate of Education, Govt. of NCT of Delhi, Old Secretariat, Delhi-110 054.
4. The Director of Public Instructions (Schools), Union Territory Secretariat, Sector 9, Chandigarh-160 017.
5. The Director of Education, Govt. of Sikkim, Gangtok, Sikkim – 737 101.
6. The Director of School Education, Govt. of Arunachal Pradesh, Itanagar – 791 111
7. The Director of Education, Govt. of A&N Islands, Port Blair - 744 101.
8. The Secretary, Central Tibetan School Administration, ESSESS Plaza, Community Centre, Sector 3, Rohini, Delhi-110 085.
9. All the Regional Officers of CBSE with the request to send this circular to all the Heads of the affiliated schools of the Board in their respective regions.
10. The Education Officers/AEOs of the Academic Branch, CBSE.
11. The Joint Secretary (IT) with the request to put this circular on the CBSE website.
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13. EO to Chairman, CBSE
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15. PA to Secretary, CBSE
16. PA to Director (Acad.)
17. PA to HOD (AIEEE)
18. PA to HOD (Edusat)
19. PRO, CBSE

**(Dr. Srijata Das)**  
**Education Officer**