

# Data Centre & Server Room



CIRM

University of North Bengal

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## DATA CENTRE / SERVER ROOM

University of North Bengal CIRM is having two State-of-the-art Data Centres. Data centre is an IT functional facility used to house computer systems and associated components, such as communications and storage systems. University of North Bengal designed and implemented both of the Data Centres, for this purpose and to conduct different online activities under the direct control of CIRM. It keeps high standards for assuring the integrity and functionality of its hosted computer environment. This is accomplished through redundancy of cooling (Precision AC) and heavy-duty online power backup systems (including emergency backup power generators) serving the data centre along with Optical fiber cables. The Data Centre operated unmanned whilst still allowing 24 x 7 access for those who have equipment housed there.

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## KEY FEATURES

### Flexible Architecture



Our flexible data centre architecture delivers integrated management of IT infrastructure, relevant applications and services.

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## High Scale Data Storage



We are working to uplift the data centre to manage increasing volumes of enterprise data. Our data storage approach goes beyond the traditional approach and supports remote storage, data archiving, data accessibility and on-demand scalability.

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## Atmospheric Conditioning



The Data Centre Facility is built with special units in which we use the automated Systems in pair built on a full redundancy loop. Handle the unique, concentrated heat load generated by IT equipment's, run 24X7, regardless of the outside temperature, dedicate most of their capacity to controlling room temperature. The average temperature maintained in the Data Centre is 22 degrees. The environment is controlled for atmospheric composition and is based on both bottom up and traditional airflow systems. In our data centre Precision air conditioner (precision cooling) is used to control the temperature and humidity to precision level

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## Co-location and Rack Space Services



We provide rack space, bandwidth, and server management services for a client needing co-location services. Our data centres offer a 99% uptime guarantee with stable bandwidth. All bandwidth is provided to our co-location clients via dedicated 100 Mbps or 1000 Mbps Ethernet. Co-location clients may opt for remote console access to their equipment allowing them to view and manage activity on their devices from power-on.

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## Power



Power-packed arrangements to deal with unwanted cause, such as component failure, power fluctuations, catastrophes. N+ 1 redundancy, which ensures 99.95% system availability. Most of the important equipment, such as servers, telecommunication and networking devices are dual powered to conquer unpredictable causes.

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