

Smart Classroom at NBU



University of North Bengal

University Science Instrumentation Centre (USIC)

CONTENTS

Introduction	3
features	4
Enhanced Learning Experience	4
Interactive Learning Experience	4
Easy Access to Online Resources	4
Follows Go Green Concept	5
Time Saving Technology	5
Increased Productivity	5
Interactive Smartboard	5
.....	6
General guidelines	6
Current Installation	7

INTRODUCTION

In general, Smart Classrooms are often considered as classrooms with a focus on ICT hardware and software and in particular the use of so called “Smart Boards” and other audio/visual equipment. In order to ensure quality and effective education in the Rajammohunpur and Jalpaiguri Campus, University of North Bengal had been established 33 nos Smart Classroom under RUSA scheme in various respective departments. which will make the teaching and learning process more effective. By use of smart class teachers will get more time to interact with the students as they will utilize much of the time wasted earlier in drawing or preparing diagrams on board. As the students get “Cognitive Learning Process” so it’s easier to understand and chances of forgetfulness is very less.

FEATURES

Enhanced Learning Experience

- By using smart classroom technology and interactive whiteboards, information can be illustrated with the help of photos, maps, graphs, flowcharts and animated videos. This makes learning more attractive, interesting and easy to understand. It encourages the ability of students to learn and memorize the topic for a prolonged period of time.
- It is a universal truth, when we learn through visuals, we grab the subject easily rather than just looking into the blackboard & listening.

Interactive Learning Experience

- The presence of smart boards helps teachers to deliver lectures more effectively by using the different projections in their presentation to explain the topic. Teachers can easily explain each and every part of the lesson with some special effects and graphic presentations. It helps to create a quick FAQ session between teachers and students that actually makes a wonderful learning environment in the classroom.

Easy Access to Online Resources

- A smart class has digital display boards and projectors that are synchronized. A teacher can easily show some practical solutions from the web. While students can see various online resources on the internet.
- The adoption rate of smartboards and interactive whiteboards in the university increasing gradually. This is an obvious indication that the students are embracing this advanced technology at the campus.

Follows Go Green Concept

- The Smart classroom technology follows a dynamic information sharing approach and there is no need of paper, pen, pencil & printouts, thus stepping into ' Go Green Concept '. We can say, this is one of the major benefits of smart classroom technology to keep nature of the campus clean and green.

Time Saving Technology

- In contrast to the traditional learning method, where students had to make long written notes. Smart class technology allows students to make presentations online and get feedback from their teachers in less time. Same for teachers who do not need to tell students to make rough notes, as presentation can be shared directly with everyone. This saves a lot of time of teachers and students that can be used for another interactive activity.

Increased Productivity

- Data shared with the help of intelligent class technology is presented in a visual format that is more likely to engage the students. Not only students' involvement but, they understand things more easily in minimal time. This motivates students and teachers accomplish pretty good results leading to improved productivity.

Interactive Smartboard

- Smartboard technology makes teaching learning experience more easy and fun among the students. It can turn a boring lecture into an amazing and interactive session. Instead of this, digital boards engage it by displaying content in the form of animations, visuals and previews. At the same time, students are likely to engage more that makes the session successful.

GENERAL GUIDELINES

Users may be aware that by using this virtual teaching-learning environment, the users are agreeing to abide by the following policies:

- The facility of smart classroom environment should be used for academic and official purposes and to a limited extent for personal purposes.
- Computer Centre, NBU will manage and administer the smart classroom environment network connectivity to the respective departments in the campus.
- Use of the University network in the smart classroom will depend on the availability of network bandwidth, usage of electronic resources and count of simultaneous access and will be administered by Computer Centre, NBU.
- All physical connections to the University network must be made in accordance with the industry best practices and standards.
- The devices using in smart Classroom connecting to the University network must be registered (in stock) either centrally or at department level.
- The configuration and operation of devices (using in smart classroom) connecting to the University network must comply with all applicable University security policies, procedures, and practices.
- Individual user/department should ensure that the Operating System Installed in smart classroom is proper, valid and active. In case of any confusion, installation or reinstallation the only point of contact is Computer Centre.
- Computer Centre subscribes licenses for all Windows Operating System supported by Microsoft and latest version of MS Office through campus agreement. All the departments or users should submit a written request or send a request mail from institutional email id to get these software(s) installed into the computer system inside the digital podium.
- If any devices use in smart classroom is not in working condition, user/department should inform the USIC.

CURRENT INSTALLATION

- 1 Department of Anthropology
- 2 Department of Bengali
- 3 Department of Bioinformatics
- 4 Department of Botany
- 5 Department of Chemistry
- 6 Department of Commerce
- 7 Department of Computer Science
- 8 Department of Life Long Learning
- 9 Department of Economics
- 10 Department of English
- 11 Department of Geography
- 12 Department of Hindi
- 13 Department of Law
- 14 Department of Library and Information Science
- 15 Department of History
- 16 Department of Mass Communication
- 17 Department of Mathematics
- 18 Department of Microbiology
- 19 Department of Management
- 20 Centre for Nepali
- 21 Department of Philosophy
- 22 Department of Political Science
- 23 Department of Lifelong Learning and Extension
- 24 Department of Sanskrit
- 25 Department of Sociology
- 26 Department of Tea Science
- 27 Department Zoology
- 28 Centre for Himalayan Studies