

### 3.2.1. Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

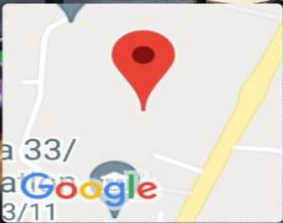
- The institute has taken various initiatives for innovative teaching learning. Along with blackboard teaching, the students are explained the basics with the help of different Charts and Models in the Theory classes. For example, the different models of Brain, Heart and other organs are used in the Human Anatomy and Physiology classes whereas Ball and Stick models are used for better understanding of the Chemistry structures in Organic Chemistry classes.
- ICT enabled Smart classrooms are also an innovative approach for the transfer of knowledge to students. PowerPoint presentations are an effective way to increase communication between teachers and students and thus are used for better understanding.
- Language laboratories for the Communication Skill Practical classes have also been developed as an innovative teaching learning process. Also Ex-pharm software (Animal experimentation software) is used to conduct Pharmacology practical classes.
- The COVID-19 pandemic has resulted in the closure of the colleges across the country. Education system has changed significantly during this lockdown period. In this pandemic, our institution had hosted virtual online classes through different platforms like google classroom, google meet and zoom meetings. You tube videos were also prepared both for the theory and practical classes.
- We also used **Learning Management System (LMS)** tool for delivering and managing online classes. We have used '**Great Learning**' and '**Google Classroom**' LMS for virtual classes.
- In this system we can take attendance, track the online assignment and overall students progress. This online classroom has become a boon for the teachers as MCQ, True-false, fill-in-the-blanks type questions can be checked automatically without any hassle. Students also can take part in discussion. Here, students can post quires to teachers, access online study materials easily.
- Students can easily view the recorded classes and resolve the doubts. Along with this, official **email system** and **Whatsapp official groups** are also made for doubt clearing of the students.
- **Ebooks** were provided by the respective subject teachers to both UG and PG students. Various review and research articles were also provided to postgraduate students so that they can refer them.
- **Seminars and Journal clubs** were arranged for Post graduate students on a weekly basis. **Webinars** are also arranged from time to time for knowledge enrichment.
- Further, free online classes for competitive examination GPAT, are conducted on a regular basis along with exams so that their progress can be monitored. Finally, grooming and soft skill classes are organized through Google meet platform for the B.Pharm and M.Pharm final year students so that they can perform well in interviews and get placed in good companies.

<b>SL.NO.</b>	<b>E-LEARNING CONTENT</b>	<b>WEBSITE LINK</b>
01	YOUTUBE VIDEOS BY TEACHERS	<a href="https://bstpharmacy.in/admin/php/elearning/2.3.1%20E-learning%20content.pdf">https://bstpharmacy.in/admin/php/elearning/2.3.1%20E-learning%20content.pdf</a>
02	MOU WITH GREAT LEARNING	<a href="https://bstpharmacy.in/admin/php/elearning/2.3.2%20MOU%20GL.pdf">https://bstpharmacy.in/admin/php/elearning/2.3.2%20MOU%20GL.pdf</a>
03	ZOOM LICENSE	<a href="https://bstpharmacy.in/admin/php/elearning/Zoom%20invoice.pdf">https://bstpharmacy.in/admin/php/elearning/Zoom%20invoice.pdf</a>
04	EXPHARM ANIMAL SOFTWARE	<a href="https://bstpharmacy.in/admin/php/elearning/expharm.pdf">https://bstpharmacy.in/admin/php/elearning/expharm.pdf</a>
05	ONLINE GPAT CLASSES	<a href="https://www.youtube.com/watch?v=vrHyaeujtkw">https://www.youtube.com/watch?v=vrHyaeujtkw</a> <a href="https://www.youtube.com/watch?v=r5kXSDe0W4I">https://www.youtube.com/watch?v=r5kXSDe0W4I</a>

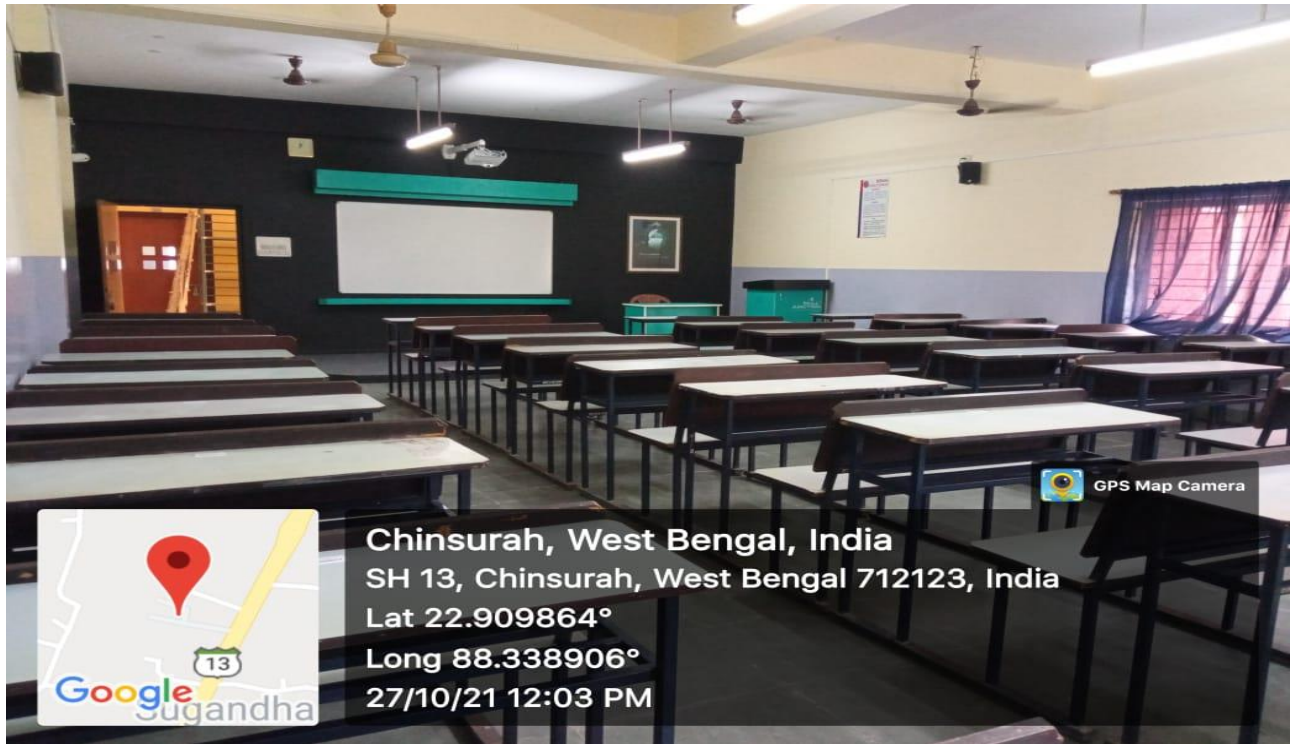


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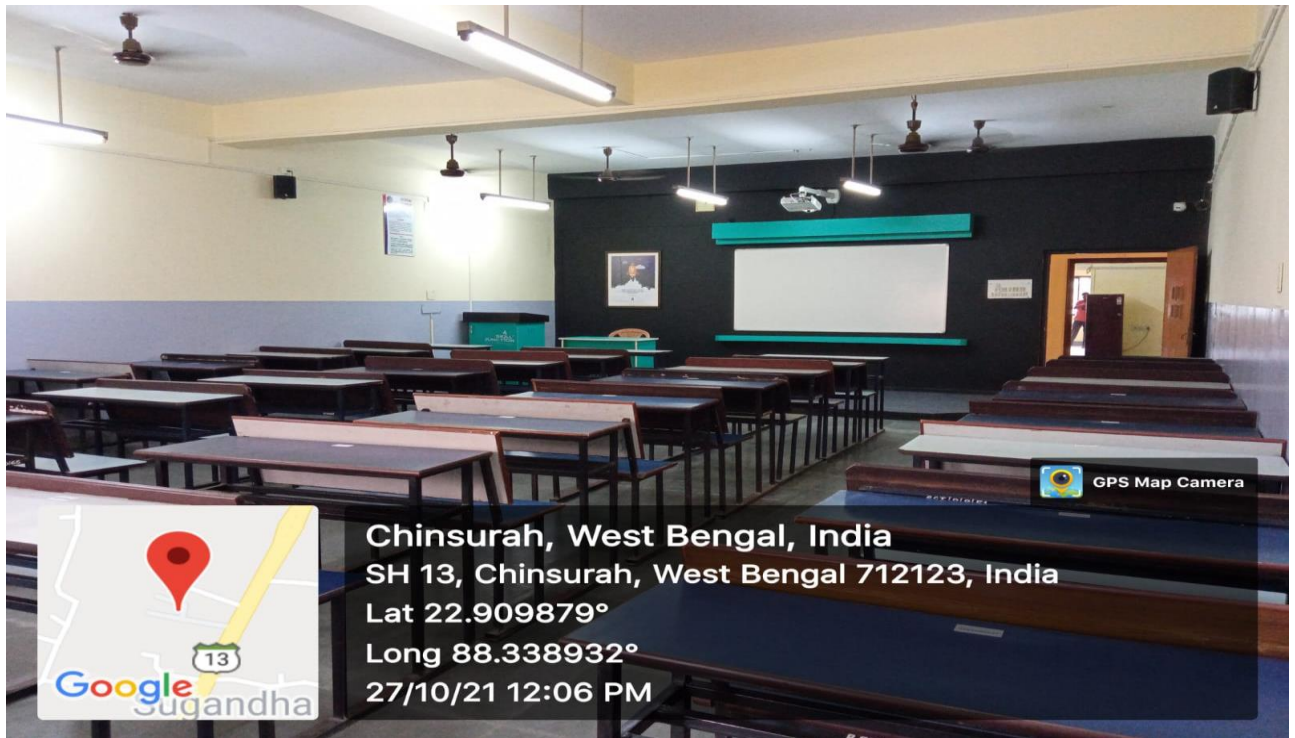
**LANGUAGE LABORATORY**



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**ICT ENABLED SMART CLASSROOMS**





**WALL MUSEUMS**





GPS Map Camera



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**WALL MUSEUM OF HUMAN MODELS**