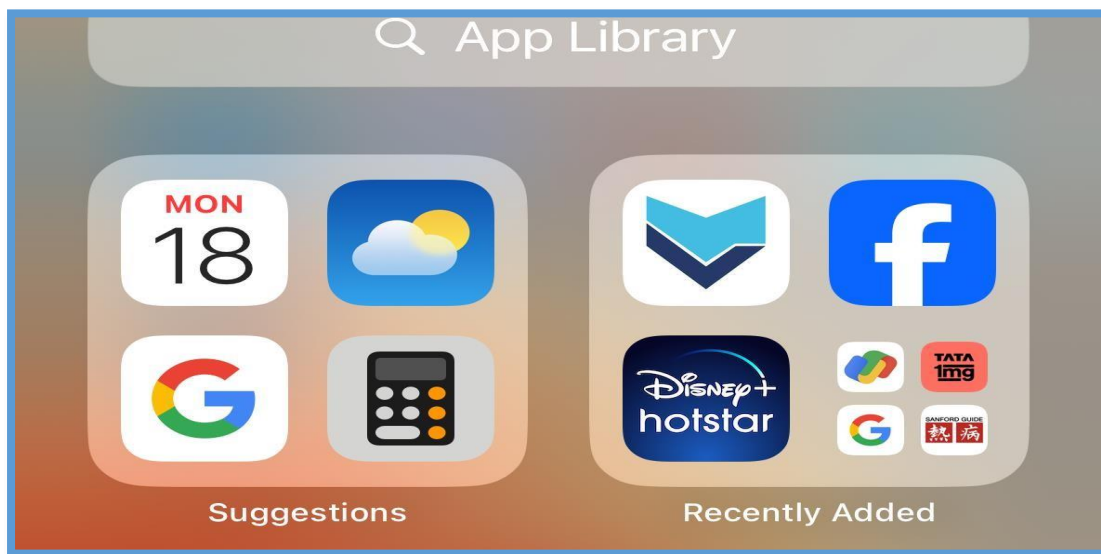


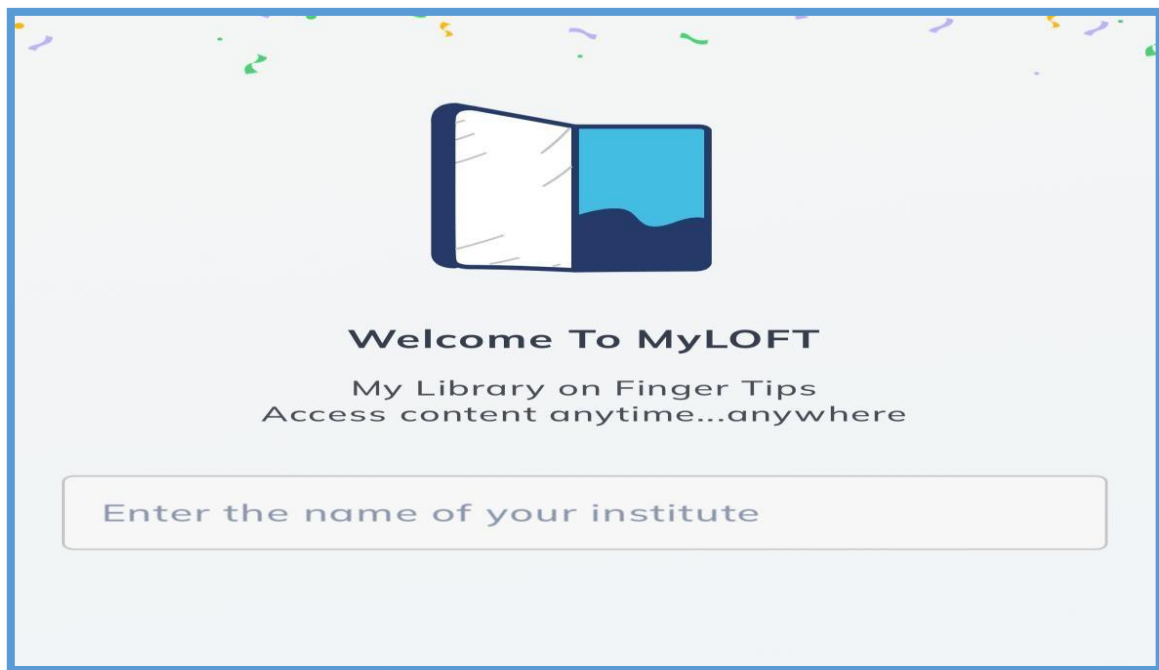
Teachers use ICT-enabled tools for effective teaching and learning process, including online e-resources PICTURES



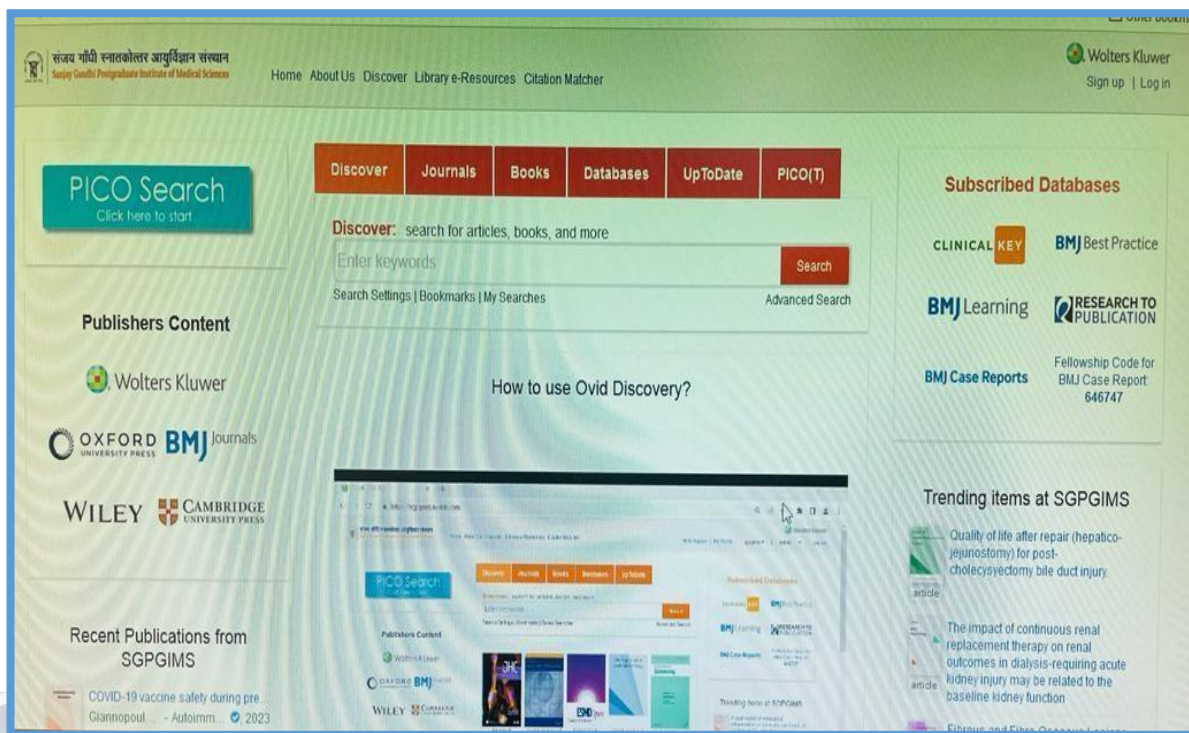
Students learning and running e-OPD using ICT methods 24-09-2020



Myloft app to remotely access e-library from anywhere outsideSGPGI



My Loft Software being used

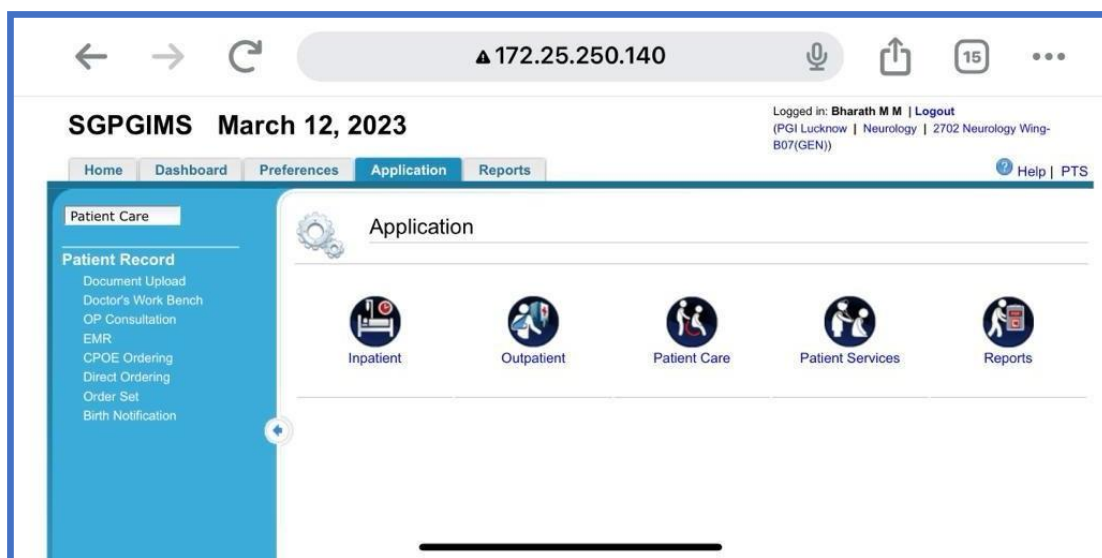


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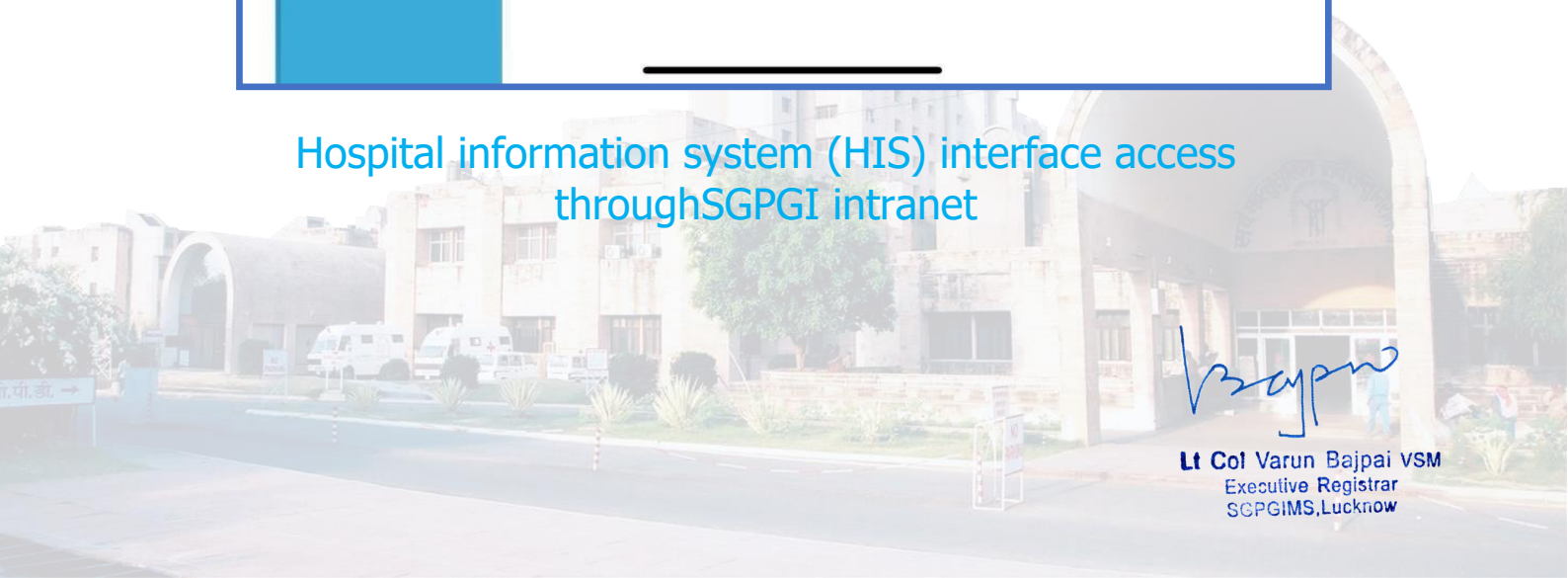
E-library interface access through SGPGI intranet showing the list of e-resource for online learning



Facility for visually impaired students



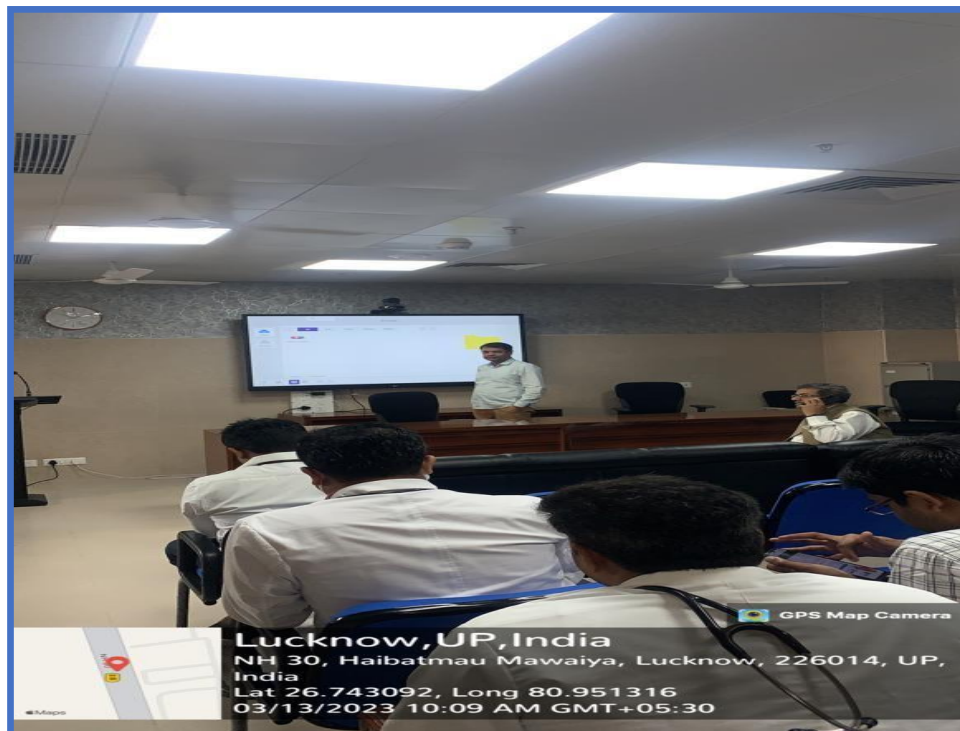
Hospital information system (HIS) interface access through SGPGI intranet



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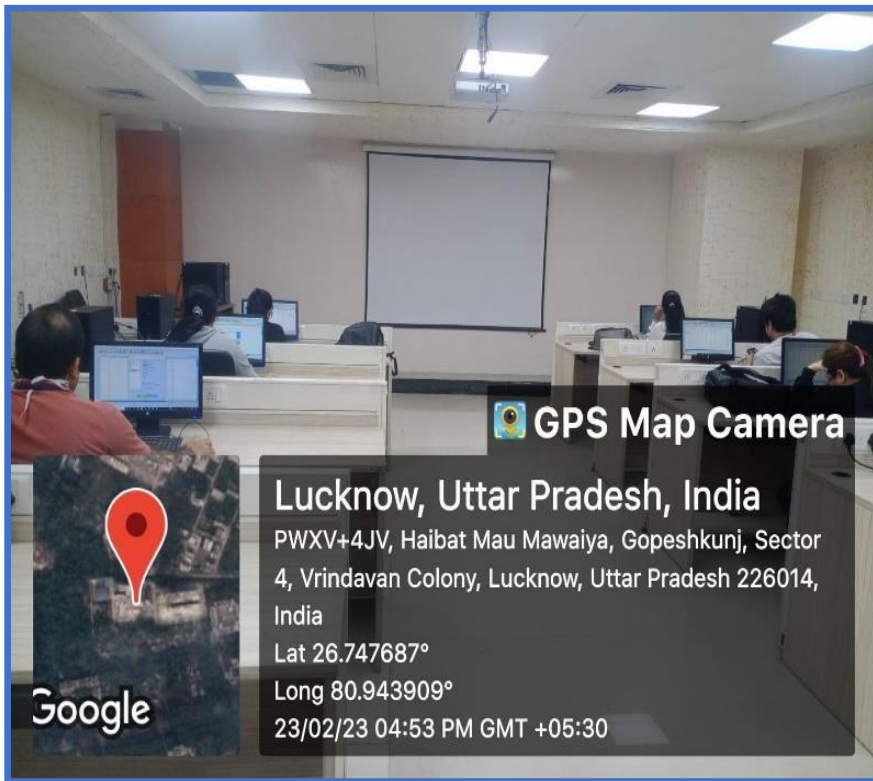


ICT enabled classroom (Department of Microbiology)



Smart classroom with interactive whiteboard (Department of Nephrology)





Bioinformatics Laboratory for Students to learn and apply biostatistics to analyze their research data



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Following Statistical Softwares are available in the Department of Biostatistics and Health Informatics for the use to Students, faculty, and researchers of the institute.

EPI Info:

Epi Info is statistical software for epidemiological studies developed by Centres for Disease Control and Prevention (CDC) in Atlanta, Georgia (US). Epi Info has been in existence for over 20 years and is currently available for Microsoft Windows, Android and iOS, along with a web and cloud version. It helps to rapid questionnaire design, sample size estimation, data collection, validation, analyse and creation of reports including mapping and graphing. With user-friendly interfaces, it simplifies tasks like data entry, management, and basic statistical analysis. Epi Info is a free set of software tools for public health practitioners and researchers across the globe. It is also used for outbreak investigations; for developing small to mid-sized disease surveillance systems. This software is freely available for all.

<https://www.cdc.gov/epiinfo/index.html>

IBM SPSS:

Statistical Package for Social Sciences (SPSS) is a commercial statistical software suite developed by IBM SPSS in 2009, provides a plethora of statistic programs, visualization designer, data management and advanced analytics. This is a powerful statistical software platform. It offers a user-friendly interface and a robust set of features that quickly extract actionable insights from data. Advanced statistical procedures help ensure high accuracy and quality decision making. All facets of the analytics lifecycle are included, from data preparation and management to analysis and reporting. SPSS allows to perform a wide range of statistical procedures and data manipulation tasks and conduct descriptive statistics to summarize the data, inferential statistics like chi-square test, t-test and advanced analyses such as survival analysis, regression analysis, big data analysis and epidemiological analysis. The process of manipulating, analysing, and pulling data is very simple. The department has purchased out 40 perpetual licenses (academic plans) of SPSS which are available to institutional users.

<https://www.ibm.com/products/spss-statistics>



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R Commander:

R Commander is a free and open-source user interface for the R software. It was developed as an easy-to-use graphical user interface (GUI) for R (freeware statistical programming language) and was developed by Prof. John Fox to allow the teaching of statistics courses. Using R Commander, we can perform various statistical analyses and data manipulations through a point-and-click interface. It covers a wide range of statistical techniques, including descriptive statistics, hypothesis testing, Survival analysis and Meta analysis etc. This software is freely available for all.

<https://cran.r-project.org/web/packages/Rcmdr/index.html>

Review Manager

A software from the Cochrane Collaboration for preparing and maintaining Cochrane reviews. It facilitates preparation of protocols and full reviews. It is designed for conducting meta-analyses in systematic reviews. It is most useful when you have formulated the question for the review and allows you to:

- prepare the text,
- build the tables showing the characteristics of studies and the comparisons in the review,
- add study data,
- perform meta-analyses and
- present the results graphically.


It provides a user-friendly interface for researchers to input data from individual studies, including effect sizes and their associated measures of uncertainty. This software is freely available for all.

<https://training.cochrane.org/online-learning/core-software/revman>

G*Power Software

G*Power is a free piece of software developed at Universität Düsseldorf in Germany. It is designed to assist researchers in determining the appropriate sample size for their studies ensuring the reliability of study findings. G*Power helps researchers calculate the minimum sample size required to detect a given effect size with a desired level of statistical power and significance. It is also used in calculating the sample size required for different types of analyses, including t-tests, ANOVA, regression, and more. This software is freely available for all.

<https://www.psychologie.hhu.de/arbeitsgruppen/allgemeine-psychologie-und-arbeitspsychologie/gpower>



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