



Kannada Sangha Pune's

Kaveri College of Arts, Science and Commerce, Pune

Permanently Affiliated to Savitribai Phule Pune University, Pune
Recognized U/S 2(f) and 12(B) of UGC Act, 1956
Permanently Non-Aided | Linguistic Minority (Kannada)

Criteria VI Governance, Leadership and Management

Key Indicator 6.5- Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

(2023-24)

Collaborative Initiatives by IQAC

Contents

Index	Page No
B.Com department: a. Session on Virtual Lab	3
BBA Department a. Session on Virtual Lab b. Bridge course on data collection and analysis.	4 5-6
BBA CA department: a. Session Virtual Lab b. Future of Cyber Security: Securing Tomorrow's World Today” c. Hands-on session on Spark d. Hands-on session on Spring and Hibernate e. techies club - logo pogo activity	7 8 9 10 11
B.Sc CS department a. Session on Virtual lab b. Introductory session on OpenGL c. Guest lecture on Technical Writing d. Guest Lecture on Bootstrap e. Guest Lecture on CodeIgniter & Drupal / Joomla f. National Science Day	12 13-14 15 16 17 18-19
BA Department: a. Virtual Lab	20

B.Com Department

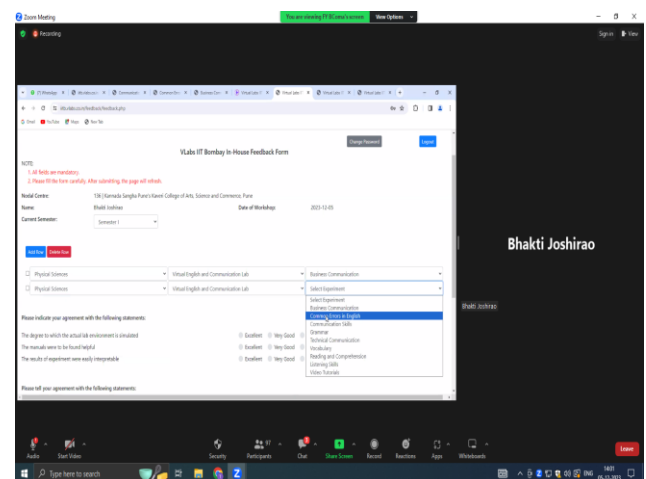
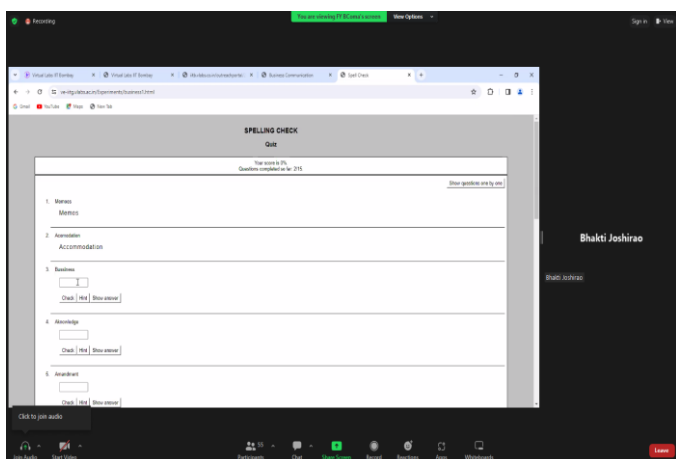
Name of the Activity: Virtual Lab Experiment

Date: 5-7 December 2023

Name of the Resource Person: Dr.Deepa Sathe, Dr.Pooja Ambole, Dr.Mukta Bhosale, Mrs.Bhakti Joshirao

Report:

The Department of Commerce organised a Virtual Lab Experiment on Virtual English and Communication which was designed by Indian Institute of Technology Guwahati for three days from 5th to 7th December 2023. The Experiment was conducted as our college is a nodal centre for virtual labs in collaboration with IIT Powai. It is an initiative of the Ministry of Human Resource Development under the National Mission on Education through ICT. Students can perform experiments based on various subjects virtually on this platform. The session was conducted by Dr. Deepa Sathe, Mrs. Pooja Ambole, Mrs. Bhakti Joshirao and Dr. Mukta Bhosale. The students from Second Year B.Com were given guidance in doing Business Communication Experiments Online. Under Business Communication 6 Self Assessment Exercises are available which are to be solved by the students one by one. Various Communication Skills like Grammar, Vocabulary, Presentation and Etiquettes were evaluated. At the end of every exercise the students were evaluated and given marks. The lecture was conducted for FYBCOM, SYBCOM and TYBCOM students. The students had many learnings from the experiments conducted virtually. The students were highly happy with this initiative. Number of project completed more than 4000 projects.



Screenshot of the Virtual Lab Experiment meeting being conducted online.

BBA AND BBA IB department

Name of the Activity: Session on Virtual Laboratory

Date: 6th December 23 9:30 to 11:30 am- FYBBA;
6th December 24 11:30 to 1:30 pm FY BBA IB

Name of the Resource Person: Faculties of Management Department

Report:

A virtual lab session was organized for the students of FYBBA and FYBBA IB in collaboration with IIT Bombay on 6th December 2023. It is an initiative of Ministry of Human Resource Development under the National Mission on Education through ICT. The students practiced sessions and experiments on Computational Linguistics Lab and Virtual English and Communication. They practiced on the basis of several online quizzes. They understood complex topics using easy, interactive and simple methods.



Session on Virtual Laboratory Organized by: Department of BBA & BBA-IB

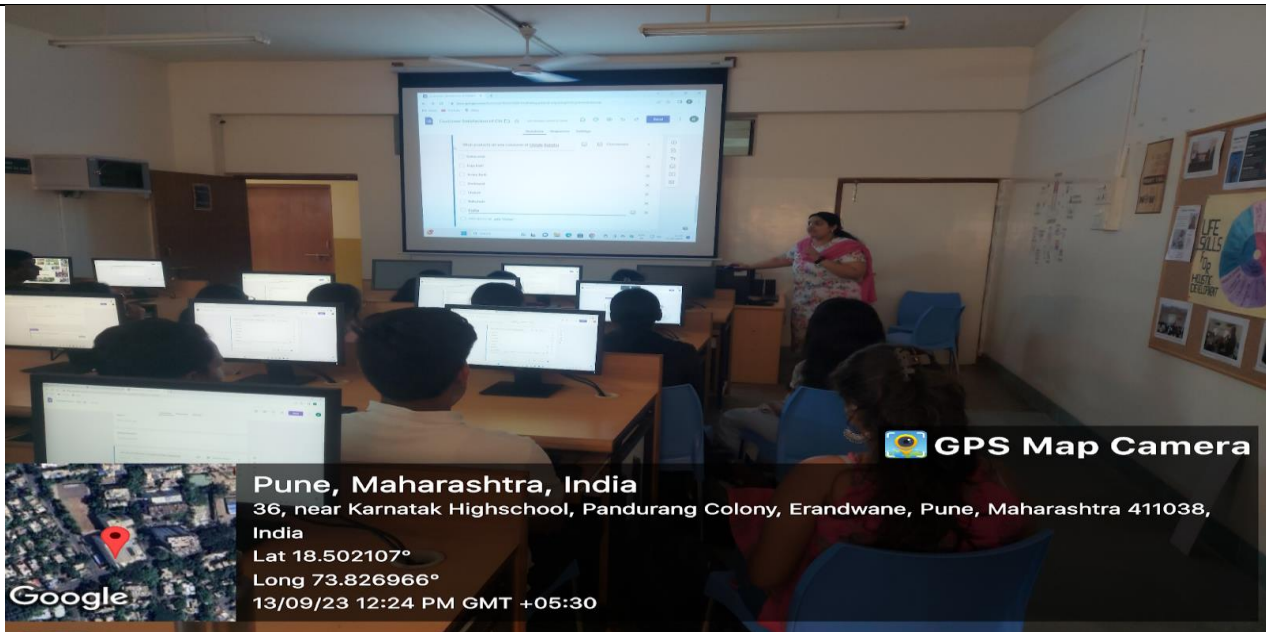
Name of the Activity: Bridge Session on Google Forms and Data Analysis

Date: 14 and 15 Sep 2023

Name of the Resource Person: Dr. Sayee Kulkarni, Asst. Professor

Report:

A hands on bridge session for SYBBA and SYBBA IB students on Google forms and Data analysis was conducted in SPEC Lab. A hands on session was conducted on designing Google forms, deciding type of questions , deciding the response validation etc. The students designed the forms on their own. Later on simple analysis tools on MS Excel were explained including construction of graphs, charts etc. The students took benefit of the state of the art laboratory and tried the tools on their own.



Dr. Sayee Kulkarni , Asst. Professor Guided the students familiarize student with Google Forms and its designing

Name of the Activity: Bridge Session on Google Forms and Data Analysis

Date: 3 and 4 Oct 2023

Name of the Resource Person: Dr. Sayee Kulkarni, Asst. Professor

Report:

A hands on bridge session for SYBBA and SYBBA IB students on Google forms and Data analysis was conducted in SPEC Lab. A hands on session was conducted on designing Google forms, deciding type of questions , deciding the response validation etc. The students designed the forms on their own. Later on simple analysis tools on MS Excel were explained including construction of graphs, charts etc. The students took advantage of the state of the art laboratory and tried the tools on their own.



Bridge Session on Google Forms and Data Analysis for SYBBA, SYBBA-IB

BBA-CA department:

Year 2023-24

Name of the Activity: Virtual Lab conducted by BBA CA department

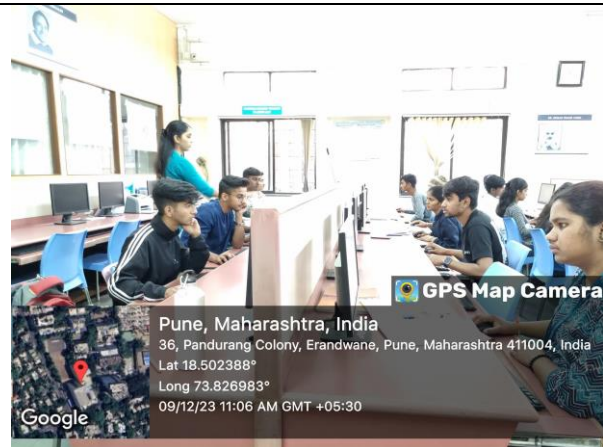
Date: 9 th Decemeber 2023

Name of the Resource Person: Faculty members of BBA CA department.

Report:

Kaveri College of Arts, Science and Commerce is a **Nodal Center** for Virtual Labs in collaboration with **IIT Powai**. It is an initiative of the **Ministry of Human Resource Development** under the National Mission on Education through ICT. Students can perform experiments based on various subjects virtually on this platform. With this regard the students of FYBBACA were informed about the concept of Virtual Lab and the process to register. They performed a **Virtual Lab experiment** based on **Problem Solving and English** Students performed sixteen different experiments like - Numerical Approximation, Functions, Arrays, Structures, Basic Control Flow, Pointers, Recursion offered by IIT Hyderabad and Basic Communication, Common Errors in English, Communication Skills, Grammar, Technical Communication, Vocabulary, Reading and Comprehension and Listening Skills offered by IIT Guwahati

After successful completion of the experiment's students filled the feedback form.



Virtual Lab session by BBA CA department.

Name of the Activity: Future of Cyber Security: Securing Tomorrow's World Today”

Date: 25th January 2024

Name of the Resource Person: Mr. Rajas Phatak, Co-founder @ Securia InfoSec LLP
Report:

The session, conducted by Mr. Rajas Phatak, delved into the critical realm of cybersecurity, offering attendees a comprehensive understanding of the subject. The event was open to all, reflecting a commitment to spreading awareness about the significance of cybersecurity in our rapidly advancing world.

Mr. Phatak provided a thorough exploration of cybersecurity fundamentals, offering a deep dive into the intricacies of safeguarding digital landscapes. Attendees were treated to interesting case studies and real-world stories, giving ideas about the challenges and triumphs within the cybersecurity domain. The session focused on the importance of cybersecurity, emphasizing personal data privacy and shedding light on techno-legal aspects crucial for navigating the digital age. A highlight of the event was the insightful discussion on diverse career opportunities within the cybersecurity field, inspiring attendees to consider and pursue paths in this ever-evolving sector.

Participants had the unique opportunity to engage in a hands-on session, gaining practical insights and skills that can be applied in real-world cybersecurity scenarios.

Mr. Rajas Phatak's expertise and the interactive nature of the session left participants well-equipped to navigate the challenges of the digital landscape.



Session on cyber security.

Name of the Activity: Hands-on session on Spark

Date: 16 March 2024

Name of the Resource Person: Dr. Harshita Vachhani
Head of Computer Science Department,
Pratibha College of Commerce & Computer Studies

Report:

A Session on Spark was organised by the Department of BBA(CA) for the students of TYBBA(CA)). Dr. Harshita Vachhani, Head of Computer Science Department, Pratibha College of Commerce & Computer Studies, Pune, was invited as the resource person. She has 17+years of experience as a professor and has also has worked as Placement coordinator.

The session started with the basic overview of Hadoop Components, Hadoop Distributed File System and Map Reduce concepts. She explained Apache Spark Framework, it's installation and some of its key features like In Memory Processing, Fault Tolerance etc. Students were given some practical programs through Hands-on session. The session was very informative and all the concepts were explained with simple programs which even the students executed simultaneously along with the trainer. At the end of the session students interacted with the resource person and got their queries solved. The lecture was very beneficial to the students.



Session on hand on Spark conducted by Dr. Harshita Vachhani.

Name of the Activity: Hands-on session on Spring and Hibernate.

Date: 24 February 2024

Name of the Resource Person: Mr. Milind Joshi, Tech Lead, Rezoomex

Report:

A Session on Spring and Hibernate was organised by the Computer Science Department for the students of TYBBA(CA) and TY BSc(CS). Mr. Milind Joshi, Tech Lead, Rezoomex, Pune, was invited as the resource person. He has 6+ years of experience in Java development particularly in Spring Boot, which is a popular framework for building Java-based enterprise applications.

The session started with the basic overview of core java concepts and the explanation about Spring framework, how to program and configure it for various Java-based enterprise applications. He also explained the Hibernate framework and how to map an object-oriented domain to a relational database. He explained about the most prominent features of Hibernate i.e. to map from Java classes to database tables and to map Java data types to SQL data types. Both these concepts were handled with a Hands-on session.

The session was very informative and all the concepts were explained with simple programs which even the students executed simultaneously along with the trainer. At the end of the session students interacted with the resource person and got their queries solved. The lecture was very beneficial to the students and they got to know about the latest trends and technologies used in industry.



A Session on Spring and Hibernate conducted by Mr. Milind Joshi.

Name of the Activity: Techies Club - LOGO POGO ACTIVITY

Date: 12th January 2024

Name of the Resource Person: Mrs. Sheetal Kulkarni and Ms. Revati Deshmukh

Report:

The Techies' Club started with the Activity Session for the FY, SY and TY students. This activity was conducted on **12th January 2024, Friday at 11.00 a.m.** It was a fun activity game for students. The name of the activity was **“LOGO POGO”**, where the students had to guess the logo and name it. Logos were about the recent technologies, softwares and also different browsers. For this all the students were grouped and each team was given one chance at a time. The team that would guess the correct logo, that team would get a point. Total there were three groups, A, B and C. The winning team was awarded with the chocolates. The activity was conducted by Mrs. Sheetal Kulkarni and Ms. Revati Deshmukh under the guidance of HOD Mrs. Chitra Alavani. Overall all the students enjoyed this activity. From this activity, students were exposed to many recent technology logos



LOGO POGO activity conducted by faculty of BBA CA.

BSc CS Department

Name of the Activity: Virtual Labs for Bsc students

Date: 18th March 2024

Name of the Resource Person: Dr. Anand Buddhikot, Mr. Nilesh Nemade

Report:

The Department of Computer Science organized Virtual Lab Session for SYBSc and TYBSc students that took place on 18th March 2024, in collaboration with IIT Bombay. This session was part of a nationwide initiative to provide students with a practical learning experience in various computer science domains, all conducted virtually. The aim was to bridge the gap between theoretical knowledge and real-world applications by allowing students to engage with online experiments and tools.

The session covered various topics in computer science, such as programming, algorithms, data structures, and database management, through a series of interactive virtual experiments. Students actively participated in these experiments, gaining hands-on experience in a variety of field



Students participation in Virtual Lab

Name of the Activity: Introductory session on OpenGL

Date: 29th December 2023

Name of the Resource Person: Mr. Darshan Vikam, Graphic Engineer at Sony India Software Center, Bengaluru.

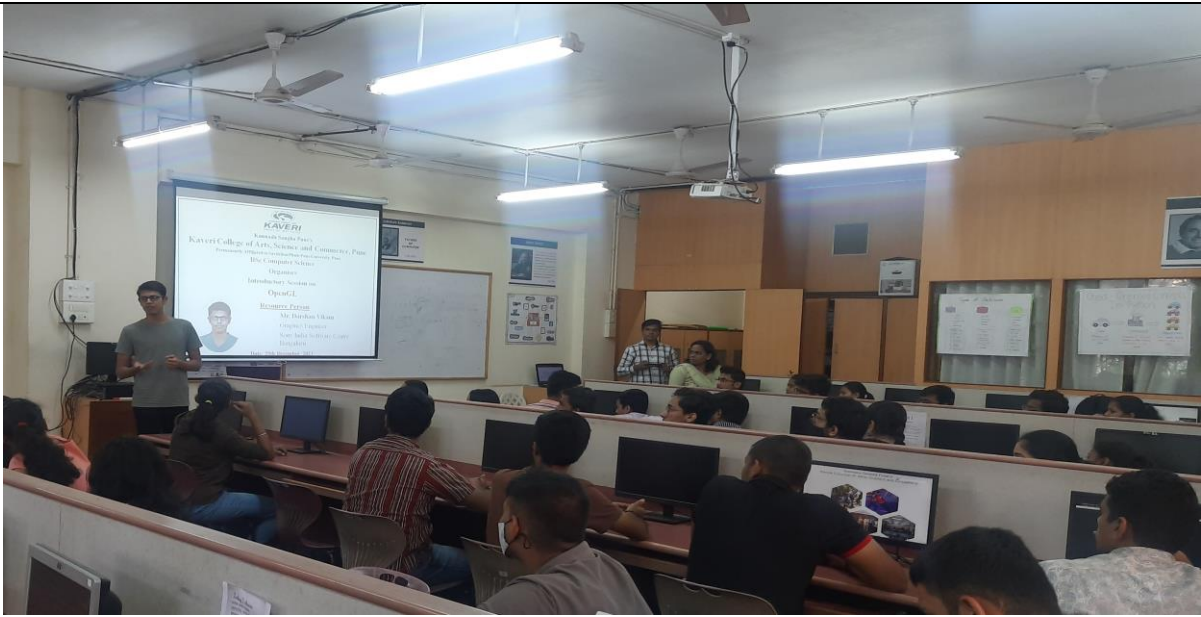
Report:

An introductory session on OpenGL was organized by the BSc Computer Science department on Friday, 29th December 2023. The event was graced by Dr. Ashok Agrawal, Executive Director of Higher Education at Kannada Sangha Pune, and Dr. Muckta Karmarkar, Principal Incharge, who motivated the students. Dr. Anand Buddhikot, Coordinator of B.Sc. Computer Science, introduced and welcomed the guest speakers.

The session was conducted by Mr. Darshan Vikam, Graphic Engineer at Sony India Software Center, Bengaluru, and Mr. Vivek Kavitate, Freelancer from Pune. They focused on current technologies and career opportunities in the graphics domain. Mr. Darshan provided insights into software like OpenGL, DirectX, and Vulkan, which are widely used by graphic engineers.

In his introduction, Mr. Darshan explained OpenGL (Open Graphics Library), a cross-language, cross-platform application programming interface (API) for rendering 2D and 3D vector graphics. He highlighted various application areas of OpenGL and discussed how aspiring students can build careers using this technology. He also shared details about potential projects that students could undertake during their graduation in the graphics domain and demonstrated several projects he had worked on using OpenGL.

The event concluded with an interactive Q&A session, with a total of 46 students actively participating.



Session on OpenGL was conducted by Mr. Darshan Vikam

Year 2023-24

Name of the Activity: Guest lecture on Technical Writing

Date: 29th December 2023

Name of the Resource Person: Mr. Vivek Kavitate, Freelancer from Pune.

Report:

A session on "Technical Writing" was organized by the BSc Computer Science department on Friday, 29th December 2023. Dr. Ashok Agrawal, Executive Director of Higher Education at Kannada Sangha Pune, along with Principal Incharge Dr. Muckta Karmarkar, graced the occasion and motivated the students.

The session was conducted by Mr. Vivek Kavitate, a freelancer from Pune, and focused on building a career in technical writing. He highlighted how technical writers create documents, user guides, and other written materials for technical products and services. Mr. Kavitate emphasized the importance of mastering specific skills to succeed in this field. Essential skills for technical writers include strong communication, technical knowledge, writing, research, and design abilities.

The session concluded with an interactive Q&A segment, where a total of 52 students actively participated.



Mr. Vivek Kavitate was felicitated by Incharge Principal Dr. Muckta Karmarkar.
Session on Technical Writing.

YEAR 2023-24

Name of the Activity: Guest Lecture on Bootstrap

Date: 21 October, 2023

Name of the Resource Person: Mr.Anurag Bhute.

Software Developer & Designer, Synerzip SoftTech India Pvt. Ltd, Pune.

Report:

A guest Lecture on Bootstrap technology was organized for students on 21 October, 2023 at 09:30 am to 11.30 am in the UG Lab,2nd Floor. Mr.Anurag Bhute, Software Developer & Designer, Synerzip SoftTech India Pvt. Ltd, Pune was invited as a resource person for the session.In a systematic way he explained about the Bootstrap technology.

Mr.Anurag gave a brief on Bootstrap Technology, that it was developed by Mark Otto and Jacob Thornton at Twitter, and released as an open source product in August 2011 on GitHub. He explained the advantages of Bootstrap and how to start with it.He explained grid, classes components

He explained that, It is a freeware frontend framework for the faster responsive webpage using HTML & CSS. He also explained all predefined classes in it.

Mrs.Shilpa Kannade welcomed the resource person and Ms. Archana Ghiware proposed a vote of thanks for the session. TYBScCS and SY BBA(CA) students attended the session in a large number.



Mr.Anurag Bhute Conducting Guest Lecture on Bootstrap

Name of the Activity: Guest Lecture on CodeIgniter & Drupal / Joomla

Date: 16 March 2024

Name of the Resource Person: Mr. Anurag Bhute.

Software Developer & Designer, Synerzip SoftTech India Pvt. Ltd, Pune.

Report:

A session on Introduction to CodeIgniter & Drupal / Joomla was conducted on Saturday, 16 March 2024 for TYBScCS and SYBBA(CA) students. Resource person Mr. Anurag Bhute briefly guided the students on the topic. In the beginning he gave a brief about CodeIgniter which is a powerful PHP framework with a very small footprint, built for developers who need a simple and elegant toolkit to create full-featured web applications.

CodeIgniter is based on the Model-View-Controller (MVC) development pattern. MVC is a software approach that separates application logic from presentation. In practice, it permits your web pages to contain minimal scripting since the presentation is separate from the PHP scripting.

He guided on prerequisites for installing CodeIgniter and Steps for Installation and Configuration (for Ubuntu OS). He also solved some assignments from the lab book.

Mr. Anurag also gave a brief introduction on Drupal. It is an open-source software that allows publishing, managing and organizing a wide variety of content on a website easier. Drupal is used to easily manage, update and publish the content in the website. Many individuals and organizations are using Drupal to create professional websites to suit their custom requirements. Because of easy creating sites, application and management, Drupal is used by many organizations. We can enhance the functionality of Drupal by adding available add-on modules.

He also guided on Creating Contents, Creating Articles and Creating basic Pages in Drupal. He explained in detail about Blocks and Modules. He also solved some assignments from the lab book



Mr. Anurag Bhute Conducting Guest Lecture on CodeIgniter & Drupal / Joomla

Name of the Activity: National Science Day

Date: 27th February 2023

Name of the Resource Person:.NA

Report:

National Science Day 2023-24 was celebrated with great enthusiasm on 27th February 2024. The theme for this year's celebration was "Indigenous Technology for Viksit Bharat", which aligns with the vision of creating a technologically advanced and sustainable India. On this special occasion, a Project Exhibition was organized to showcase the creativity, innovation, and technical skills of students. The exhibition aimed to highlight the importance of developing indigenous solutions to meet societal needs and contribute to India's growth.

The exhibition was inaugurated by Dr. Muckta Karmarkar, the In-charge Principal of the college, who congratulated the students for their efforts in designing and developing innovative projects. In her address, Dr. Karmarkar emphasized the importance of sustainability in technology development and encouraged the students to focus on incorporating eco-friendly and sustainable features in their projects.

Dr. Anand Buddhikot, a distinguished faculty member, spoke about the significance of National Science Day. He informed the audience that National Science Day is celebrated every year on 27th February to commemorate the discovery of the "Raman Effect" by Indian physicist Sir Chandrashekhara Venkata Raman (C.V. Raman). Dr. Buddhikot highlighted the objective of the exhibition, which was to inspire students to work on projects that combine scientific curiosity with practical applications that contribute to society.

The event was also graced by the presence of Dr. Ashok Agrawal, the Academic Executive Director of the college, who appreciated the students' innovative spirit and the efforts put into organizing the exhibition.

The session concluded with an interactive Q&A segment, where a total of 40 students actively participated.



Students explaining their Project

Name of the Activity: Virtual Labs

Date: 8th December to 11th December 2023

Name of the Resource Person: Mrs. Suchasmita Mohanty, Esha Joshi

Report:

The orientation sessions for Virtual Labs, organized for all BA students, took place in December 2023. The college, as a nodal center in collaboration with IIT Bombay, introduced this initiative as part of the Ministry of Human Resource Development's National Mission on Education through ICT. The initiative allows students to conduct experiments in various subjects virtually, enhancing their practical learning experience. The sessions began with an orientation and hands-on experiments on the 'Computational Linguistics Lab' and 'Virtual English and Communication.' The sessions were conducted as per the schedule. These sessions were designed to introduce students to the Virtual Labs platform and help them get acquainted with performing experiments in a virtual environment. The orientation sessions provided students with a unique opportunity to enhance their understanding of subjects through practical, hands-on experiments. The initiative aims to bridge the gap between theoretical knowledge and practical application, offering students an innovative and effective learning experience.



Students participating in Virtual Lab Experiment