



HKBK COLLEGE OF
ENGINEERING



REPORT ON ICT ACTIVITIES FOR AY 2023-24

HKBK College of Engineering (HKBKCE) has embraced Information and Communication Technology (ICT) in various aspects of its academic and administrative activities, enhancing the overall learning experience and operational efficiency within the institution. One notable ICT activity at HKBKCE is the integration of digital learning platforms and virtual classrooms. These platforms provide students with access to course materials, lectures, assignments, and collaborative tools online, facilitating flexible learning experiences. Through interactive multimedia content, live sessions, and discussion forums, students can engage with course material effectively and participate in virtual classroom interactions, promoting active learning and knowledge retention.

ICT is also instrumental in streamlining administrative processes at HKBKCE. Integrated management systems for admissions, student records, and campus facilities management ensure efficient workflow management and data accuracy. Online portals and communication platforms enable seamless communication and information sharing among students, faculty, and staff, enhancing transparency and collaboration across departments. Moreover, HKBKCE emphasizes the importance of digital literacy and ICT skills development among its stakeholders. Training programs, workshops, and seminars on ICT tools and technologies empower students and faculty members to harness the full potential of digital resources for learning, research, and professional development.

ICT Infrastructure

The college has a strong ICT infrastructure to support academic and administrative functions. This includes:

- **Wi-Fi Connectivity:** The entire campus is equipped with high-speed internet connectivity through Wi-Fi, allowing students and faculty to access online resources and participate in e-learning.
- **Computer Labs:** Several computer labs equipped with the latest hardware and software cater to students from various disciplines, particularly in computer science and engineering.
- **Smart Classrooms:** The college has implemented smart classrooms with projectors, interactive whiteboards, and audio-visual tools to facilitate effective learning experiences. These classrooms support multimedia teaching materials, making the learning process more engaging.
- **Centralized Servers:** The college utilizes centralized servers and cloud computing for data storage, backup, and access to various academic and administrative applications.

E-Learning Platforms

HKBK College of Engineering has adopted various e-learning platforms to enhance the educational experience:

- **Learning Management System (LMS):** The institution uses DIGII CAMPUS as LMS to manage course materials, assignments, and assessments. It allows students to access notes, lectures, and other resources remotely.

- **Virtual Labs:** Virtual labs are available for students in technical courses, enabling them to perform experiments and simulations online. This reduces the need for physical lab setups and allows for remote access to labs.
- **MOOCs (Massive Open Online Courses):** The college encourages students to enroll in MOOCs offered by platforms like Coursera, edX, and NPTEL. This broadens the scope of learning and provides exposure to global trends in engineering and technology.

HKBK college of Engineering, has the ICT facility for smooth functioning of the system and students will get benefit of this through online mode.

- Moodle activity
- Video lectures by faculty
- Google Class Room
- Online Courses by Students :NPTEL/Coursera /UDEMY/Infosys spring board
- Online Quiz

Moodle Activity:

Moodle activity refers to the use of the Moodle learning management system (LMS) as DIGII CAMPUS for various educational activities within an institution. Moodle is a widely used open-source platform that facilitates online learning, course management, and collaboration among students and instructors. Here's how Moodle activity can benefit educational institutions like HKBK College of Engineering (HKBKCE):

1. **Online Course Delivery:** Moodle allows instructors at HKBKCE to create and deliver online courses efficiently. They can upload course materials such as lecture notes, presentations, videos, and quizzes to the Moodle platform. Students can access these resources anytime, anywhere, fostering flexible learning opportunities.
2. **Interactive Learning:** Moodle supports interactive learning activities such as forums, chat rooms, and wikis. These tools promote student engagement, collaboration, and knowledge sharing. Discussions on Moodle forums enable students to ask questions, share ideas, and participate in academic discussions beyond the traditional classroom setting.
3. **Assessment and Feedback:** Moodle offers a range of assessment tools, including quizzes, assignments, and surveys. Instructors at HKBKCE can create online quizzes to assess students' understanding of course materials. They can also use the assignment module to collect and grade student submissions digitally. Moodle's grading and feedback features allow instructors to provide timely and personalized feedback to students, enhancing the learning experience.
4. **Resource Management:** Moodle provides a centralized platform for managing course resources and activities. Instructors can organize course content into modules or topics, making it easy for students to navigate and access materials. Learning paths and sequences to guide students through the course curriculum effectively.

HKBKCE Search Digicampus

Classroom Quiz

ISE-Cryptography and Network Security [21IS71] (ISE-Cryptography and Network Security [21IS71] B)

Module 1 Graded Total Marks: 10 mandatory

[View Description](#)

Starts on: 12th Nov 2024 | 09:00 pm Closed on: 26th Dec 2024 | 10:10 am [edit](#) Duration: 0hr 20min

Summary Participants (51/52)

Search for a student... [Download Report](#)

Roll No	Student	Set	Score	Status	Evaluation Status	Response Logs
	Taiyaba Akhtar 1HK21IS112	Set - 1	10	Attempted (Submitted)	Evaluated	View Logs
	Shaik Noorahamed 1HK21IS112	-	0	Not Attempted	-	-

DIGII CAMPUS ACCESS FOR E LEARNING PROCESS

12:36

Back Payment

Academic Fees Additional Dues

Active Fee Plan
BY 2022 BATCH 3RD YEAR ISE

Applicable Fee	INR 1,55,000
Total Payable	INR 1,45,000
Paid Till Now	INR 1,45,000
Pending Amount	INR 0

[Pay](#)

12:36

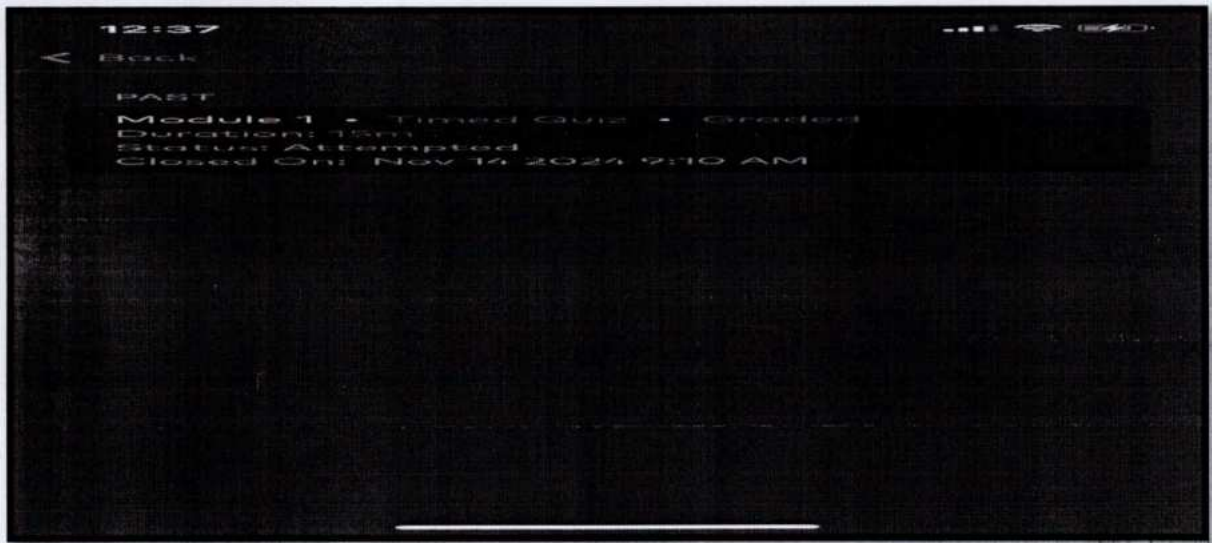
Back Academics

Attendance Records Examination Records

Term 4th Semester (2022 Batch)

Overall Attendance: 90.91%
Total Session Attended: 150/165

ISE-Advanced Java	Attendance 92.86%
ISE-Biology For Engineers	Attendance 90.48%
ISE-Practical Analysis and Design Of Algorithm	Attendance 100%
ISE-Practical Advanced Java	Attendance 100%
ISE-Universal Health Values	Attendance 100%
ISE-Practical Database Management System	Attendance 88.89%
ISE-Analysis and Design of Algorithms	Attendance 90%
ISE-Database	Attendance

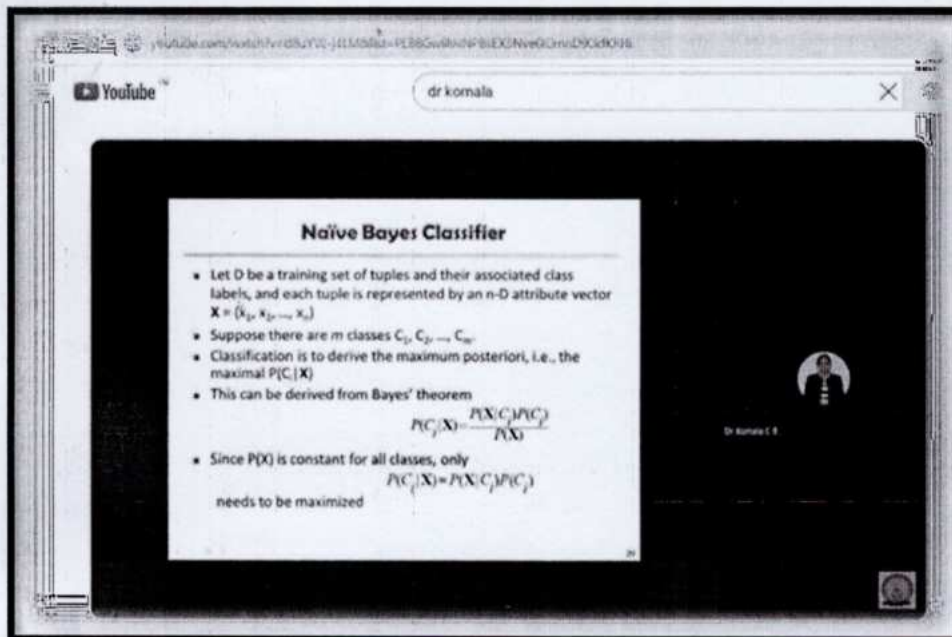


STUDENT LOGIN INTERFACE FOR FEE PAYMENT,E-LEARNING AND ATTENNDANCE

Every student of HKBKCE have integration with coll poll where the digital platform is used for conduction of online classes, Feedback Analysis ,Attendance Management ,Fee payment ,Publishing of assignments & Quiz and Notifications to students & parents for collaborative assessment

Video Lectures by Faculty

Video lectures by faculty members are an invaluable resource that enhances the learning experience for students at HKBK College of Engineering (HKBKCE). These video lectures offer several benefits for learning disability students and can be accessed at their comfort zone

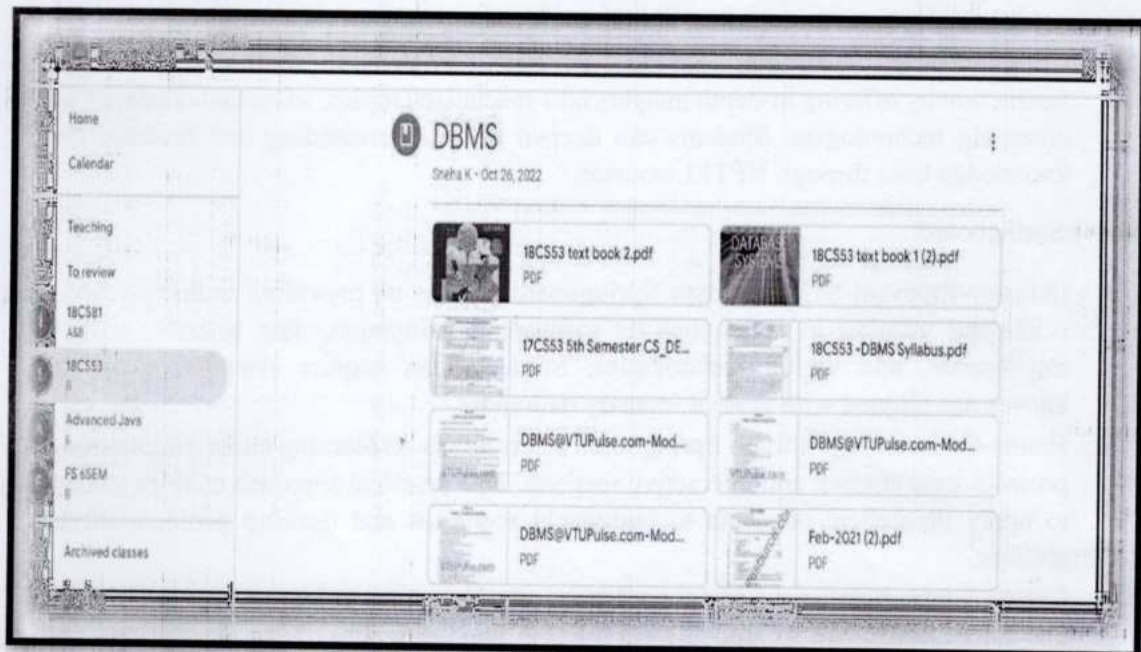


Lecture by Dr. Komala C R ISE Department

Google Class Room

Google Classroom is an innovative learning management system (LMS) developed by Google, designed to streamline the process of classroom management, communication, and collaboration in educational settings. Here are some key features and benefits of using Google Classroom at HKBK College of Engineering (HKBKCE):

- **Centralized Platform:** Google Classroom serves as a centralized platform where instructors can create, organize, and distribute course materials, assignments, and announcements. Students can access all relevant course information in one place, making it convenient and efficient.
- **Assignment Management:** Instructors can create and distribute assignments digitally through Google Classroom. Students can submit their work online, and instructors can provide feedback, grade assignments, and track student progress within the platform.
- **Communication:** Google Classroom facilitates communication between instructors and students through announcements, comments, and private messages. Instructors can share important updates, reminders, and resources, while students can ask questions, seek clarification, and engage in discussions.



Google Class Room of 21CS53 DBMS for 5th semester students

Online Courses by Students : NPTEL/COURSEERA/INFOSYS SPRING BOARD

HKBK College of Engineering (HKBKCE) may offer online courses similar to NPTEL (National Programme on Technology Enhanced Learning) and Infosys Springboard to enhance the learning experience and provide additional opportunities for skill development and knowledge acquisition. Here's how these online courses can benefit students:

NPTEL Courses:

- **Technical Expertise:** NPTEL offers a wide range of technical courses in engineering, sciences, and technology-related fields. Students can access high-quality course materials, lectures, and assessments developed by experts from premier institutions and universities.
- **Flexibility:** NPTEL courses are typically offered as self-paced online courses, allowing students to learn at their convenience. This flexibility is beneficial for students managing academic commitments alongside other responsibilities.
- **Certification:** NPTEL provides certification for successfully completing courses and assessments. These certifications add value to students' resumes and demonstrate their proficiency in specific technical domains, enhancing their employability.
- **Complementary Learning:** NPTEL courses complement traditional classroom instruction by offering in-depth insights into specialized topics, advanced concepts, and emerging technologies. Students can deepen their understanding and broaden their knowledge base through NPTEL courses.

Infosys Springboard:

- **Industry-Relevant Skills:** Infosys Springboard focuses on providing industry-relevant skills and training in areas such as software development, data science, artificial intelligence, and digital technologies. Students can acquire practical skills and knowledge aligned with current industry demands.
- **Hands-On Learning:** Infosys Springboard offers hands-on learning experiences through projects, case studies, and interactive sessions. This practical approach enables students to apply theoretical concepts to real-world scenarios and develop problem-solving abilities.
- **Career Support:** Infosys Springboard may provide career guidance, mentorship, and placement assistance to students completing their programs. This support can help students transition smoothly into the workforce or pursue advanced career opportunities.
- **Collaboration:** Infosys Springboard often collaborates with industry experts, professionals, and organizations to deliver curated courses and workshops. This collaboration enhances the relevance and authenticity of the learning content, providing students with industry insights and perspectives.



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
SYED RAYYAN HUSSAIN
for successfully completing the course

Programming in Java

with a consolidated score of **60** %

Online Assignments	15.38/25	Proctored Exam	44.39/75
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Total number of candidates certified in this course: **14693**

Jan-Apr 2024
(12 week course)

Prof. Haimanti Banerji
Coordinator, NPTEL
IIT Kharagpur



Indian Institute of Technology Kharagpur



Roll No: NPTEL24CS43S1052306285

To verify the certificate



No. of credits recommended: 3 or 4



Elite

NPTEL Online Certification

(Funded by the MoE, Govt. of India)



This certificate is awarded to
MAXSON K JOSEPH
for successfully completing the course

AI in Marketing

with a consolidated score of **71** %

Online Assignments	20/25	Proctored Exam	51/75
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Total number of candidates certified in this course: **3388**

Prof. Kaushik Ghosh,
Professor (Chemistry)
Coordinator CEC

Jan-Apr 2024
(12 week course)

Prof. Ranjana Pathania,
Professor (BSBE)
Coordinator (NPTEL)



Indian Institute of Technology Roorkee



Roll No: NPTEL24MG05S1052304882

To verify the certificate



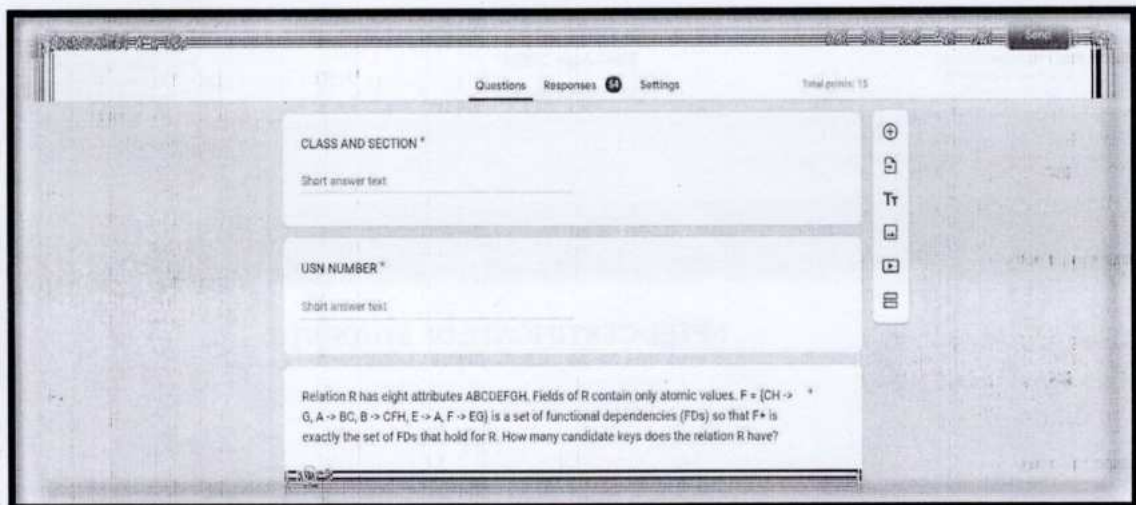
No. of credits recommended: 3 or 4

NPTEL CERTIFICATE OF STUDENTS

Online QUIZ:

Online quizzes are a valuable tool for assessing student understanding, reinforcing learning, and providing immediate feedback. Here's how HKBK College of Engineering (HKBKCE) can benefit from implementing online quizzes:

- **Assessment Accuracy:** Online quizzes can provide more accurate and consistent assessment results compared to traditional paper-based quizzes. Automated grading reduces human errors and ensures fair evaluation based on predefined criteria.
- **Time Efficiency:** Online quizzes save time for both instructors and students. Instructors can create quizzes efficiently using digital platforms and set automatic grading parameters. Students can complete quizzes at their convenience, reducing administrative burden and streamlining assessment processes.
- **Immediate Feedback:** Online quizzes offer immediate feedback to students upon completion. Instant feedback helps students identify areas of strength and weakness, enabling them to focus on areas that require improvement and enhance their learning outcomes.
- **Adaptive Learning:** Some online quiz platforms offer adaptive learning features that adjust quiz difficulty based on student performance. Adaptive quizzes can challenge students appropriately and personalize their learning experience, catering to individual learning styles and pace.
- **Engagement and Interactivity:** Interactive elements such as multimedia content, multiple-choice questions, fill-in-the-blanks, and drag-and-drop activities make online quizzes engaging for students. Gamified elements, timers, and leaderboards can further enhance student motivation and participation.
- **Data Analysis:** Online quiz platforms generate data and analytics on student performance, including scores, completion rates, and question-level insights. Instructors can analyze this data to identify trends, assess teaching effectiveness, and make data-driven decisions to improve instruction and course design.
- **Accessibility:** Online quizzes are accessible to students anytime, anywhere, as long as they have internet connectivity.



Scores			Release scores
Email	Score / 15	Score released	
syedaummekulsum1623@gmail.com	14	Jan 21 8:42 PM	
1hk20is086@hkbk.edu.in	15	Jan 21 8:47 PM	
syedhannan777@gmail.com	14	Jan 21 8:47 PM	
1hk20is111@hkbk.edu.in	15	Jan 21 8:50 PM	
1hk20is096@hkbk.edu.in	15	Jan 21 8:57 PM	
1hk20is112@hkbk.edu.in	8	Jan 21 9:01 PM	
syedsameerahmed484@gmail.com	14	Jan 21 9:01 PM	
mdadnan8217@gmail.com	15	Jan 21 9:01 PM	

A PPT presentation is one of the most widely used ICT tools by students for academic and professional purposes. It enables students to create visually engaging slideshows that can effectively communicate their ideas, research findings, and project details. Through PPT, students can integrate multimedia elements such as images, videos, and audio to make their presentations more interactive and engaging. This tool helps students organize their thoughts clearly and present them in a structured format, making it easier for their audience to follow and understand complex information. Furthermore, PPT encourages creativity and design skills as students explore various themes, layouts, and animations. By utilizing PPT as an ICT tool, students can enhance their public speaking and presentation skills, collaborate with peers on group projects, and prepare for real-world professional scenarios where presentations are a key component of communication. Overall, PPT plays a significant role in student learning, fostering both technical skills and communication proficiency.





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Lat 13.036369, Long 77.619412

12/05/2024 11:34 AM GMT+05:30

Note : Captured by GPS Map Camera

PRINCIPAL SIGNATURE
Principal

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