

Assessment Period 2015-2020



HENRY BAKER COLLEGE, MELUKAVU

A Christian Minority Educational Institution run by CSI East Kerala Diocese



Criterion 2: Teaching Learning and Evaluation

2.3.2 Teachers use ICT enabled tools for effective -learnin process

Submitted to



THE NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

2.3.2. Teachers use ICT enabled tools for effective teaching-learning process

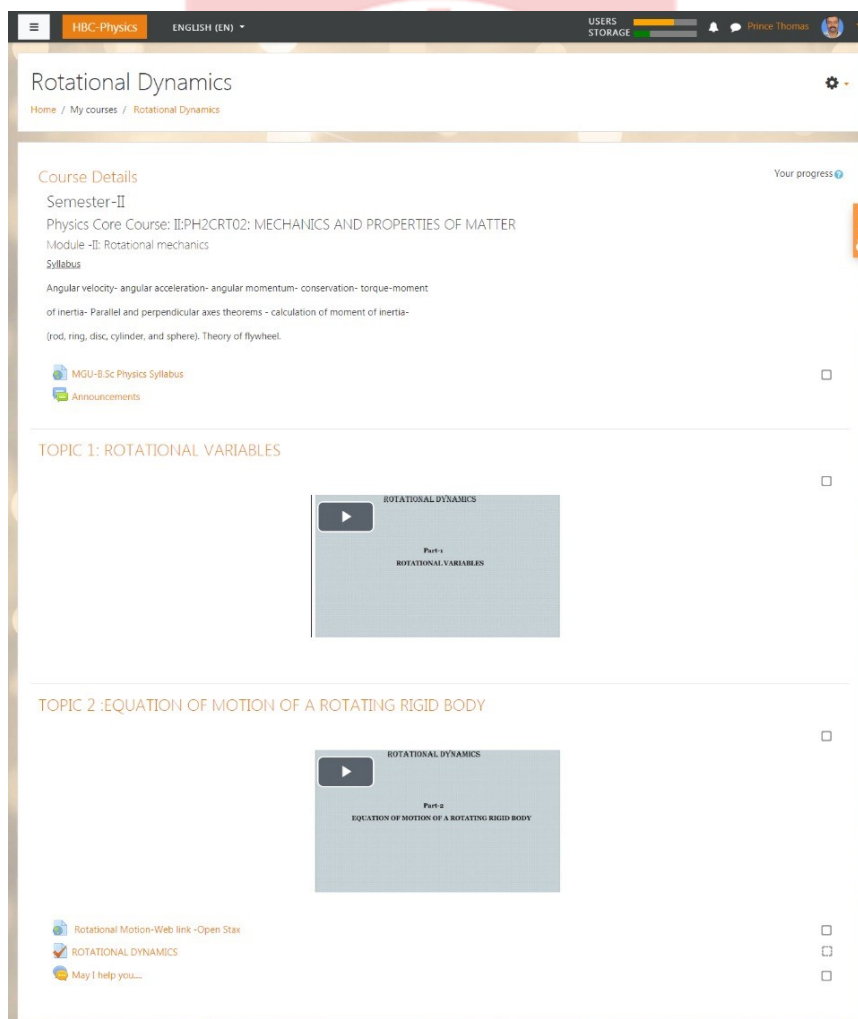
1	Course content delivery
2	Assessment and evaluation
3	ICT training for teachers and students
4	Facilities in campus

1. Course content delivery

I. Learning Management Systems: Moodle, Google Classroom, Edmodo

(i) Moodle

Moodlecloud platform. [Click Here](#)



The screenshot shows a Moodle course page for "Rotational Dynamics". The page is titled "Rotational Dynamics" and is part of a course "Semester-II" under "Physics Core Course: II:PH2CRT02: MECHANICS AND PROPERTIES OF MATTER". The module is "Rotational mechanics". The syllabus includes topics like angular velocity, angular acceleration, angular momentum, conservation, torque, moment of inertia, and the theory of flywheel. The page is organized into two main topics: "TOPIC 1: ROTATIONAL VARIABLES" and "TOPIC 2: EQUATION OF MOTION OF A ROTATING RIGID BODY". Each topic has a video player with a play button and a title. The page also includes a sidebar with "MGU-B.Sc Physics Syllabus" and "Announcements". The top navigation bar shows "HBC-Physics" and "ENGLISH (EN)".

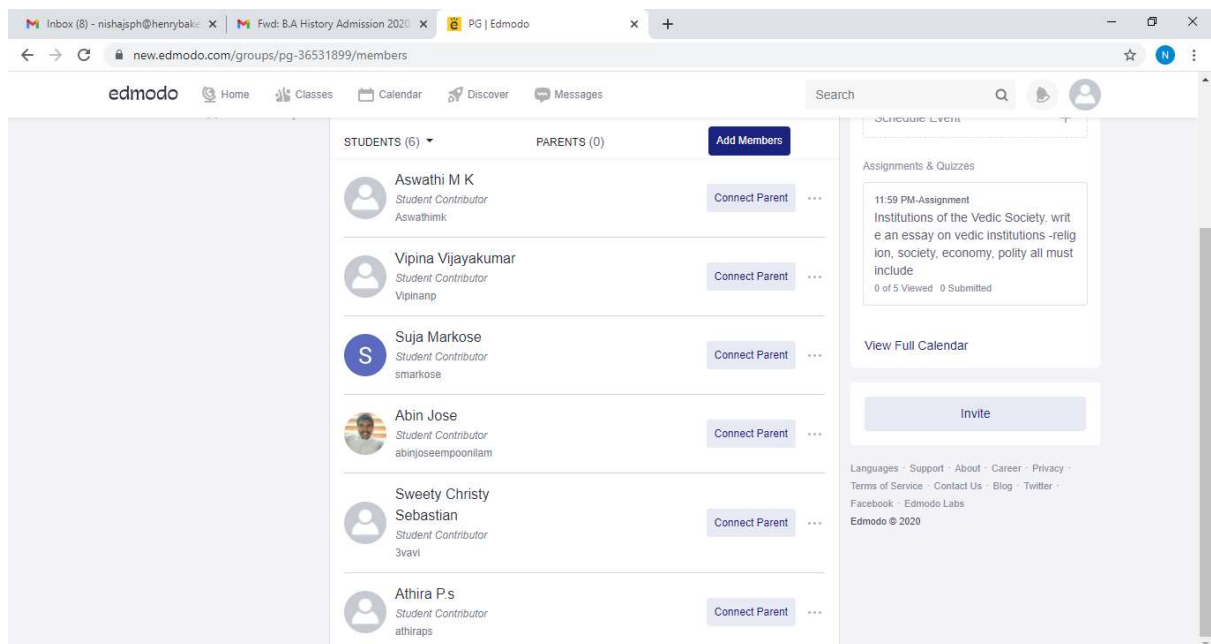
(ii) Google Classroom

The screenshot shows the Google Classroom interface for a class titled "B. Sc Physics 2018-22". The class code is "4g2ruwp". The top navigation bar includes "Stream", "Classwork", "People", and "Marks". The main header features a purple banner with the class name and code, and options to "Select theme" and "Upload photo". Below the banner, there is an "Upcoming" section indicating "No work due in soon" with a "View all" link. The stream contains two posts from "Disha VJ": one from July 5th about an "Assignment jamboard" for 1 student, and another from July 4th about installing a "Share to Classroom Chrome ext..." for 1 student.

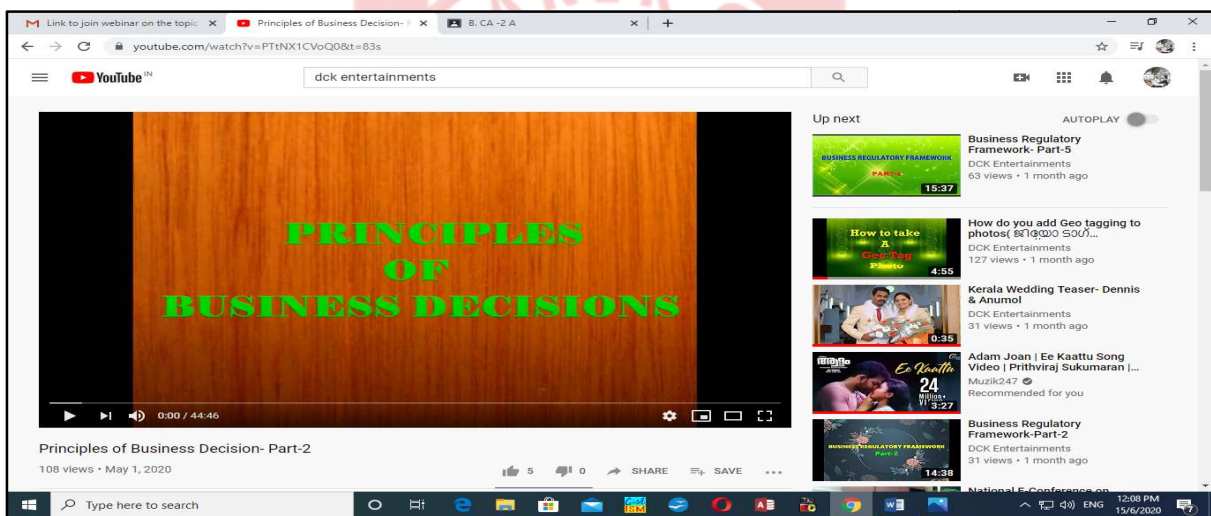
This screenshot shows a detailed view of the "Stream" for the "B. Sc Physics 2018-22" class. The top navigation bar is the same as in the previous screenshot. The stream shows a post from "Disha VJ" dated "14 May". The post text reads: "Dear students Module IV - Natural and synthetic polymers - Part II powerpoint presentation is uploaded. Please go throrh this and after that study your text. If you are facing any problem in downloading this pls inform me Thank you". Below the text is a video thumbnail titled "polymer 2 comp.mp4". Below the video is a comment input field with the placeholder "Add class comment...". Below the comment field is another post from "Disha VJ" dated "21 Apr". The text of this post reads: "Dear students Module IV - Natural and synthetic polymers - Part I powerpoint presentation is uploaded. Please go throrh this and after that study your text. I will complete the portions by three presentations. If you are facing any problem in downloading this pls inform me Thank you". Below this text is a video thumbnail titled "polymer 1 openshot com...".

The screenshot shows the Google Classroom interface for a class titled "B Sc Physics (2019-22) III Sem Complementary Chemistry". The class code is "fodovlk". The top navigation bar includes "Stream", "Classwork", "People", and "Marks". The main header features a banner with a chemistry-themed image (flasks and molecular models) and the class name and code, and options to "Select theme" and "Upload photo". Below the banner, there is an "Upcoming" section indicating "No work due in soon" with a "View all" link. The stream contains two posts from "Disha VJ": one from "28 Oct" about "Unit 5 part 2" and another from "27 Oct" about "unit V part 1".

(iii) Edmodo



(iv) HBC youtube channel



(II) Recorded Video lectures:

1. <https://www.youtube.com/watch?v=NJwfnAXrwdE&feature=youtu.be>
2. https://drive.google.com/file/d/1dO1a_nToCFV11Drw8foqEFeqFongJxtn/view?usp=sharing

Interactive contents:Prezi, Edupuzzle, H5P

Edpuzzle

The screenshot shows the Edpuzzle website interface. At the top left is the Edpuzzle logo and a search bar labeled "Search content...". To the right are navigation links for "Content", "Gradebook", and "My Classes", along with a user profile icon. A "Basic account" banner is visible, featuring a yellow "Refer to earn space" button. Below this is another search bar labeled "Search in My Content" and a "Sort by duration" dropdown menu. The main content area is titled "Videos" and displays two video thumbnails. The first video is titled "Diffraction-N-slits-16-10-2020-9" with a duration of 38:31. The second video is titled "Electromagnetic Induction and Conductors-Google meet recording-16-10-2020-12.30 pm" with a duration of 39:58. A left-hand sidebar contains navigation options: "Content", "Home", "Curriculum", "Henry Baker College, Me...", "My Content", "Popular channels", "Edpuzzle", "YouTube", and "Khan Academy".

Prezi

The screenshot shows the Prezi Video website interface. At the top, there are browser tabs for "Administration Shershah part 2.p...", "Forest Laws", and "Forest Laws 1878 | Prezi Video". The address bar shows the URL "prezi.com/v/n4buuxypsp_e/". The Prezi Video logo is on the left, and navigation links for "Unlock features", "Help", and "My videos" are on the right. The main content area features a video player showing a woman speaking, with a "Prezi Video" watermark. Below the video player are buttons for "Copy link", "Download", and "Go live". To the right of the video player is a "Set privacy" section with two options: "Public + Reusable" (selected) and "Unlisted". The "Public + Reusable" option includes the text: "Appears in searches and visible to anyone. Others can reuse the content and visuals in the video." The "Unlisted" option includes the text: "Only visible to you and the... Others cannot reuse the c...". At the bottom right, a dark overlay displays the message "Snip saved to clipboard" and "Select here to mark up and share image".

Tools for electronic circuit design, simulation and analysis – eSim

The screenshot displays a user interface for a learning management system. At the top, the header includes 'HBC-Physics', 'ENGLISH (EN)', and user information for 'Prince Thomas' with '20' users and 'STORAGE' indicators. A left sidebar lists navigation options: 'Vth Semester Practical', 'Participants', 'Badges', 'Competencies', 'Grades', 'eSim tutorial for electronic experiments simulation', 'Electric Circuit Studio (ECStudio)- Tutorial for Mobile users', 'Topic 3', 'Topic 4', and 'Home'. The main content area features the title 'eSim tutorial for electronic experiments simulation' and 'Your progress'. It contains two video thumbnails. The first thumbnail shows a circuit diagram with a voltage source V_2 , a diode labeled 'eSim_Diode', and a component labeled 'S1'. The second thumbnail shows a circuit with a voltage source $v1_{DC}$ and a resistor $R1$. A 'Restricted' notice indicates the content is available from '18 September 2020, 11:00 AM'. A 'Portal' button is visible on the right side.

Electric Circuit Studio-Mobile app for circuit design, simulation and analysis

The screenshot displays a user interface for a learning management system, similar to the one above. The header and sidebar are identical. The main content area features the title 'Electric Circuit Studio (ECStudio)- Tutorial for Mobile users'. It contains a video thumbnail showing a circuit diagram with a voltage source, a resistor $R1$, and a switch $S1$. A text box at the bottom of the video reads: 'Note: the current through the resistor R1 is not zero, as the S1 is not an ideal switch.' A 'Portal' button is visible on the right side.

Assessment methods

Online assessment tools like Google Forms, Quizzis and Edupuzzle

The screenshot shows a Quizizz quiz interface. At the top, it identifies the course as 'B Sc Physics (2019-22) III Sem' and 'Complementary Chemistry'. The quiz title is 'Quiz on gaseous state', created by 'Disha VJ' on '20 Oct', with '35 points' and a due date of 'Due 21 Oct'. Below the title, there is a 'Try this & Enjoy' section with a 'Quizizz - Game Link' and a URL: <https://quizizz.com/join?gc=007...>. At the bottom, there is a 'Class comments' section.

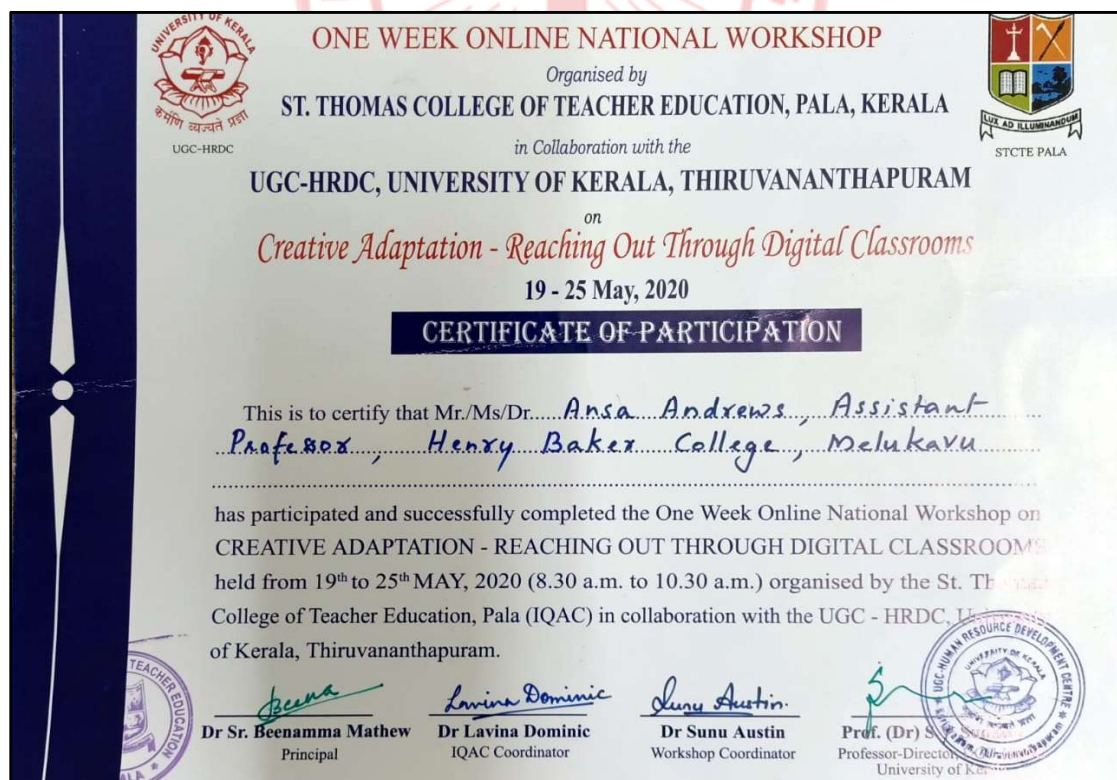
The screenshot shows the Quizizz results dashboard. At the top, there are buttons for 'Play again!', 'Review questions', 'Themes', and 'Exit'. The main area is titled 'Quiz Highlights' and contains four cards: 'Class accuracy' (21% correct), 'Toughest Question' (Q.10), 'Longest Question' (Q.8), and 'Interesting facts' (9 questions with less than 40% accuracy). Below this is an 'Overview' section with a table of participant scores for 10 questions.

Participant Names	Score	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10
		23%	27%	15%	8%	23%	46%	19%	15%	27%	8%

At the bottom, there are buttons for 'Email all parents', 'Show Time Taken', and 'Help'. The Windows taskbar is visible at the very bottom.

3. Training on ICT enabled teaching techniques

Many of our faculty had successfully completed various MHRD assisted FDPs on ICT enabled teaching for a rigorous personal and professional development.





ONE WEEK ONLINE NATIONAL WORKSHOP

Organised by
ST. THOMAS COLLEGE OF TEACHER EDUCATION, PALA, KERALA



in Collaboration with the
UGC-HRDC, UNIVERSITY OF KERALA, THIRUVANANTHAPURAM

on
Creative Adaptation - Reaching Out Through Digital Classrooms

19 - 25 May, 2020

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms/Dr. Paul Mathews, Assistant Professor,
Henry Baker College, Melukavumattom

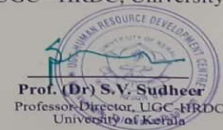
has participated and successfully completed the One Week Online National Workshop on CREATIVE ADAPTATION - REACHING OUT THROUGH DIGITAL CLASSROOMS held from 19th to 25th MAY, 2020 (8.30 a.m. to 10.30 a.m.) organised by the St. Thomas College of Teacher Education, Pala (IQAC) in collaboration with the UGC - HRDC, University of Kerala, Thiruvananthapuram.



Seenamma
Dr. Sr. Beenamma Mathew
Principal

Lavina Dominic
Dr. Lavina Dominic
IQAC Coordinator

Sunu Austin
Dr. Sunu Austin
Workshop Coordinator



Prof. (Dr) S.V. Sudheer
Professor, Director, UGC-HRDC
University of Kerala



*Teaching Learning Centre
Ramanujan College
University of Delhi*

Sponsored by
MINISTRY OF HUMAN RESOURCE DEVELOPMENT
PANDIT MADAN MOHAN MALAVIYA
NATIONAL MISSION ON TEACHERS AND TEACHING

Certificate

This is to certify that

Dr. Disha V. J.

of

Department of Chemistry, Henry Baker College, Melukavu,
Kottayam (Dt), Kerala

successfully completed Two Weeks Faculty Development Programme on
"MANAGING ONLINE CLASSES and CO-CREATING MOOCS:2.0"
from May 18 - June 03, 2020.



S.P. Aggarwal

Dr. S.P. AGGARWAL
(Principal)
Director, TLC
Ramanujan College

N. Rajput

Dr. NIKHIL RAJPUT
(Convenor)
Assistant Director, TLC
Ramanujan College





Webinar on Academic excellence in digital era


HENRY BAKER COLLEGE, MELUKAVU
Affiliated to MG University, Kottayam

National Webinar on
Academic Excellence in Digital Era
Organised by
INTERNAL QUALITY ASSURANCE CELL

RESOURCE PERSON
Dr. Sameer Babu M
Assistant Professor of Education
University of Kerala
Thiruvananthapuram



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**25 MAY, 2020
MONDAY
11.00 AM TO 1.00 PM**

Dr. Santo Jose (IQAC -Co-ordinator) Dr. Gireesh Kumar G.S (Principal)

Free E-Certificates for Participants
www.henrybakercollege.edu.in

Orientation programme for students: A hands on training on how to use Google Classroom was organised for on 12/02/2020 at seminar Hall



SWAYAM-NPTEL's online certification courses

Our institution is a local chapter of NPTEL and many of our faculty and students successfully completed NPTEL's online certification courses and received their certificates. SWAYAM-NPTEL's online certification courses

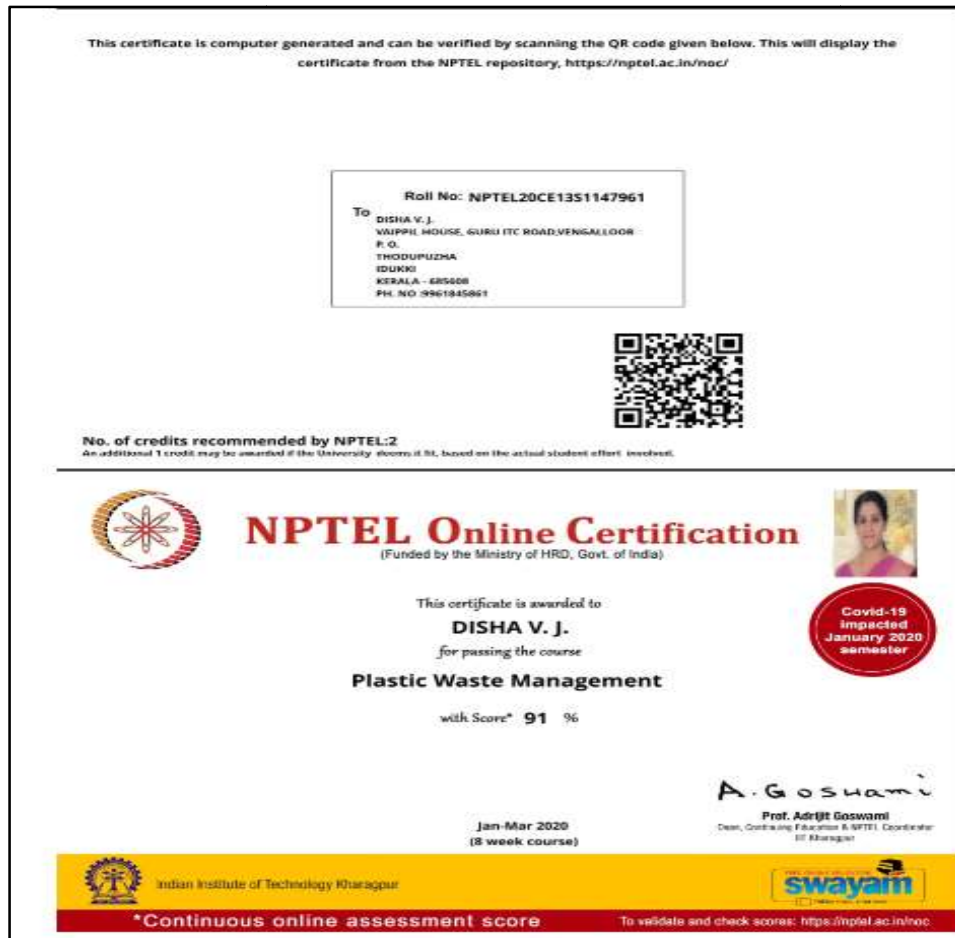
RESULT OF JANUARY – JUNE 2020 SESSION OF SWAYAM (HBC'S FIRST SWAYAM NPTEL BATCH)

7 students in Commerce and 7 faculty members (4 in Commerce, 1 in History, 1 in Chemistry and 1 in English) have passed SWAYAM NPTEL Course certifications. More than 50 students and 10 faculties have completed their courses in this session by submitting all of their assignments and waiting for the examination (Because of this Covid 19 Pandemic, all examinations of SWAYAM have been postponed). As on 25th July 2020 160 students of

HBC have been enrolled for different courses. The published progress report of our Local Chapter is given here.

Sl No	Name	Course	Status	Department
1	Dr. Santo Jose	ARPIT Course in Financial Markets and Emerging Business Models	Refresher in Commerce	Commerce
2	Ashly Mereena Mathew	Principles of Human resource Management	NPTEL Attested Certificate and Marksheet, 98% Marks	Commerce
3	Lenittamol Abraham	Behavioural and Personal Finance	NPTEL Attested Certificate and Marksheet, 88% Marks	Commerce
4	Ms. Foumitha Kareem	Principles of Human Resource Management	NPTEL Attested Certificate and Marksheet, 100% Marks	Commerce
5	Ms. Sherin Joseph	Principles of Human Resource Management	NPTEL Attested Certificate and Marksheet, 100% Marks	Commerce
6	Ms. Rifna V Subair	Principles of Human Resource Management	NPTEL Attested Certificate and Marksheet, 100% Marks	Commerce
7	Ms. NivyaReji	German Level 1	NPTEL Attested Certificate and Marksheet, 69% Marks	Commerce
8	Ms. Vigitha Sumukaran	Consumer Behaviour	NPTEL Attested Certificate and Marksheet, 85% Marks	Commerce
9	Ms. Dona Sebastian	Consumer Behaviour	NPTEL Attested Certificate and Marksheet, 73% Marks	Commerce

10	Prof. Jenipher Carlos Hosanna	(1) ARPIT Course in Financial Markets and Emerging Business Models	Refresher in Commerce	Commerce
		(2) Refresher in Commerce		
		(3) German Level 1	NPTEL Attested Certificate and Marksheet, 86% Marks	
		(4) Corporate Social Responsibility (July – Sept. 2019)	Elite with Silver Medal, FDP	
11	Ms. Litty Josh	Introduction to Indian Art: An Appreciation	NPTEL Attested Certificate and Marksheet, 77% Marks	Commerce
12	Dr. Disha V J	(1) Plastic Waste Management	NPTEL Attested Certificate and Marksheet, 91% Marks	Chemistry
		(2) Fundamentals of Spectroscopy	NPTEL Attested Certificate and Marksheet, 75% Marks	Chemistry
14	Dr. Beena Paul	(1) Introduction to Cultural Studies	NPTEL Attested Certificate and Marksheet, 77% Marks	History
		(2) ARPIT Course in Gender/Women Studies	Refresher in History	
15	Elizabeth Joseph	Annual Refresher Programme in English Language Teaching	Refresher in English	English



PowerPoint Presentation Competitions on World Ozone day, National Science day, Online Seminars etc. are adopted to ensure that our students stay ahead in this technological era.



ICT enabled presentation by students on National Science day 'Nobel Prize in Physics & chemistry 2019



PowerPoint presentation competition on world ozone day 2018



Mobile apps developed by Jithin Johnson, III B Com for quick access to e-learning resources.

