



SREEKRISHNAPURAM V.T. BHATTATHIRIPAD COLLEGE

Aided and Affiliated to University of Calicut, NAAC Accredited with B+ Grade

Phone (Office) : 0466-2268285 | Email : principalvtbcollege@gmail.com



CRITERION – II TEACHING–LEARNING AND EVALUATION

2.3 Teaching- Learning Process



www.vtb.ac.in



Mannampatta P.O., Palakkad – 678 633

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2.3.1 Student Centric Methods

PROBLEM-SOLVING METHODOLOGIES

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PROBLEM-SOLVING METHODOLOGIES

Problem-solving methods are systematic approaches used to analyze, identify, and implement solutions to complex or challenging issues. These methods help individuals or teams navigate obstacles, make decisions, and achieve desired outcomes effectively.

At Sreekrishnapuram V T Bhattathiripad College, we have three programmes under the banner of Problem-solving:

- **VisionPlus:** A flagship Project undertaken by Post Graduate students of Computer Science to help Visually Impaired children lead a normal life.
 - **Online Braille Translator:** FOSS platform.
 - **Smart Glass for Object Detection.**
 - **Accessible Maths Tutor.**
 - **Creating Games Apps: Ludo, Snake & Ladder.**
- **Blossom@VTB :**
 - Students of our college contributed innovative ideas to the **Young Innovative Programme** organized by the Kerala Government.
 - Students through IEDC started the Custom Printing and Coil Binding Unit at VTB College.
- **SolveSmart@VTB:**
 - M.Sc. Computer Science students undertake problem-based projects.
 - Case Studies by Commerce, History Economics and Sanskrit students.
 - Games, Puzzles and Quizzes
 - Socio-economic Survey:
 - Tribal Survey by History Students
 - Soil Survey Project in association with Integrated Rural Technology Centre, Kerala undertaken by the Department of Economics students



VisionPlus

A Flagship programme of Students of M.Sc. Computer Science

Students of MSc Computer Science, Sreekrishnapuram V. T. Bhattathirippad College have developed games and apps **for differently abled students** as part of their Final year project work in association with ZENDALONA, an organization providing accessibility solutions for differently abled people. Projects were developed to promote and inculcate Free and Open-source Software (FOSS) culture among students and equip them **to be good problem-solvers for the well-being of society**. These games are primarily audio-based, which enhances the mathematical and cognitive skills of visually challenged students.

The innovative projects conceived by the students include:

1. Online Braille Translator
2. Braille Translator GUI
3. Online Accessible Bluff
4. Maths Tutor
5. Accessible Snakes and Ladders

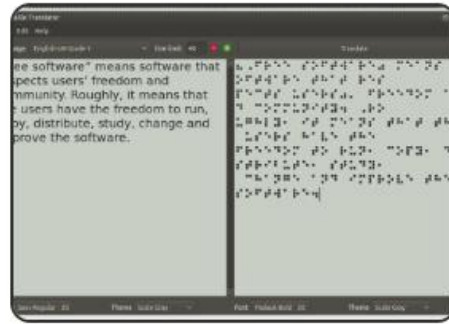
1 Online Braille Translator:

The Online Braille Translator is a web-based tool designed **for converting text into Braille**, prioritizing accessibility and user-friendliness. It features an intuitive interface, making translation effortless, even **for users with visual impairments**. Language support is extensive, accommodating various languages and specialized Braille contractions.





Braille-Translator - 1



Braille-Translator - 2



Braille-Translator - 3



Braille-Translator - 4

Source: <https://zendalona.com/braille-translator-gui/>

2. Braille Translator GUI

The Braille Translator GUI is an offline application designed for text-to-Braille conversion with a strong focus on accessibility. It offers a user-friendly interface with two text views, supports Grade 1 and Grade 2 Braille translations, and allows users to customize line lengths.

<https://zendalona.com/braille-translator-gui/>

3. Online Accessible Bluff:

Accessible-Bluff is a web-based card game that relies on the skill of bluffing, and replicating real-world gaming scenarios within the software. This game replicates real-life experiences by enabling teams to establish private rooms for both individual privacy and, if necessary, seamless collaboration among team members located remotely anywhere in the world. The game is designed with accessibility in mind, ensuring that all actions and information are conveyed



audibly using a screen reader.

<https://zendalona.com/accessible-bluff/>

4. Maths Tutor

Accessible Maths Tutor is a wonderful tool that combines the enjoyment of gaming with the essential skill of mathematics. Imagine having a friendly mentor right on your computer screen, guiding you through maths problems in a fun and interactive way.

<https://zendalona.com/accessible-maths-tutor/>

5. Accessible Snakes and Ladders

Accessible Snakes and Ladders” is a board game application designed to deliver the timeless enjoyment of Snakes and Ladders while prioritizing accessibility for all players. Our primary emphasis is on accessibility, making sure that the excitement of board games is within reach for everyone **including visually impaired.**

<https://zendalona.com/accessible-snakes-and-ladders/>



INAUGURATION OF Snake and Ladder Game by Ottapalam MLA.



Blossom@VTB

A platform for the Young Innovators of VTB to blossom

Under the banner Blossom@VTB, Sreekrishnapuram V T Bhattathiripad College initiates a platform for young innovators who can contribute innovative ideas to the world of industry. We have associated with the Young Innovative Programme (YIP) of the Kerala Government and our students contributed creative ideas to the YIP and got district-level appreciation for the students.

Also, in association with Kerala Development and Innovation Strategic Council (K-DISC), our college has given Voice of Stakeholder Training for the students of VTB.





CERTIFICATE

— OF APPRECIATION —

This certificate is awarded to : **DHANANJAY KRISHNAN KS**
IDEATOR ID : 22YIP143469
SREEKRISHNAPURAM V.T.BHATTATHIRIPPA COLLEGE, MANNAMPATTA

for the completion of Voice of Stakeholder(VoS) Training held as part
of the Young Innovators Program(YIP) 2022 conducted by the Kerala
Development and Innovation Strategic Council(K-DISC).



Unnikrishnan PV

Dr. P.V. Unnikrishnan
Member Secretary, K-DISC

Certificate of Appreciation to DHANANJAY KRISHNAN K S for attending training
provided by Kerala Development and Innovation Strategic Council (K-DISC)





CERTIFICATE

— OF APPRECIATION —

This certificate is awarded to : **SREERAM E M**
IDEATOR ID : 22YIP146255
SREEKRISHNAPURAM V.T.BHATTATHIRIPPA COLLEGE, MANNAMPATTA

for the completion of Voice of Stakeholder(VoS) Training held as part of the Young Innovators Program(YIP) 2022 conducted by the Kerala Development and Innovation Strategic Council(K-DISC).

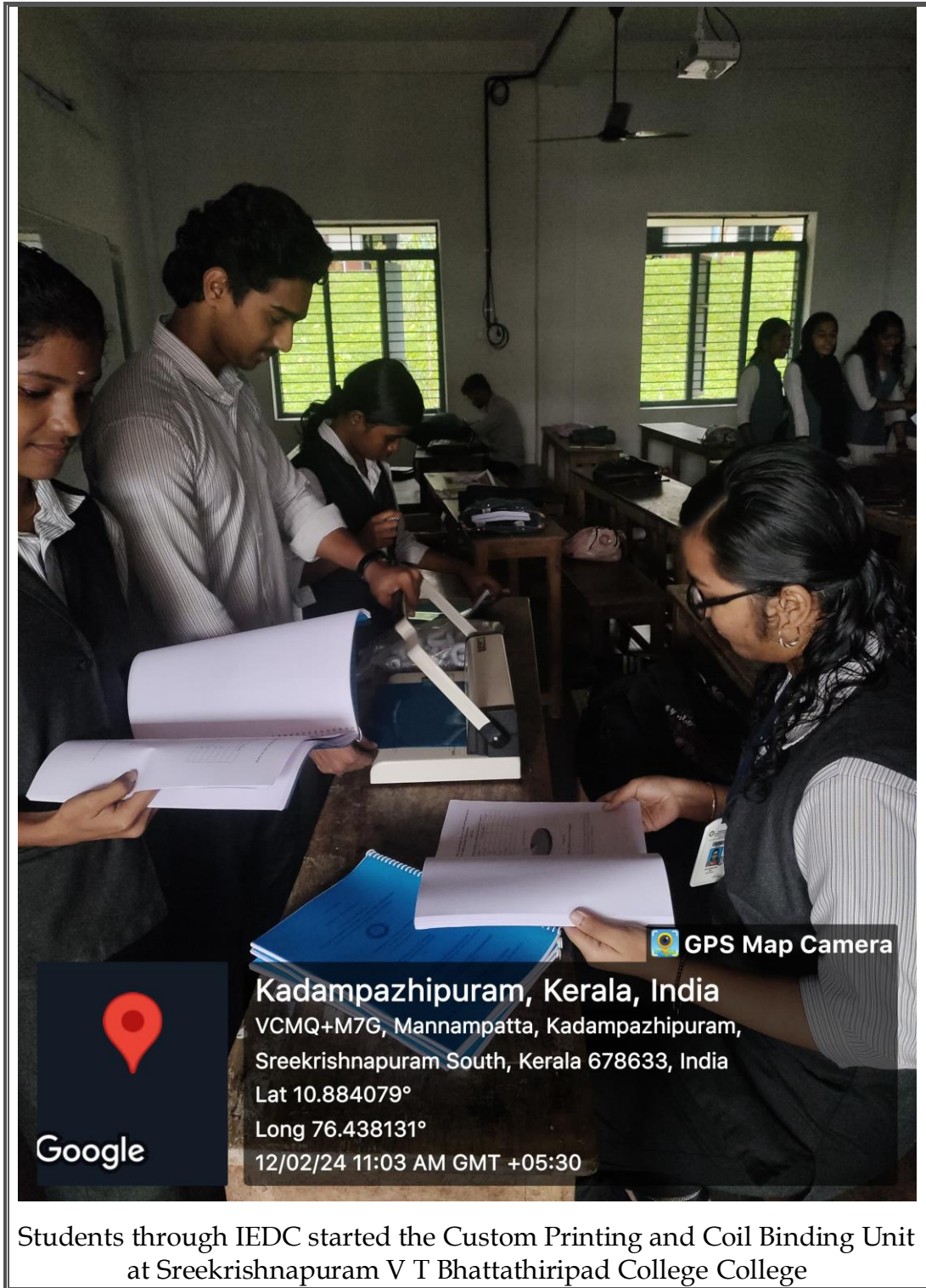


Unnikrishnan P.V

Dr. P.V. Unnikrishnan
Member Secretary, K-DISC

Certificate of Appreciation to SREERAM E M for attending training provided by Kerala Development and Innovation Strategic Council (K-DISC)





GPS Map Camera
Kadampazhipuram, Kerala, India
VCMQ+M7G, Mannampatta, Kadampazhipuram,
Sreekrishnapuram South, Kerala 678633, India
Lat 10.884079°
Long 76.438131°
12/02/24 11:03 AM GMT +05:30

Students through IEDC started the Custom Printing and Coil Binding Unit at Sreekrishnapuram V T Bhattathiripad College College



SolveSmart@VTB

Programme to enrich the inquisitive attitude and problem-solving skills of the students

Sreekrishnapuram V T Bhattathiripad College has initiated a programme named **SolveSmart@VTB** to provide opportunities for students to enrich their inquisitive and problem-solving abilities through different activities.

Activities:

1. Problem-based Projects done by the students
2. Case Studies
3. Games, Puzzles and Quizzes
4. Socio-economic Surveys



Problem-based Projects

Student projects provide opportunities for students to explore new areas of knowledge.

Certificate

This is to certify that the project report entitled "CROP RECOMMENDATION AND DISEASE DETECTION USING DEEP LEARNING" submitted by AMRITHA AJAYAKUMAR(Register Number: VTAWMCS001)to University of Calicut for the award of the degree of Master of Science(M.S.c) in Computer Science is a bonafide record of the project work carried out by him/her under my supervision and guidance. The content of the report, in full or parts have not been submitted to any other Institute or University for the award of any other degree or diploma.


BHAVYA P V

Assistant Professor


SUBHA I N

Head of Department

DEPARTMENT OF COMPUTER SCIENCE


V T B COLLEGE MANNAPATTA

Place: SREEKRISHNAPURAM

Date:

Certified that the candidate was examined was examined by us in the Project Viva Voice Examination held on 09/07/2024 and his/her Register Number is VTAWMCS001.....

Examiners:

1. SREEJA K 

2.

Project Work done by one of the final-year students on Disease Detection using Deep Learning - a problem-based project



Certificate

This is to certify that the project report entitled "INDIAN DANCE FORMS CLASSIFICATION USING DEEP LEARNING" submitted by KRISHNA C (Register Number: VTAWMCS006) to University of Calicut for the award of the degree of Master of Science(M.S.c) in Computer Science is a bonafide record of the project work carried out by him/her under my supervision and guidance. The content of the report, in full or parts have not been submitted to any other Institute or University for the award of any other degree or diploma.

Bhavya P V

Faculty Guide

Associate professor

Subha I N

Head Of Department

DEPARTMENT OF COMPUTER SCIENCE

V T B COLLEGE MANNAPATTA

Place: SREEKRISHNAPURAM

Date: 09/07/24



Certified that the candidate was examined was examined by us in the Project Viva Voice Examination held on 09/07/24..... and his/her Register Number is ...VTAWMCS006.....

Examiners:

1. SREEJA K

Sreeja
09/07/2024

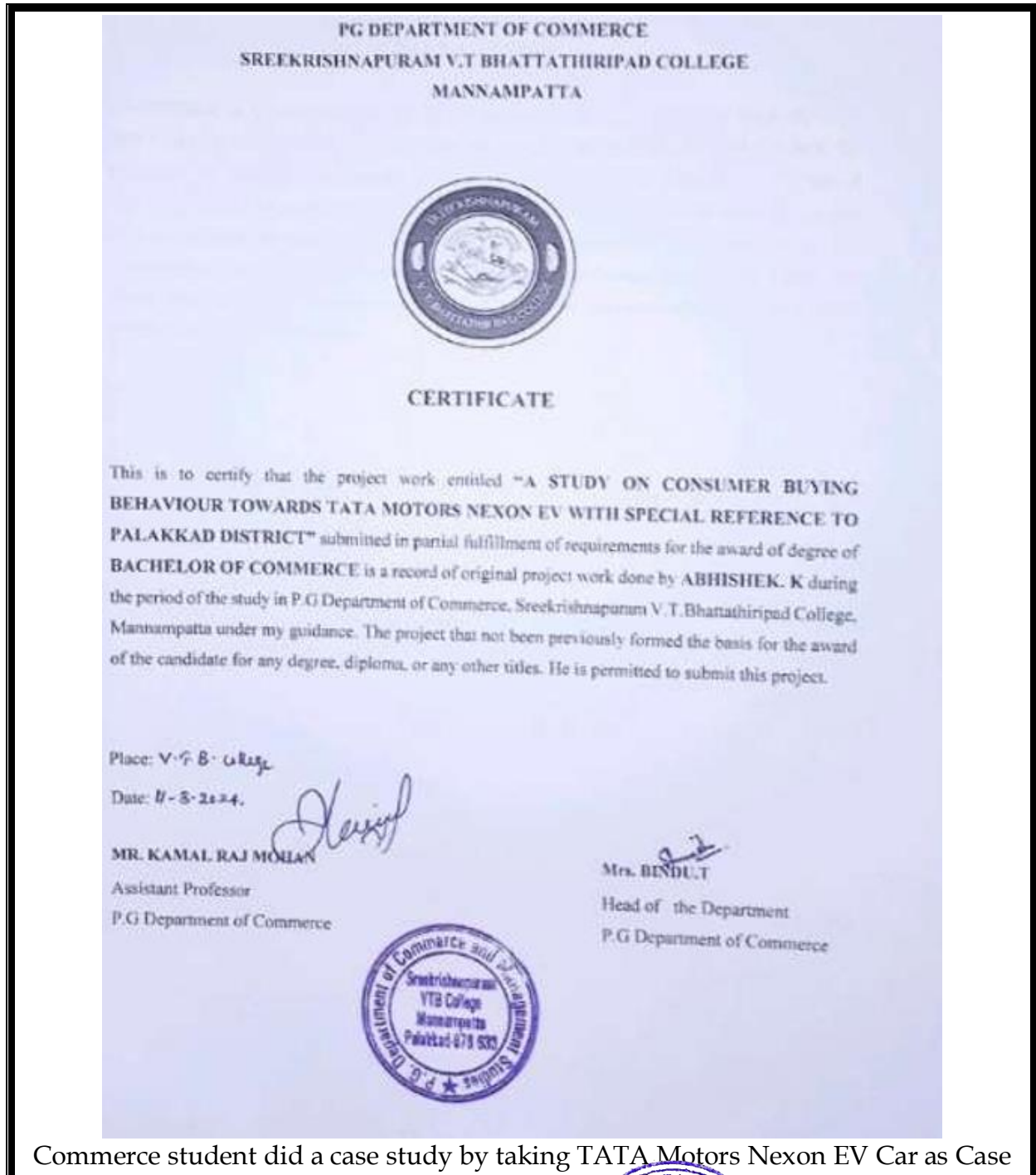
2.

Problem-based project done by Final Year student on Classification of Indian Dance Forms

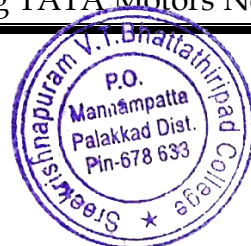


Case Studies

A case study is a detailed, in-depth examination of a particular case within a real-world context. The students of Commerce, Management, Economics and History do case study as their project.



Commerce student did a case study by taking TATA Motors Nexon EV Car as Case





CERTIFICATE

This is to certify that the project work entitled "JOB SATISFACTION OF EMPLOYEES IN SPECIAL REFERENCE TO CANARA BANK CHERPULLISHERY BRANCH" submitted in partial fulfillment of requirements for the award of degree of BACHELOR OF COMMERCE is a record of original project work done by MANEESHA during the period of the study in P.G Department of Commerce, SREEKRISHNAPURAM V.T. BATTATHIRIPAD College, MANNAMPATTA under my guidance. The project that not been previously formed the basis for the award of the candidate for any degree, diploma, or any other titles. She is permitted to submit this project.

Place: Sreekrishnapuram V.T. B. College

Date: 11-3-2024

SINUM

Assistant professor
P.G Department of Commerce

Mrs. BINDU T

Head of the Department
P.G Department of Commerce,



Final Year Student did a case study by taking Canara Bank Cherpulassery Branch as a Case



Quizzes, Puzzles and Games

The quiz programme cater to the inquisitive minds of the students. Online Quiz platforms like Quizzes and Kahoot are utilized at the class level to inculcate problem-solving skills.





Organized by Mathematics Department



Leadership Fest (Commerce & Management Club)

Management and Leadership Games

NATIONAL MATHEMATICS DAY
VTB COLLEGE MANNAMPATTA
DEPT OF MATHEMATICS

22 DECEMBER IS OBSERVED AS NATIONAL MATHEMATICS DAY TO MARK THE BIRTH ANNIVERSARY OF SRINIVASA RAMANUJAN, A LEGENDARY INDIAN MATHEMATICIAN. WE ARE CELEBRATING IT BY CONDUCTING SEVERAL INTER DEPARTMENT COMPETITIONS. ALL ARE INVITED.

EVENTS

TREASURE HUNT
TEAM OF 5-8
DATE: 22.12.2022
TIME: 2.00 PM

MATH QUIZ
TEAM OF 2
DATE: 22.12.2022
TIME: 11.00 AM
VENUE: SEMINAR HALL

MATH PU
INDIVIDUAL
DATE: 03.01.2023
TIME: 2.00 PM
VENUE: SEMINAR HALL

Interesting prizes are awaiting !!

Contact us
☎ 7306672458
✉ vtbmth@gmail.com

Principal
V.T. Bhattathiripad College
P.O. Mannampatta Palakkad District
Pin-678 633

REGISTRATION WILL BE CLOSED BY 3.00PM 21/12/22.

Mathematics Club of our college organizes Mathematics Games



SREEKRISHNAPURAM V T BHATTATHIRIPAD COLLEGE

MANNAMPATTA, PALAKKAD, 678633

(Govt Aided Institution | Affiliated to Calicut University)

*Entrepreneurship Development
Club
Commemorates*

WOMEN ENTREPRENEURSHIP DAY

2023

**INTER DEPARTMENTAL
BUSINESS QUIZ**

DATE 20-11-2023

VENUE : SEMINAR HALL

TIME : 11:00 AM



Management Students organized an Inter-departmental Business Quiz



COMMERCE AND MANAGEMENT CLUB,
VTB COLLEGE

JAN
25

PRESENTS

Le GAGNER

LEADERSHIP FEST 2023

TEAM OF 4..!!

1st PRICE -



11.30 to 1.00 pm
1.30 to 2.00 pm

@ SEMINAR HALL

VTB COLLEGE SREEKRISHNAPURAM

Made with PosterMyWall.com





Commerce and Management Students organized the Leadership Fest



CERTIFICATE *Of Appreciation*



GIIMS
Institute of Logistics
www.giims.in
KOCHI

This certificate is proudly presented to

VTB College, Mannampatta

for continuously conducting Annual All Kerala Best Manager Contest
organized by GIIMS Cochin, a member of
World University Consortium, California, USA.

Sanil John

Director



V.T. Bhattathiripad

Chief Executive



Global
Institute of Integral
Management Studies



Member Institute of
World University Consortium
Creating Tomorrow's Global Leaders
California, USA



In association with



KIALP KERALA INSTITUTE OF
APPLIED LOGISTICS & PORTAL
MANAGEMENT STUDIES

Appreciation Certificate received by our College from GIIMS for regularly conducting Best Manager Context

Kamal Mohan

Basic account

Upgrade

Create

Explore

My library

Quizizz AI **NEW**

Reports

Classes

Settings

More

Hi Kamal 🙌

What are you teaching today?

Search for any topic

Latest reports

Live Quiz on Quit India Movement (NSS - SVTB College)

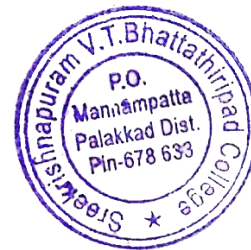
46 participants 13% accuracy Aug 8, 2021

Live Quiz on Quit India Movement (NSS - SVTB College)

1 participant 17% accuracy Aug 8, 2021

Create with QUIZZZ AI

Quickly create quizzes from videos, articles or documents with Quizizz AI



Summer offer! Achieve end-to-end course engagement and save over 20% on Kahoot!+ from \$11.99/month. Offer ends July 31 [Buy now](#)

K!EDU Basic [Upgrade](#) [Create](#)

Quiz on Sanskrit literature
Kahoot in progress

Kahoot finished [View results](#) 0

Kahoot finished [View results](#) 0

5 plays · 11 players

[Host live](#) [Assign](#) [Play solo](#)

Let this kahoot inspire your own quiz for Sanskrit promo

Questions (10)

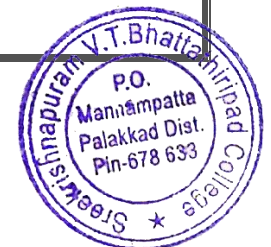
- 1 - Quiz
Who is the author of Malvikagnimitram
- 2 - Quiz
Who is known as Keralapanini
- 3 - Quiz
Who is the author of Astadhyayi
- 4 - True or false
The theme of Abhijnanasakuntalam is taken from Mahabharata
- 5 - Quiz
Which Vedanga is known as the eyes of Vedapurusa
- 6 - Quiz

PARVATHY K.P. [View Profile](#)

- Change language
- Billing
- Profile settings
- Upgrade
- Resources
- Sign out

76°F Cloudy ENG IN 3:18 PM 15/07/2024

Online Quizzes organized by NSS and Department of Sanskrit



Socio-economic Surveys

The students of the Department of Economics conducted surveys in association with the Integrated Rural Technology Centre (IRTC) as part of the NABARD KFW Soil Project.

Students of the Department of History also conduct various surveys like Tribal Survey, Nature Surveys, etc.

Such surveys develop a sense of inquiry and the capability for asking relevant questions.



Certificate issued by IRTC to the student for participating in the survey



Tribal Survey Conducted by History Students

The purpose of this survey is to gather information about the 'Local history of the tribes in the remote areas of Palakkad district.' Understanding the history and culture of these tribes is essential for preserving their heritage and promoting cultural diversity.





Nature Survey in the college to validate the green resources of the college.





Survey regarding Economic Planning of the Household.



[Handwritten Signature]
PRINCIPAL
Sreekrishnapuram VT Bhattathiripad College
Mannampatta, Palakkad - 678633