S. P. Mandali's   Mobile No. 8263838388

टिळक शिक्षण महाविद्यालय, पुणे – ४११०३०.

Tilak College of Education, Pune
411030

NAAC – Reaccredited to Grade 'A' from 25th October 2013

1633, Sadashiv Peth, S.P. College campus, Pune – 411030.

Affiliated to Savitribai Phule Pune University (ID No. PU/PN/Edn/009, 1941)

Website: www.tilakcollegeofeducation.org   E-mail: tilakcollege1941@gmail.com

2.3.4 ICT support is used by students in various learning situations

ICT support is used by students from Tilak College of Education, Pune in various learning situations, including understanding theory courses.

• The college offers B.Ed. course in various languages such as Marathi, Hindi, English, Sanskrit. The students can choose their medium of instruction and method of teaching according to their preference and aptitude. The college also provides learning resources in different languages for the students to enhance their learning outcomes and skills.

• The college provides various learning resources for the students to enhance their learning outcomes and skills. The learning resources include e-content, e-books, e-journals, e-assignments, e-quizzes, etc. The learning resources are available on the college website or through other online platforms. The learning resources help the students to learn in different modes and formats.

• The college conducts a student satisfaction survey (SSS) on overall institutional performance every year. The survey focuses on the feedback of the students on various parameters such as teachers' abilities, skills and attributes, usage of innovative teaching methodologies, learning environment, support services, internal evaluation, etc. The survey results are presented in graphical format and shared with the students for their feedback.

Tilak College of Education recognizes the pivotal role of Information and Communication Technology (ICT) in enriching the learning experience. Students at the college leverage ICT support in diverse learning situations, from understanding theory courses to practice teaching, internships, and out-of-classroom activities. This report provides an overview of how ICT is integrated into each of these learning contexts.

Understanding Theory Courses

ICT is seamlessly integrated into theory courses, providing students with resources and tools for a more engaging and comprehensive learning experience:

1. E-Learning Platforms: Access to digital textbooks, online lectures, and interactive modules ensures that students have the latest and most dynamic resources at their disposal.

2. Learning Management System (LMS): The LMS centralizes course materials, assignments, and communication with instructors, facilitating organized and efficient learning.

3. Educational Apps: Students are encouraged to use educational apps that cater to different subjects, promoting self-paced learning and skill development.

Practice Teaching:

When it comes to practice teaching, ICT takes the learning experience to the next level:

1. Virtual Classrooms: Students engage in teaching simulations through virtual classrooms, providing a safe and controlled environment for honing their teaching skills.

2. Video Analysis: Recording and analysing practice teaching sessions using video technology helps students receive constructive feedback and refine their teaching techniques.

Internship

ICT support during internships proves to be invaluable:

1. Digital Documentation: Interns use digital tools for efficient documentation and reporting, streamlining the internship process.

2. Remote Collaboration: Collaboration with mentors and peers is enhanced through video conferencing, ensuring continuous support and guidance.

Out-of-Classroom Activities

Beyond traditional learning, students benefit from ICT in extracurricular and co-curricular activities:

1. Online Workshops: Students participate in webinars and online workshops, expanding their horizons and gaining additional skills.

2. Virtual Field Visits: When in-person field visits are not possible, virtual tours and interactive resources are employed to replicate the experience.

Benefits

1. Accessibility: ICT ensures that learning resources are accessible from anywhere, promoting inclusivity and flexibility.

2. Engagement: Interactive elements and multimedia content captivate students, making learning more engaging and effective.

3. Skill Development: Exposure to ICT equips students with essential digital literacy skills, vital in the modern job market.

Conclusion

Tilak College of Education has embraced ICT support to cater to the diverse learning situations students encounter in their academic journey. The integration of ICT into understanding theory courses, practice teaching, internships, and out-of-classroom activities has ushered in a more dynamic and technology-rich educational environment. This not only enhances learning but also ensures that students are well-prepared for the challenges and opportunities of the digital age.
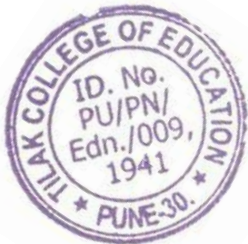
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Website: www.tilakcollegeofeducation.org   E-mail: tilakcollege1941@gmail.com

2.3.4 ICT support is used by students in various learning situations

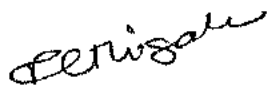| Sr. No.	Particulars
1	Understanding theory courses
2	Practice teaching
3	Internship
4	Out of class room activities

1. Understanding theory courses

TILAK COLLEGE OF EDUCATION, PUNE 30

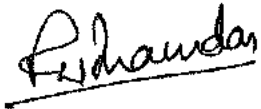## BED 105 – Learning resources on YouTube

Dr. Rajendra Thigale shared links with students.

Dr. Rajendra Thigale presented and provided following YouTube videos for the student's of Tilak College of Education specially during Feb 23 to August 23, all the 96 students who have this course as a compulsory course, they are benefitted through this activity.

Sr. No.	Topic	Link	Remark if any
1	Concept of pedagogy	https://youtu.be/x-gQWyF5o0g?si=1mz3vLgS_I0mKqC	English
2	Need of Analysis of pedagogy	https://youtu.be/k_4mAiWhYZY?si=F5xmGotgptTWkq_Q	English
3	Analysis of pedagogy	https://youtu.be/tMh_ytKq2pA?si=71_US8Zto5zjrTuB	English
4	Forms of Knowledge	https://youtu.be/P80yXaTtus0?si=CKuVziZdfkFbQjNH	English
5	Advanced Pedagogy	https://youtu.be/hON8iEO7bNY?si=xKjHldk6mMEdSHUE	Marathi
6	Concept of pedagogy	https://youtu.be/teoH6kVOwis?si=7a-vviLriN3LGNb8	Marathi
7	Need of Analysis of pedagogy	https://youtu.be/Po9ROvNAfOc?si=Ji2FV6R2D7TJ3iNw	Marathi
8	Advanced Pedagogy	https://youtu.be/LTyCfoUTvY0?si=anqQx916G2qon0qg	Marathi

Dr. Rajendra Thigale
BED 105 Faculty
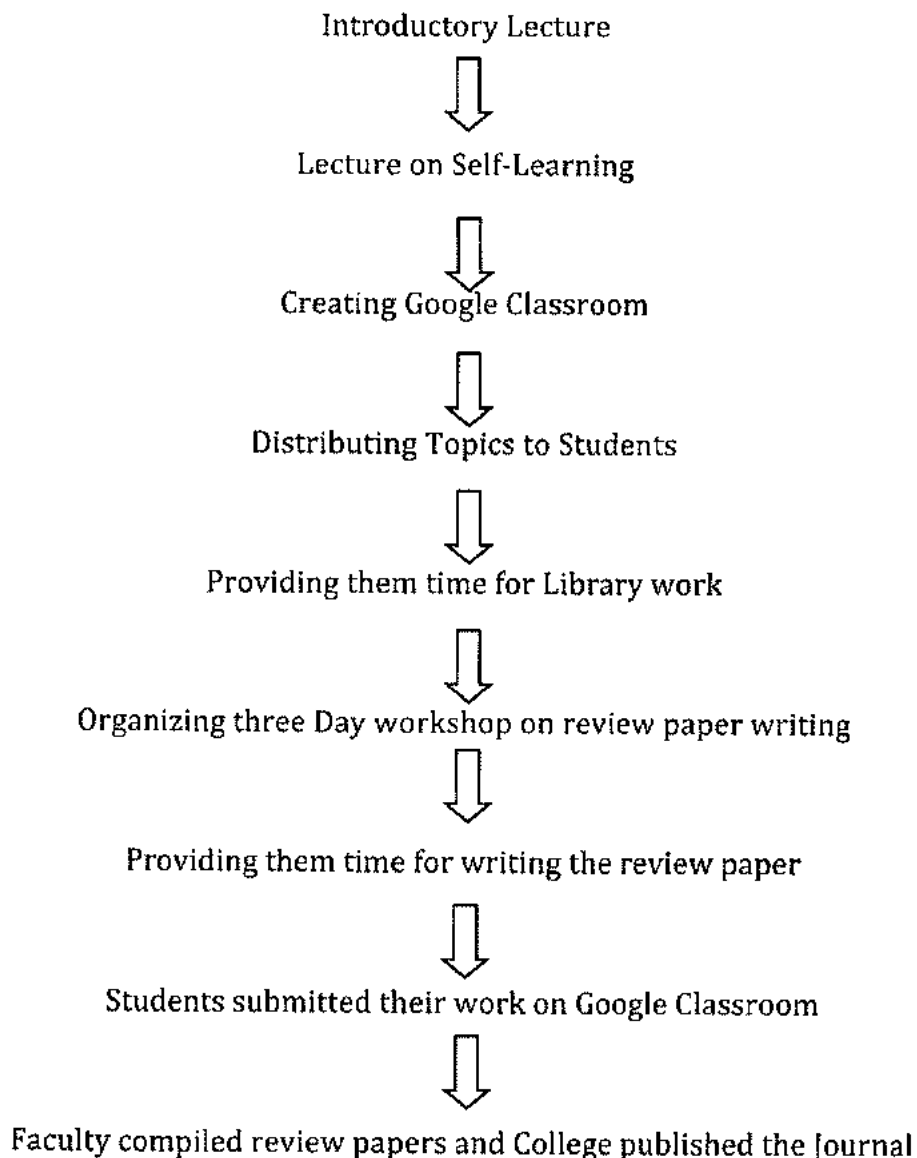Techno-Pedagogy Committee
IQAC Coordinator

Dr. Radhika Inamdar
Principal
PRINCIPAL
Tilak College of Education
Pune-411030.

TILAK COLLEGE OF EDUCATION, PUNE 30
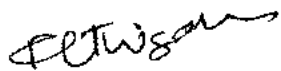
Report on Novel Idea 2022-23

During the academic year 22-23 the IQAC coordinator and Techno-pedagogy Committee decided to use the Novel idea in Tilak College of Education, that idea was related to using integrated approach to teach BED 105 Advanced pedagogy and Application of ICT, at the end of the academic year First Year B.Ed. student-teacher submitted their contribution in the form of review papers, published Journal and E-content product.

The steps of the execution of Novel idea is shown in the flow-chart

Introductory Lecture

⇩

Lecture on Self-Learning

⇩

Creating Google Classroom

⇩

Distributing Topics to Students

⇩

Providing them time for Library work

⇩

Organizing three Day workshop on review paper writing

⇩

Providing them time for writing the review paper

⇩

Students submitted their work on Google Classroom

⇩

Faculty compiled review papers and College published the Journal

In this way the College invented Novel idea, executed it in a systematic way and due to the response of student-teachers and collective efforts the college succeed to publish the review paper written by the students in the Journal: a special issue on "Advanced pedagogy and Application of ICT" Volume 2

The CDC committee, Principal inspired to undertake this project and all the staff members supported this Novel idea.

Dr. Rajendra Thigale
Techno-Pedagogy Committee
IQAC In-Charge

Dr. Radhika Inamdar
Principal

Assessment Plan

Assesment Timeline

Before project work begins		Students work on projects and complete tasks		After project work is completed	
• Knowledge • Disussion • Multipal Choice Quize	• Discussion	• Knowledge Test • Monitoring • Check list • Rating scale	Discussion on all sub points.	• Evaluation of brouchers. • PPT on Science	• Post test • Knowledge test • Checklist • Rating scale • Seminar • Presentation

Assessment Summary

TEACHER WILL USE BOTH SUMMATIVE & FORMATIVE EVALUATION FOR THE PROJECT.
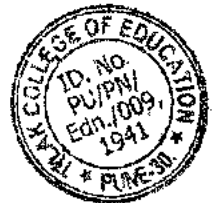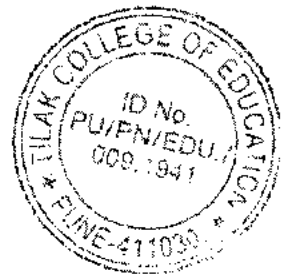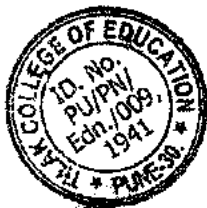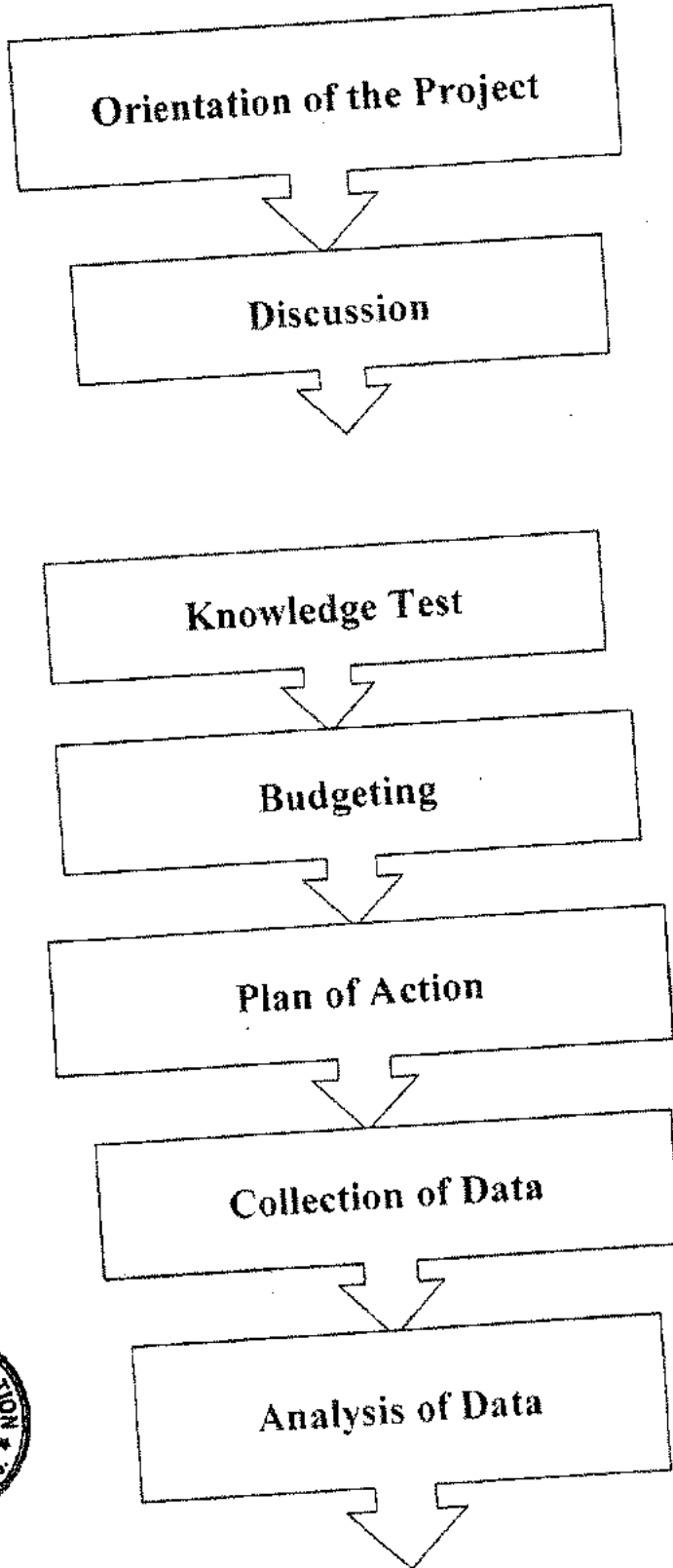
Unit DetailsU
Unit Details
Prerequisite Skills

TEACHER WILL USE BOTH SUMMATIVE & FORMATIVE EVALUATION FOR THE PROJECT.

Instructional Procedures

Introduction

```
┌─────────────────────────────────┐
│   Orientation of the Project    │
└─────────────────────────────────┘
              ↓
┌─────────────────────────────────┐
│          Discussion             │
└─────────────────────────────────┘
              ↓

┌─────────────────────────────────┐
│        Knowledge Test           │
└─────────────────────────────────┘
              ↓
┌─────────────────────────────────┐
│          Budgeting              │
└─────────────────────────────────┘
              ↓
┌─────────────────────────────────┐
│        Plan of Action           │
└─────────────────────────────────┘
              ↓
┌─────────────────────────────────┐
│       Collection of Data        │
└─────────────────────────────────┘
              ↓
┌─────────────────────────────────┐
│        Analysis of Data         │
└─────────────────────────────────┘
              ↓
```

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Presentation

</div>

Accommodations for Differentiated Instruction

Special Needs Students	• EXTRA TIME FOR STUDYING • ADJUSTED LEARNING OBJECTIVES. • MODIFIED ASSIGNMENTS. • GROUPING. • SUPPORT FROM SPECIALIST. • TALKING COMPUTERS (FOR VISUALLY IMPAIRED STUDENTS) • SPECIAL PRINTS (FOR VISUALLY IMPAIRED STUDENTS) • PREPARATION OF PRESENTATIONS (FOR HEARING IMPAIRED STUDENTS)
Nonnative Speakers	TEACHER IS BILINGUAL WHILE EXPLAINING THE CONCEPTS.
Gifted/Talented Students	• INTERVIEW • DEBATES • PROJECTS • SEMINARS / PRESENTATIONS

Materials and Resources Required For Unit

Technology – Hardware (Click boxes of all equipment needed)

☐ Camera	☐ Laser Disk	☐ VCR
☒ Computer(s)	☒ Printer	☐ Video Camera
☐ Digital Camera	☒ Projection System	☐ Video Conferencing Equip.
☐ DVD Player	☒ Scanner	☐ Other
☒ Internet Connection	☐ Television	

AFTER THE COMPLITION OF PROJECT STUDENTS WILL BE ABLE TO UNDERSTAND THE CONCEPT Of WATER POLUTION AND WORK.	
OBJECTIVES	**SPECIFICATIONS**
KNOWLEDGE	STUDENT TELLS WHAT IS WATER POLLUTION AND SOURCES OF WATER POLLUTION
COMPREHENSION	STUDENT IS ABLE TO TELL THE NEED OF STUDY CAUSES EFFECTS AND CONTROL OF WATER POLLUTION
SKILL	STUDENT IS ABLE TO SUGGEST SOLUTIONS TO CONTROL WATER POLLUTION

Curriculum-Framing Questions

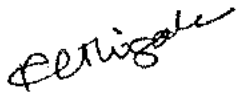| **Essential Question**	• WHY SHOULD WE STUDY WATER POLLUTION?
Unit Questions	• WHAT IS WATER POLLUTION? • WHAT ARE EFFECTS OF WATER POLLUTION? • HOW WE CAN CONTROL THE WATER POLLUTION?
Content Questions	• WHAT ARE THE TYPES OF WATER POLLUTION? • WHAT IS SURFACE WATER POLLUTION? • HOW DOES WATER POLLUTION EFFECTS TO HEALTH? • HOW OIL SPILLAGE EFFECTS THE LIFE OF MARINE ANIMALS? • HOW WE CAN CONTROL THE WATER POLLUTION?

Assessment Plan
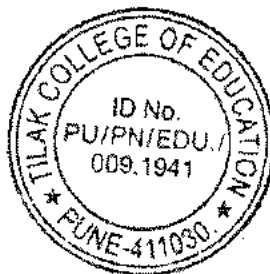
TILAK COLLEGE OF EDUCATION, PUNE 30

Report of Computer Skill Enhancement Program 2022-23

During the academic year 2022-23 IQAC has taken an initiative regarding Computer Skill Enhancement Program, especially for the use of internet effectively and cyber security, The faculties also tried to give inputs regarding AI and Machine Learning which is the hot topic in the teacher education field, for the same IQAC created Google Classroom on 10th December 2022, there are 67 participants joined this activity. The faculties shared learning material for the student-teachers. This has helped the student-teachers to get an insight regarding AI and Machine Learning.

Dr. Rajendra Thigale
IQAC Coordinator

Dr. Radhika Inamdar
Principal

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Pune-411030.

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Report on E-Content Development 2022-23

During the academic year 2022-23, the faculty decided to assign E-Content Development Project to the First-Year B. Ed. Student-teachers. This project was specifically assigned to the compulsory course BED 105 Advanced Pedagogy and Application of ICT. All the student-teachers participated in this project, the faculty organized two day workshop for the E-Content Development and at the end of the year student-teacher uploaded their content on the Google Classroom, later on the links of learning material were shared to the student-teachers for the study purpose. That was published on the blogs simultaneously; the learning material was translated into both the languages such as English and Marathi. The college decided to publish the same in E-form and to make it available on college website.

Dr. Rajendra Thigale
Techno-Pedagogy Committee

Dr. Radhika Inamdar
Principal

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Tilak College of Education
Pune-411030.

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Report on Google Classroom 2023

Hello friends,

During the academic year 2022-23 IQAC has taken initiative to provide extra inputs to our student-teachers through online learning platform such as Google classroom, under that we started following extra fields/ areas other than our regular subjects such as Innovative Teaching Methods, TAIT, SET, NET coaching, Computer Skill Enhancement, Language Skill Enhancement, Introduction to Special Lessons, TCE Research Forum, – which we could not able to teach in our regular subjects due to lack of time. The following table is containing Number of Google classrooms, their names, their links and number of beneficiaries.

Sr. No.	Name of the Classroom	Link	Number of beneficiaries
1	Innovative Teaching Methods	https://classroom.google.com/c/NTc4OTUyMTA4OTky?cjc=zfbw64y	74
2	TAIT	https://classroom.google.com/c/NTQwNDk1OTg4MTUx?cjc=5qmz4mz	91
3	SET, NET coaching	https://classroom.google.com/c/NTc3NjQ5MzcwNDY3?cjc=s6u2xm2	108
4	Computer Skill Enhancement	https://classroom.google.com/c/NTA4NTIwNDExMzc1?cjc=5gpkpu7	62
5	Language Skill Enhancement	https://classroom.google.com/c/NTc4MjUwMzU1NTcw?cjc=opc4bgs	67
6	Introduction to Special Lessons	https://classroom.google.com/c/NTA5MTk3MDMwNDgy?cjc=zmdyx2t	61
7	TCE Research forum	https://classroom.google.com/c/NTEyMjYzMjQ3NTA1?cjc=tm2v4ru	66

Dr. Rajendra Thigale
Techno-Pedagogy Committee

Dr. Radhika Inamdar
Principal

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Report on Online Social Media Training 2022-23

During the academic year 22-23, the IQAC, Social Media Department and Techno-pedagogy Committee of a college taken an initiative regarding use of social media for the learning and provided online training to the student-teachers regarding the use of Anchor podcaster and spotify. The IQAC, Social Media Department and Techno-pedagogy Committee motivate the student-teachers to use podcasting app, or YouTube for learning purpose.

Lesson No. 1

How to use Anchor podcaster or Spotify ?

1. As I have shared with you both the links either you click on any one link.

2. This link will take you to that app. Google playstore

3. Open that and install the app.

4. That will ask you to login

5. Either by mobile number or Google account or Facebook and send the verification code or OTP.

6. Verify the same and you will get the access to the app.

7. If you have any doubt or query you can WhatsApp me on my personal WhatsApp 8788117832

Good luck.

Dr Rajendra Thigale
Social Media Department
Techno- Pedagogy Committee
Tilak College of Education, Pune 30

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Tilak College of Education
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Report on Online Training of LMS 2022-23

During the academic year 22-23, the IQAC, Social Media Department and Techno-pedagogy Committee of a college took an initiative regarding the development and use of our College app for learning and provided online training to the student-teachers regarding its installation and its effective use. The IQAC, Social Media Department, and Techno-pedagogy Committee motivate the student-teachers to use LMS of our College, podcasting app, or YouTube for learning purpose. (For the faculty members)

Lesson No. 3

How to use our app?

1. Open our app.

2. You can see Dashboard (image 1)

3. Click on home

4. After clicking on the home you can see attend product training (image 2)

5. Click on the arrow on attend product training

6. After clicking on the options of languages open.

7. Choose the language of training and submit.

8. After that you can see an extension to the YouTube channel of Classplus.

9. There are many videos related to the Classplus app.

10. Watch one by one and complete your training.

11. For any queries repeat the process.

12. If you have any questions you can WhatsApp me on my personal WhatsApp 8788117832

Dr Rajendra Thigale
Social Media Department
Techno-Pedagogy Committee
Tilak College of Education, Pune 30

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Pune-411030.

Tilak College of Education

Organisation Code : pyivl

Tilak College of Education, Pune 411030

- 🏠 Home
- Benefits Club
- 📁 Free Material
- 💬 Students Testimonial **New**
- 🙏 Help a Friend **New**
- 💬 Help And Support
- Archived Batches
- 👤 Edit Profile
- SMS Recharge **New**
- 👥 App Downloads
- G+ Email to Classplus's CEO **New**
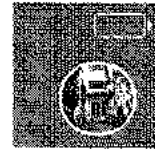
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58

Connect with Classplus

Attend product
training
→

Talk to growth
expert
→

Build your own
Test Series
→

Request a
callback
→

Grow big with your new Website!

Checkout your newly launched
website & share it with just 1-click!

OPEN WEBSITE | SHARE WEBSITE

Home | Batches | Store |

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Tilak College of Education, Pune

ICT Skill Development Program

Theme – Augmented Reality App in Education

Date -24.02.2023 **Timing** – 12:00 to 12:40 **Venue**- Room No. 12

Participants – F.Y.B.Ed. Students

**Resource Person** – Dr. Suresh G. Isave

Learning Outcomes –

* Student-teacher describes the concept of Augmented Reality.
* Student-teacher skillfully uses the features of different mobile app.
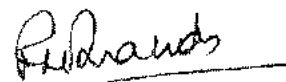* Student-teacher explains the educational uses of AR Apps.

Activity –

The resource person first discusses the concept of augmented reality with examples. Then he demonstrated the use of two AR apps i.e. *ARloopa* and *Safari Central*. Students downloaded the apps and got hands on experience. They made a fun and enjoy the photos with AR features like selfy with different animals, superheroes, live volcano, blood circulation system, solar system etc. The discussion was followed after the skillful use of the apps regarding how AR can be useful in Education. 68 students were present for the session.

(Dr. Suresh G. Isave)

Educational Technology Dept & Startup Cell
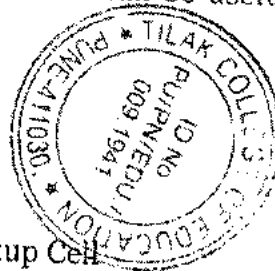
(Dr.Radhika Inamdar)
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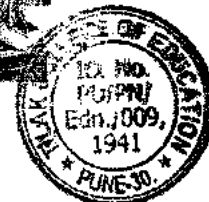
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Report of Google form Links

Set Induction Skill Re-teach https://forms.gle/ta7fSztQkXHc3CsWA

Science Quiz 2023

Entry Level Test General Science

BED 106-08 General Science

Tutorial 1.

Option form for Second Method 2023

Exit Test General Science

Option form for Second Method 2022

Entry Level Test Science

Copy of Option form for Second Method 2022

Copy of Option form for Second Method 2022

Practice Lesson Evaluation Scheme 21-22

Work shop on Application Software

Work shop on Academic Writing with the Application of Technology

Work shop on Refinement of Article with the use of Application Software

Spoken English Classroom Admission

Lesson No. 4 Evaluation

Lesson No. 3 Evaluation

Lesson No. 2 Evaluation

Lesson No. 1 Evaluation धडा क्रमांक १

Copy of Lesson No. 1 Evaluation धडा क्रमांक १

Use of e-books by B.Ed. Students

BED 105 #6 Enlist the software useful for the teachers

BED 105 Enlist the software application

Feedback form 2022

MCQ 106-08 Physics

BED 106-08 CHEMISTRY MCQ

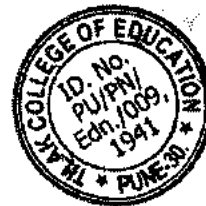BED 108 MICRO TEACHING

BED 108 BLACKBOARD WRITING (RT)

BED 108 BLACKBOARD WRITING (T)

BED 108 DEMONSTRATION (RT)

BED 108 DEMONSTRATION (T)

BED 108 QUESTIONING (RT)

BED 108 QUESTIONING (T)

BED 108 ILLUSTRATION (RT)
BED 108 ILLUSTRATION (T)
Evaluation Scheme of Set Induction
BED 108 SET INDUCTION (RT)

BED 108 ILLUSTRATION (RT)
BED 108 ILLUSTRATION (T)
Evaluation Scheme of Set Induction
BED 108 SET INDUCTION (RT)
BED 108 STIMULUS VARIATION (RT)
BED 108 STIMULUS VARIATION (T)
BED 205 MUSIC METHOD
BED 205-17 BIOLOGY PRESENTATION
BED 205-17 BIOLOGY PRACTICAL
Copy of BED 106-08 General Science
Question bank NEP2020 spreadsheet
Concept Attainment Model
RSVP
Blank Quiz
Copy of BED 205-17 BIOLOGY

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Pune-411030.

2. Practice teaching

PRACTICE TEACHING LESSON NOTE

Roll No. | 2 | 4 | 6

Name of the School : S.P.M. Public English Medium School Date : 25/11/22

Std. IX   Div. C   Time : 20 mins Subject : ICT   Lesson No. ②

Previous Knowledge of Class Students know about Ms Access 2010

Aim of the lesson To enable the students to create tables in database

Apparatus Computer Lab ✓

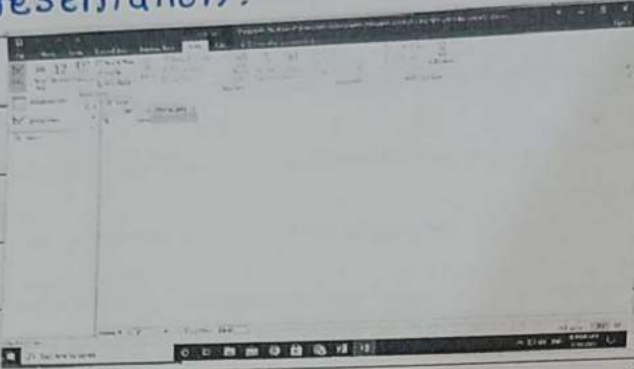| Objectives	Specifications
Knowledge & Understanding	Student tells about tables created in Ms Access 2010
Application.	Student- creates table in Ms Access 2010
Core-Elements & Values	Scientific Temper
Life Skills	Critical and logical thinking .

Matter	Method
Preparation : - DBMS - DBMS · DataBase Management System · It is an application software that is used to store, organize and retrieve data from database MS Access 2010 .	What is DBMS ? What is MS Access 2010 ? What are the different tabs on the MS Access 2010 ? What are the options available under create tab ?
Ms Access 2010 is one of the database management system There are 6 tabs. Home, Create, External data, Database tools, fields & table. There are different options under create tab e.g. table, Query from Report .	

Matter	Method
Statement of aim :- Today we are going to learn about How to create a table in Ms Access 2	
Presentation :-	
	[Teacher explains 2 views of the table.]
Datasheet View - It is used to enter data in a table.	
Design View - It is used to create structure for the table.	
Short Text Long Text Number Large Number Date/Time Date/Time Extended Currency AutoNumber Yes/No OLE Object	[Teacher explains different datatypes used in Ms Access 2010.]
Vertical are called as field and horizontals are called as Records in Ms Access.	[Teacher explains the table.] [Teacher ask one student to read from board.]

Field	Datatype	
Enrolment_No	Number	[Teacher provides titles of the field and their datatype on the board.]
Name of student	Text	
Date of birth	Date/Time	
Course	Text	
Fees Paid	Yes/No	

To save the table –

File → Save → type title
→ ok.

Recapitulation :–

Assignment :–
Create table as 'Employee'.

Field	Datatypes.
Emp_Id	Number
Name	Text
Gender	Text
City	Text
Department	Text.

[Teacher asks students to enter the field name and datatype to create the table – 'Student Record'

[Teacher explain the steps to save the table and write path on board.]

What are two different views in table in MS Access 2010 ?

How many datatypes are there in MS Access 2010 ?

[Teacher declares the assignment.]

Date: 25/11/22

MS Access 2010 — Tables.

* View types —
  ① Datasheet View
  ② Design View

* Table - 1 - 'Student Record'

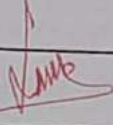| Field	Datatype
Enrolment No	Number
Name of student	Text
Date of birth	Date/Time
Course	Text
Fees Paid	Yes/No

* To save the table.
  File → Save → type
  title → OK

Signature of Teacher Educator

Remarks

– Overall lesson was good
– Teacher was well prepare

Reflection

Students of class IX C were confident while operating MS Access 2010. Students were with good knowledge of database.
It was a good experience with students in computer lab.

Evaluation Key of a Lab lesson of ICT Method

Rating Scale 1) Unsatisfactory   2) Average   3) Satisfactory   4) Good   5) Excellent

Sr. No.	Steps	No.	Criterion	1	2	3	4	5
1	Lesson Note	1	Lesson Note- completeness & neatness					✓
2	Preparation	2	Instructions about Lab management					✓
		3	Statement of aim				✓	
3	Presentation	4	Software operation skills					✓
	Teacher's	5	Explanation of the steps/path of the task					✓
	Demo	6	Use of ICT terminology				✓	
		7	Handling of queries					✓
	Student's	8	Observation of each terminal					✓
	work on the	9	Solving queries of students					✓
	Task	10	Common instructions from time to time					✓
		11	Personal instructions as per need				✓	
		12	Encouragement for self learning					✓
		13	Preciseness & level of questioning				✓	
3	Evaluation	14	Students' responses to oral questions					✓
		15	Quality of the end product of students				✓	
4	Assignment	16	Relevance					✓
5	Overall	17	Class–Management				✓	
	Impression	18	Appearance					✓
		19	Mastery on Content					✓
		20	Confidence					✓
			Total Marks out of 100				94	

Qualitative Remarks –

Date : 25/11/22

Signature of the Observer

3. Internship

BLOCK TEACHING LESSON NOTE

Roll No. | 2 | 4 | 6

Name of the School : S.P.M. Public English Medium School Date : 7/2/23

Std. VI Div. A Time : 35 mins Subject : Science Lesson No. 02

Previous Knowledge of Class Students know about luminous & non-luminous

Aim of the lesson To learn about transparent, Tanslucent & Opaque material

Apparatus & Teaching Aids Plastic glass, water, torch, cloth piece, butter papee.

Objectives	Specifications
knowledge.	Student defines Transparent, Translucent and Opaque materials.
Understanding	Student defines /enlists examples of the materials.
Application	Student solves match the following.
Core-Elements & Values	Scientific Tempee.
ife Skills	Critical Thinking.

Matter	Method
Introduction — luminous object - are the objects that emit light of their own.	[Tε. asks about objects.]
	1. What do you mean by Luminous objects and Non-luminous ?
Non-luminous object - are the objects that do not have light of their own.	
* Statement of Aim - So, Today we are going to learn about types of materials.	

Matter	Method
Types of Materials on which light falls -	[Te. demonstrates an activity.]
Activity 1: Take Observation - light passes through the glass and water. It is clearly visible.	[Te. takes an activity with glass filled with water.] What do you observe?
Transparent Material: - Material that allow most of the light to pass through them are called transparent materials.	[TE explains more about Transparent material.]
Eg. Glass, Air, Water, lens. etc.	[TE. gives example of transparent objects. [TE. shows pictures to the students.]

Light Energy

- Light energy uses waves to travel through space. Sources of light can be a light bulb, a fire, the sun, a candle, or a flashlight.

Glass

Plastic

Bulb

Transparent Objects

Ice

Window

MPS

Matter	Method
Observation - Only a part of light i.e. partial light passes through the material.	[Te. demonstrates an activity.]
Translucent Materials - materials that allow only a part of the light to pass through them are translucent	[Te. explains about Translucent material.]
	[Te. shows pictures of the objects under translucent material.]

Translucent Objects — Butter Paper, Color Plastic, Oil, Tissue, Glasses, Oiled
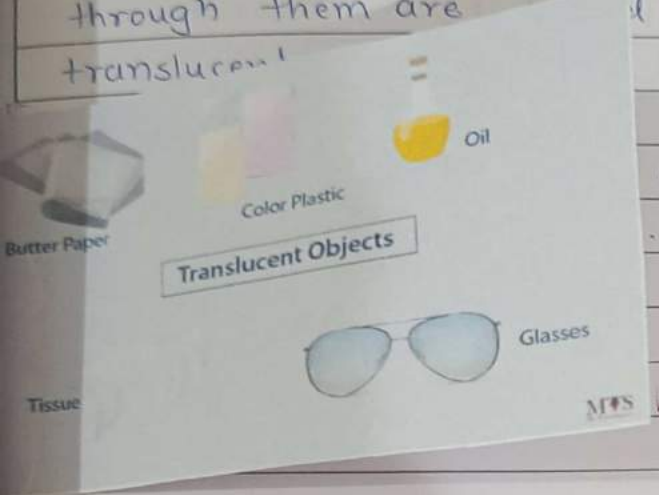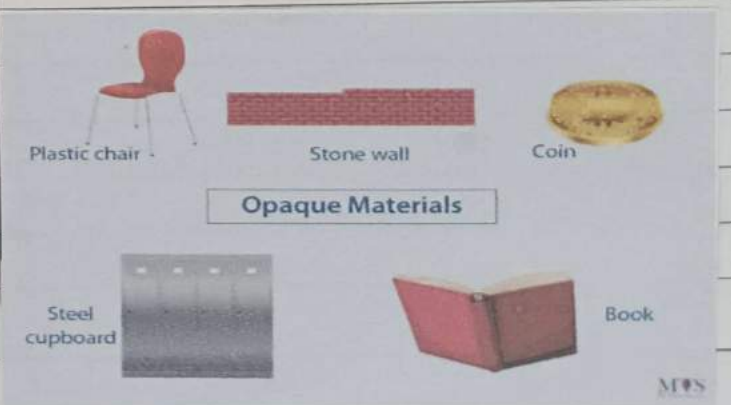
Matter	Method
Observation - No light passes through the material at all.	[Te. demonstrates one more activity.]
Opaque Materials - materials that do not allow the light to pass through them, the light is almost absorbed or reflected are called as Opaque materials.	[Te. explains about opaque materials and give some examples.]
Example :- Book, Clothes.	

Opaque Materials — Plastic chair, Stone wall, Coin, Steel cupboard, Book

Matter	Method
Recapitulation -	① What are the three types of materials ?
	② What is transparent & translucent material ?
	③ What are opaque material?
Application -	Give examples of
1) Transparent -	transparent, translucent
2) Translucent -	and opaque materials.
3) Opaque -	
Assignment -	
Find out the examples in your surrounding for these materials .	

| TRANSPARENT | TRANSLUCENT | OPAQUE |

Use of educ... , images etc.

BLACK - BOARD WORK

Date : 07/00/23

Std. VI   Div. A

Subject - Science
Topic - light.

① Transparent Material-   → Allows light to pass through
   e.g. Glass, Air, Water, lens

② Translucent Material-   → Allows partial light to pass
   e.g. Butter paper, Oiled paper   through.
     Clouds, Plastics.

③ Opaque Material-   → No light passes through the
   e.g. Book, Brick, Clothes.   material.

Signature of guide **Vijayalaxmi**

Remarks

Explaination was appropriate.
proper teaching aids was used.
excellent lesson,

Reflection

After the first period in the class VI the bonding
between me and the students was good. We have
formed a good rapot among us. To demonstrate
different types of materials to them was fun and
we have enjoyed it a lot.

Activity 1 : Block Teaching : Evaluation Scheme

Rating Scale / पडताळणी श्रेणी

| 1 Unsatisfactory / असमाधानकारक | 2 Average / बरा | 3 Satisfactory / समाधानकारक | 4 Good / चांगला | 5 Excellent / उत्कृष्ट |

Rating Scale / पडताळणी श्रेणी	Criteria	1	2	3	4
1) Lesson Note- / पाठटाचण	1) Neat, correct & complete / नीटनेटके, अचूक आणि परिपूर्ण				✓
2) Introduction / प्रस्तावना	2) Relevant and Stimulating / सुसंगत व प्रेरणादायी				
	3) Revival of previous knowledge and linking with the topic / पूर्वज्ञान जागृती व पाठ्यांशाशी योग्य सांगड				✓
3) Presentation / विषय विवेचन	4) Statement of Aim and Title writing / हेतुकथन आणि शीर्षक लेखन				
	5) Clarity and Fluency in Explanation/Narration / स्पष्टीकरण/कथनातील स्पष्टता व ओघ				
	6) Questions - Clear, concise and grammatically correct interrogative tone. / प्रश्न – प्रश्नार्थक उच्चारासह सुस्पष्ट, संक्षिप्त आणि व्याकरणदृष्ट्या अचूक				
	7) Logical and thought provoking questions - / तर्कशुद्ध आणि विचार प्रवर्तक प्रश्न				✓
	8) Distribution of questions and Reinforcement / प्रश्नांचे वितरण आणि प्रबलन				
	9) Black Board Work / फलक कार्य				
	10) Clarity in Reading/Demonstration / वाचनातील स्पष्टता/दिग्दर्शन कौशल्यातील सहजता				✓
	11) Explanation : Use of Examples / स्पष्टीकरण – उदाहरणांचा वापर				
	12) Mastery over the content / आशयावरील प्रभुत्व				✓
	13) Use of Teaching Aids/Use of ICT component / शैक्षणिक साधनांचा वापर/माहिती संप्रेषण घटकांचा वापर				
4) Recapitulation / संकलन	14) Student Participation / विद्यार्थी सहभाग				
	15) Teacher's Preparedness / शिक्षकांची तत्परता				
5) Application / उपयोजन	16) Classroom management and Time Management / वर्ग व्यवस्थापन आणि वेळ व्यवस्थापन				✓
6) Home Work / गृहपाठ	17) Recapitulation as per objsectives / उद्दिष्टांनुसार संकलन				
	18) Application - Use of evaluation Tools : MCQ, Matching item, GD, Project, Quiz, Puzzle etc. / मूल्यमापन तंत्राचे उपयोग, बहुपर्यायी प्रश्न, जोड्या लावा, गट चर्चा, प्रकल्प, कोडी इ.				
	19) Homework - Appropriate / Activity based / योग्य व कृतीयुक्त गृहपाठ				
	20) Educational implications & Overall Impression (Effectiveness of Teaching) / शैक्षणिक उपयुक्तता व एकंदरीत प्रभाव (अध्यापनाची परिणामकारकता)				
	Total Marks out of 100/ एकूण गुण १०० पैकी	94			

Sign. of Teacher: vijayalaxmi
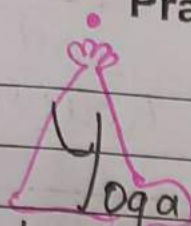
Date : 7/2/23

Date :

4. Out of class room activities

Yoga is a Practice that connects the body, breath & mind.
It uses physical Postures
Breathing Exercises
Meditation
To improve Overall health.

Yoga was developed as a spiritual practice thousands of years ago.

Today, most Westerners who do yoga do it for exercise or to reduce stress.

Regular yoga Practice may reduce levels of stress and body-wide inflammation, contributing to healthier hearts.

INTRODUCTION AND OBJECTIVES

Psychologically →

- Elevate Mood
- Improve concentration, attention & memory
- Lower Stress
- Decrease Depression & anxiety
  Improve Self-acceptance

PHYSICALLY →

- lower Blood Pressure
- Improve cardiovascular & respirato efficiency
- Normalizes gastro-functions
- Enhance Flexibility
- Improve gesture & Balance
- Increase Energy

Biochemically

- Decreases glucose & Sodium
- Lowers LDL, VLDL cholestrol levels
- Improve thyroxin levels
- Raise lymphocyte & hemoglobin

MIND BODY YOGA

(Crown)
→ Sahasrara-Chakra

→ Ajna Chakra (Thirdeye)

- Better Sleep
- Improves outlook on life
- Stress Relief
- Improves focus & Alertness
- Increases happiness
- Enhances Relationship
- Helps to focus on Present

(Throat)
→ Vishuddha - Chakra

(Heart)
→ Anahata - chakra

(Solarplexus)
→ Manipura Chakra

(Sacral)
→ Svadhistana Chakra

→ Muladhara - chakra
(Root)
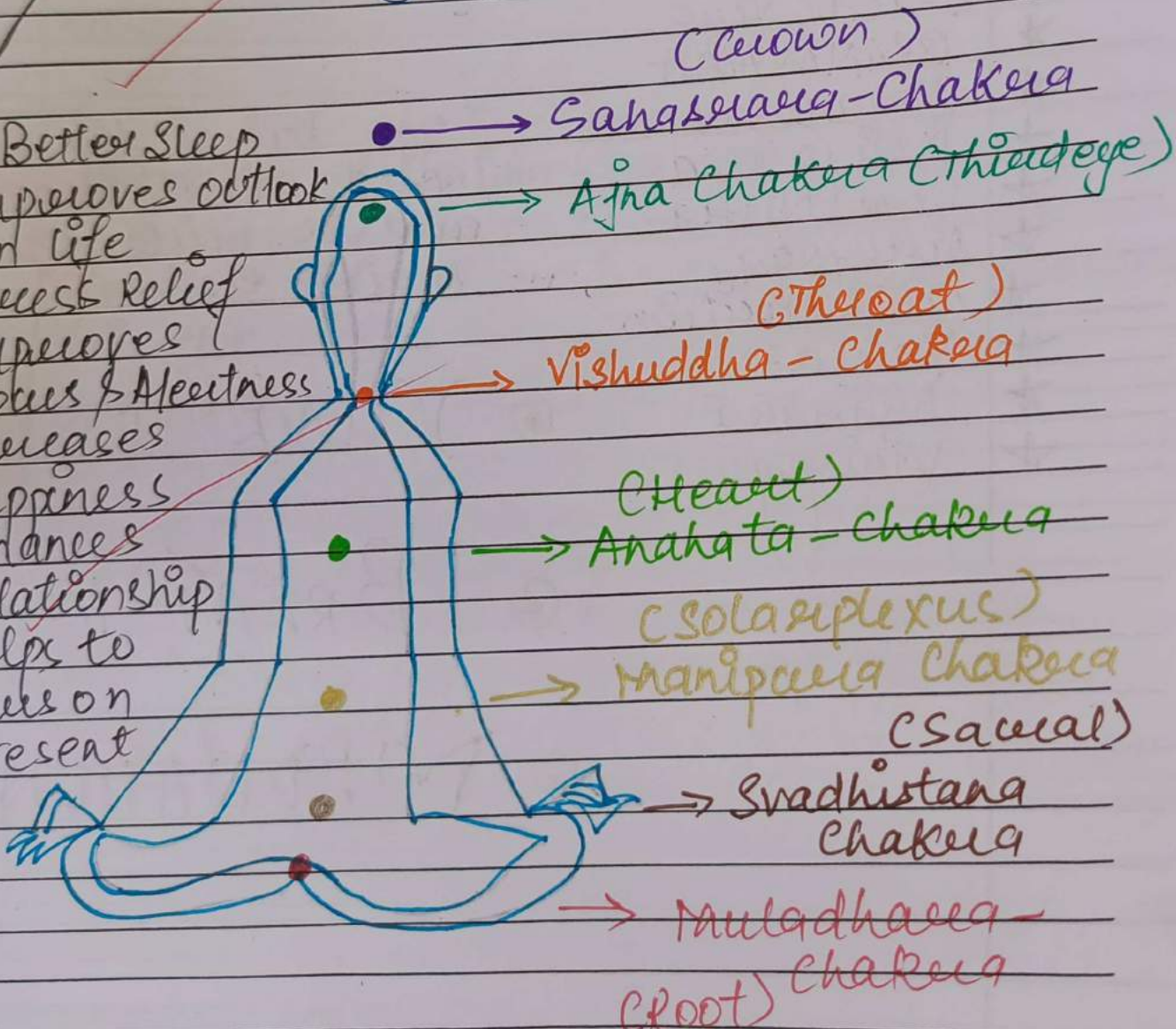
1. Improves Children's Quality of Sleep

A good night's sleep allows the body to be healthy and energetic for the next day. Children can therefore focus better in class as well as play more actively.
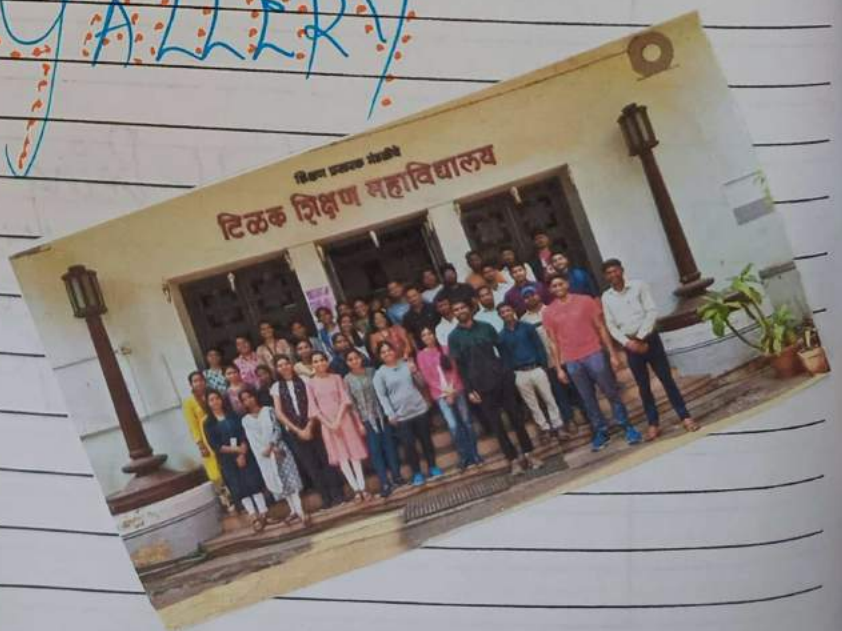
2. Boosts SELF-ESTEEM & RESILIENCE

With Yoga, Children learn to adapt their emotions & behaviour in response to internal cues as well as the external environment.

PICTURE

GALLERY

Tilak College of Education, Pune

ICT Skill Workshop - Augmented Reality App

Date : 24.05.2022 Time – 12.00-1:00

Venue – Classroom no 12.

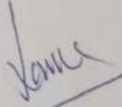**Resource Person:** Dr. Suresh G. Isave

Learning Outcomes:

- Student teachers will be able to
- Explain the concept of ICT Skill
- Apply the ICT Skills in Education
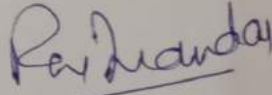- Explain the concept of Augmented Reality App
- Use the AR Apps in Education

Activity:

The resource person introduced the concept and application of ICT Skills. Then he described the concept of Augmented Reality. The demonstration of AR App - Alroopa was given to the participants. Later participants downloaded the app and experienced the Augmented reality in the classroom. The participants enjoyed the fun and excitement. They are encouraged to search other AR apps and the use of AR technology was discussed. About 30 students participated in the workshop.

(Dr. Suresh G. Isave)   (Dr. Radhika Inamdar)

Workshop Coordinator   **Principal**

PRINCIPAL
Tilak College of Education
Pune-411030.