



WMO ARTS & SCIENCE COLLEGE

"education and some more"

Affiliated to University of Calicut

(Aided by Govt. of Kerala)

P.O. MUTTIL, WAYANAD, KERALA - 673122

Phone : 04936-203382 (Office)

04936-207532 (Principal)

e-mail : wmocollege@gmail.com

website: WWW.wmocollege.ac.in

CRITERIA-II

TEACHING-LEARNING AND EVALUATION

2.3.2 - Teachers use ICT enabled tools for effective teaching leaning process



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Teachers use ICT enabled tools for effective teaching learning process

An ICT system is a set-up consisting of hardware, software, data and the people who use them.

The institute has adequate number of ICT enabled class rooms, seminar halls, and conference rooms. Teachers use various ICT tools such online education resources, social networking sites, blended learning platforms like google classroom to effectively deliver teaching and provide enhanced learning experience to the students.

On Students part, they can access the detailed notes, content and free books through various online platforms like ugcmoocs.inflibnet.ac.in, epgp.inflibnet.ac.in, swayamprabha.gov.in, youtube.com, etc

There are various ICT tools such as Smart Board, Projectors , webcam, digital camera, speakers, headphone, writing pads, Desktops and laptops, Mobile Phone, Ipads, Ipods, Pendrive, Microphones, webboards, scanners, Tablets, public speaking system each with its own features are used by various departments of the college. Some ICT tools can be used for only providing the content of a particular subject, while others can be used for evaluating the students' understanding of the topic.

Various software tools such as Google classrooms, Teach mint, Google meet, Zoom, Spreadsheet, MS word, Power point , Scilab, Mathlab, LTSpice ,You tube , Telegram, WhatsApp, email, tele conference, Active presenter, PowerPoint, Virtual Labs and Simulations and various offline compilers for Android like ideone, CPPDroid – C/C++ IDE Android, TurboCdroid, AIDE, QPython 3L, Jvdroid , are used to explain concepts and theory.



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ICT ENABLED TOOLS

1. Smart Class Rooms

Number of Smart Class Rooms: 13

Number of ICT enabled Seminar / Conference Hall: 3

2. Learning Management System (LMS)

- a. Google Class Room
- b. Teachmint

3. Video Conferencing Tools Used

- a. Google Meet
- b. Zoom
- c. Youtube Streaming

4. Communication Tools

- a. Gmail
- b. Whatsapp Groups
- c. Telegram Channel
- d. Spotify
- e. Youtube

5. E Learning Recourses Recommended

- a. NPTEL
- b. Swayam
- c. INFLIBNET
- d. e-PG Pathshala
- e. Hyper Physics
- f. MIT Open CourseWare
- g. IITB Spoken Tutorial
- h. Virtual Labs

6. Evaluation and Assessment Tools Used

- a. Kahoot
- b. Quizzis
- c. Google Form

7. Presentation Tools

- a. Powerpoint
- b. Google Slides
- c. Active Presenter
- d. Canva



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e. Jam Board

8. Other Software

a. OBS Studio

b. Open shot

9. Simulation Tools

a. Proteus

b. LT Spice

c. Tinker Cad

d. KiCad



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SMART CLASS ROOMS





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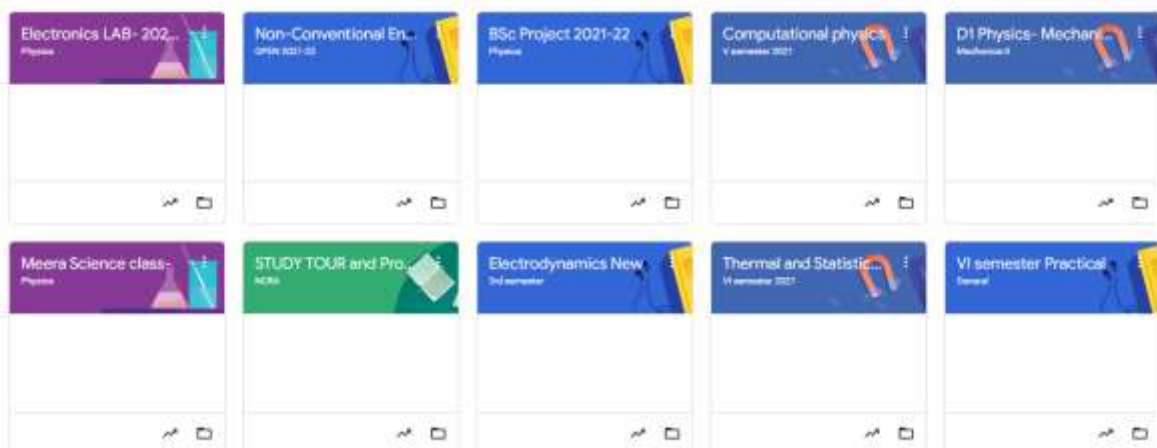
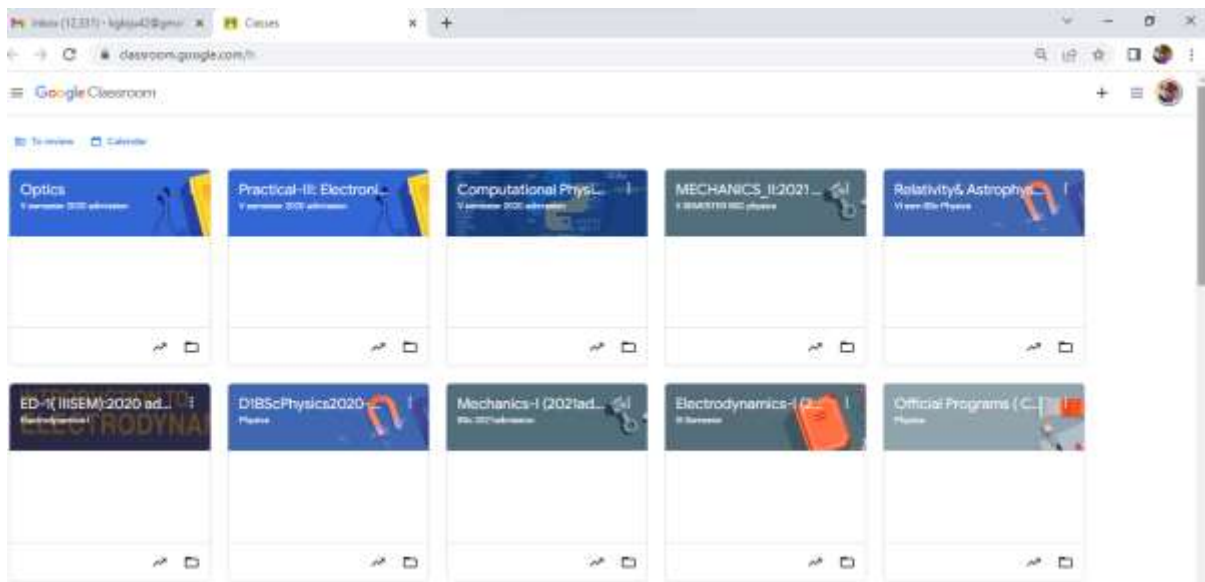
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LERANING MANAGEMENT SYSTEM





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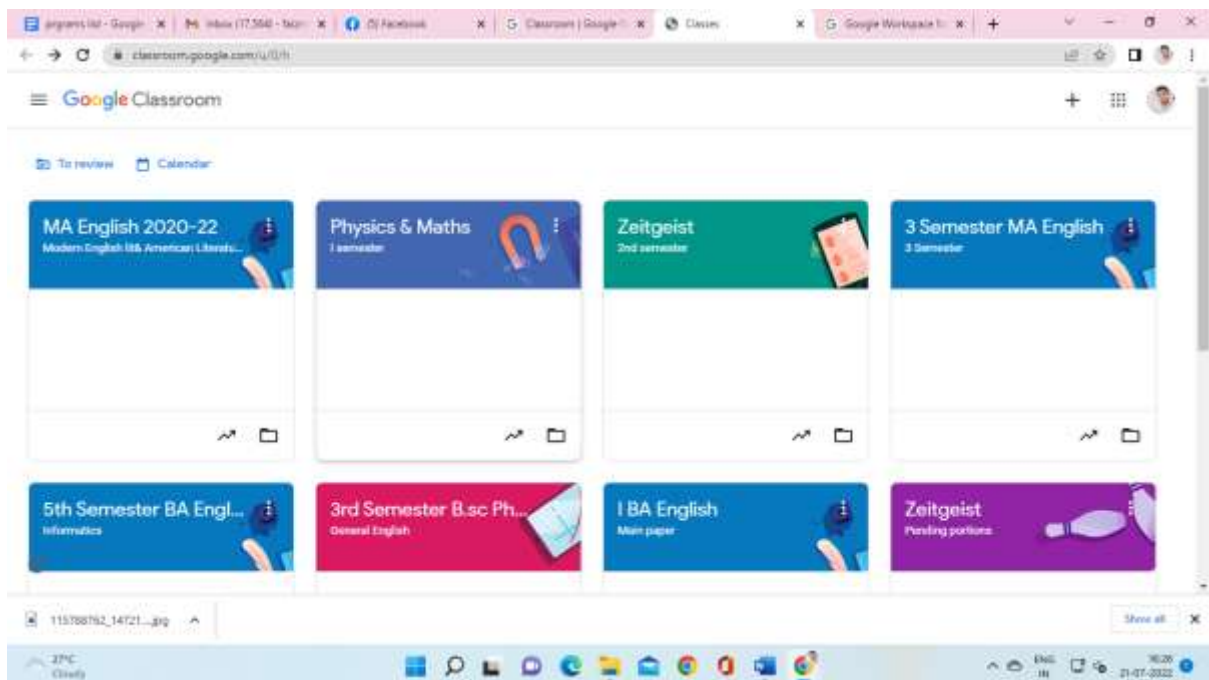
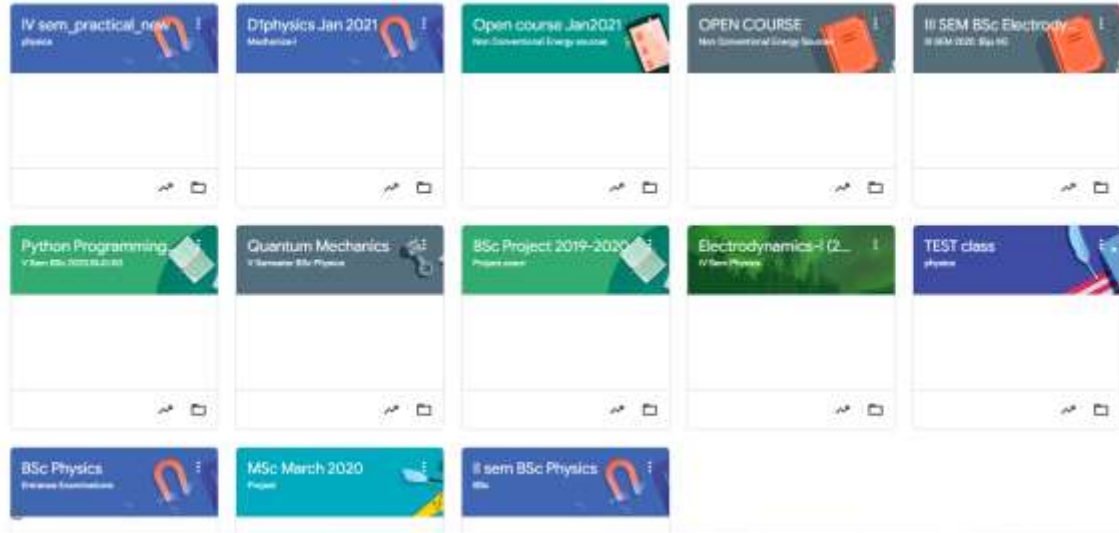
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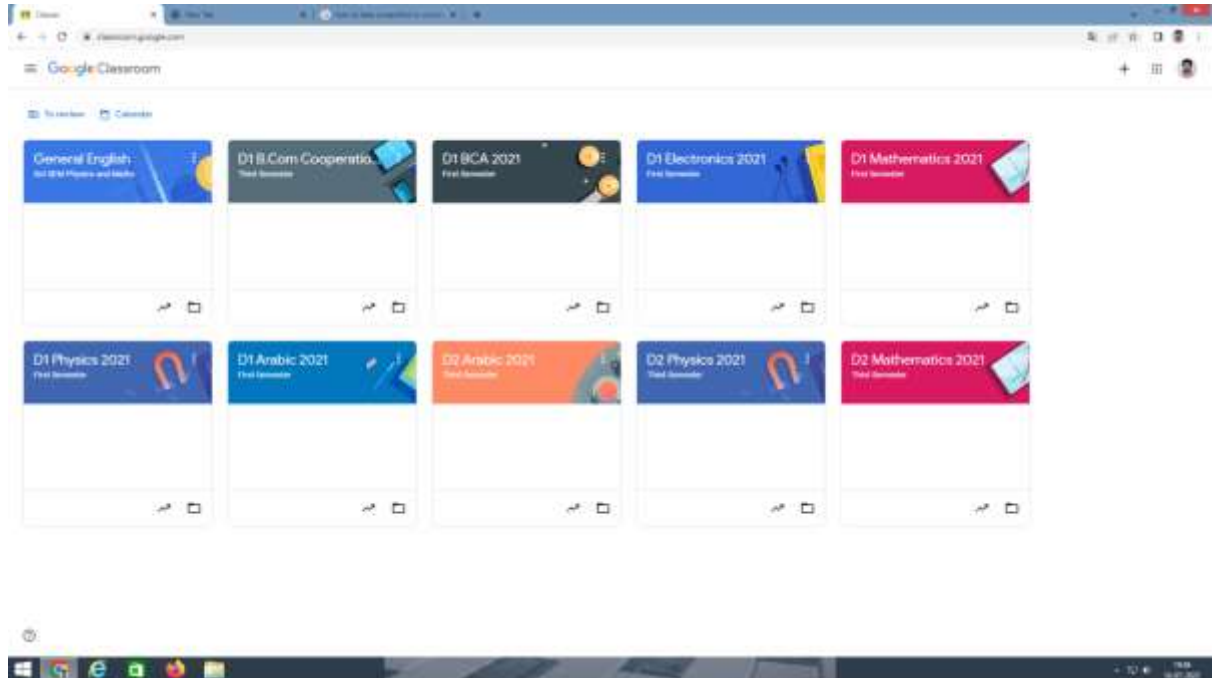
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VIDEO CONFERENCING TOOLS

1. Dr. Faiz Abdulla. K

- First MA English,

Total number of students 12

Topic : Moby Dick

Meeting link -<https://meet.google.com/rhq-cqsb-fej>

- First MA English class,

Topic. Emperor Jones

Total number of participants 12

Meeting link <https://meet.google.com/oni-bgde-eoq>

- 2nd MA English

Total number of participants 20

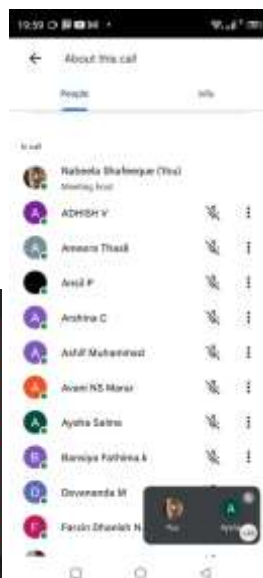
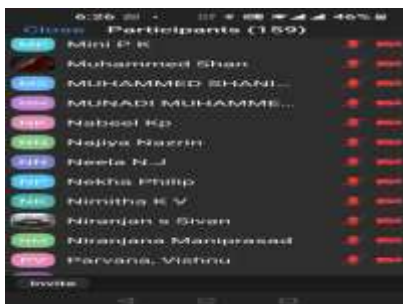
Meeting Link <https://meet.google.com/rhq-cqsb-fej>

2. Ms. Nabeela T A

BA Economics -3rd semester

Number of Students participated

Meeting link -<https://meet.google.com/bhm-pifn-ooj>



3 . Ms. Amurtha

- Class 5TH Semester BA English

<https://meet.google.com/rzn-aexq-kxo>

No of Students participated - 48



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- Class 5 Sem BA English , Open Course

<https://meet.google.com/jbt-oahb-tnu>

No of students Participated- 49

- Class 1 Sem B Com CA

<https://meet.google.com/kku-ettj-kdj>

No of students Participated- 51

- Class 5 Sem BA English

<https://meet.google.com/chv-mhdp-fcb>

No of students participated - 50



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E-CONTENTS

1. Name of the teacher : Thahira T A

Subject code : MTS6B13

Subject name : Differential equations

Topic : Second order linear differential equations

Link :

https://youtube.com/playlist?list=PLFIx_tH2oCmei8ADB18if6JU7jYWxhmIR

0. Name of the teacher : Thahira T A

Subject code : MTS4B04

Subject name : Linear Algebra

Topic : Linear mappings and vector spaces

Link :

https://youtube.com/playlist?list=PLFIx_tH2oCmc18ackviRHTOGHQH2phm17

0. Name of the teacher : Thahira T A

Subject code : MTS1B01

Subject name : Basic Logic and Number Theory

Topic : Multiplicative functions

Link :

https://youtube.com/playlist?list=PLFIx_tH2oCmdRBw6JkY6sANS2xmDvuWMa

0. Name of the teacher : Thahira T A

Subject code : MTS6B11

Subject name : Complex Analysis

Topic : Complex integration

Link :

https://youtube.com/playlist?list=PLFIx_tH2oCmd3eQ5ro9hJAMepikg5eI9W

0. Name of the teacher : Thahira T A

Subject code : MTS6B13

Subject name : Differential equations

Topic : First order differential equations

Link :

https://youtube.com/playlist?list=PLFIx_tH2oCmd01pmEERTpIKHdFEW-J-vs

0. Name of the teacher : Thahira T A

Subject code : MTS6B12

Subject name : Calculus of multi- variable



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Topic : Vector Calculus

Link :

https://youtube.com/playlist?list=PLFIx_tH2oCmcb_QitlQfZSFu0yX-ETD5Y

0. Name of the teacher : Thahira T A
Subject code : MTS6B12
Subject name : Calculus of multivariable
Topic : Calculus of multivariable functions

Link :

https://youtube.com/playlist?list=PLFIx_tH2oCmdQ9Em5MFdCgDvsDiJkDjqm

0. Name of the teacher : Thahira T A
Subject code : MTS6B12
Subject name : Calculus of multi -variable
Topic : Vector integration

Link :

https://youtube.com/playlist?list=PLFIx_tH2oCmde3NZqBGHhYnPL79yKxnOs

0. Name of the teacher : Dr. Viji Paul
Subject code : MTS4B04
Subject name : Linear Algebra
Topic : Eigen values
Link : <https://youtu.be/Ofa0F8MRiWg>

https://youtu.be/zYLkvS_ju5g

0. Name of the teacher : Dr. Viji Paul
Subject code : MTS4B04
Subject name : Linear Algebra
Topic : Diagonalization of a matrix
Link : <https://youtu.be/6VtHbWHdvaE>
0. Name of the teacher : Dr. Viji Paul
Subject code : MTS4B04
Subject name : Linear Algebra
Topic : Power of a matrix
Link : <https://youtu.be/uFUOVO0MkVI>
0. Name of the teacher : Dr. Viji Paul
Subject code : MTS2B02
Subject name : Calculus of single variable -1



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-
- Topic : The fundamental theorem of calculus
Link : <https://youtu.be/Nf4uR7OEDmk>
0. Name of the teacher : Dr. Viji Paul
Subject code : MTS4B04
Subject name : Linear Algebra
Topic : Inner product spaces
Link : https://youtu.be/_-veF3abGX0
0. Name of the teacher : Dr. Viji Paul
Subject code : MTS4B04
Subject name : Linear Algebra
Topic : Angle and orthogonality in inner product spaces
Link : <https://youtu.be/tv19wA2WrpA>
0. Name of the teacher : Dr. Viji Paul
Subject code : MTS4B04
Subject name : Linear Algebra
Topic : Orthogonal Diagonalization
Link : <https://youtu.be/C6UdZmtpb64>
0. Name of the teacher : Dr. Viji Paul
Subject code : MTS5B09
Subject name : Theory of equations
Topic : Introduction to Geometry and Theory of equations
Link : <https://youtu.be/PUPOcHbHPM8>
0. Name of the teacher : Dr. Viji Paul
Subject code : MTS5B05
Subject name : Abstract Algebra
Topic : Group theory
Link : <https://youtu.be/gKZWanzwTZ0>
- <https://youtu.be/VjmGJax7pts>
0. Name of the teacher : Dr. Viji Paul
Subject code : MTS5B05
Subject name : Abstract Algebra
Topic : Fundamental theorem of algebra and complex roots
Link : <https://youtu.be/kSaHdC7qrP4>
0. Name of the teacher : Dr. Viji Paul
Subject code : MTS5B09
Subject name : Introduction to Geometry and Theory of equation
Topic : Introduction to Geometry
Link : <https://youtu.be/qnwUXXoteeg>
0. Name of the teacher : Dr. Viji Paul



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-
- Subject code : MTS6B10
Subject name : Real Analysis
Topic : Uniform convergence of sequence of functions
Link : <https://youtu.be/NE5-f7TOnL0>
0. Name of the teacher : Dr. Viji Paul
Subject code : MTS4B04
Subject name : Linear Algebra
Topic : Elementary operations and inverse of a matrix
Link : <https://youtu.be/nqj2thbMuBE>
0. Name of the teacher : Santhoshkumar C G
Subject code : MTS6B10
Subject name : Real Analysis
Topic : Cauchy convergence criterion for sequences
Link : https://youtu.be/O8I3Z_2nUTI
0. Name of the teacher : Santhoshkumar C G
Subject code : MTS6B10
Subject name : Real Analysis
Topic : Contractive sequences of real numbers
Link : <https://youtu.be/yI0QSmOEWng>
0. Name of the teacher : Santhoshkumar C G
Subject code : MTS3B03
Subject name : Calculus of single variable2
Topic : Quadric surfaces
Link : <https://youtu.be/7IP4jyqpR1Y>
0. Name of the teacher : Santhoshkumar C G
Subject code : MTS6B10
Subject name : Real Analysis
Topic : An introduction to properly divergent sequences
Link : <https://youtu.be/JS1Wr9Kqa1Q>
0. Name of the teacher : Santhoshkumar C G
Subject code : MTS6B10
Subject name : Real Analysis
Topic : Limits involving the point at infinity
Link : <https://youtu.be/n879kgQwsQg>
0. Name of the teacher : Santhoshkumar C G
Subject code : MTS6B11
Subject name : Complex Analysis
Topic : Zeros and poles
Link : <https://youtu.be/9BJNchICJZE>



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-
0. Name of the teacher : Santhoshkumar C G
Subject code : MTS4B04
Subject name : Linear Algebra
Topic : Wronskian and linear independence of functions
Link : <https://youtu.be/xW0iC0icWIw>
 0. Name of the teacher : Santhoshkumar C G
Subject code : MTS4B04
Subject name : Linear Algebra
Topic : Basis for a vector space
Link : <https://youtu.be/Ge3CHa-lA6c>
 0. Name of the teacher : Santhoshkumar C G
Subject code : MTS2B02
Subject name : Calculus of single variable 1
Topic : Drawing of graphs using Calculus
Link : https://youtu.be/4DulZ_sPCqw
 0. Name of the teacher : Santhoshkumar C G
Subject code : MTS4B04
Subject name : Linear Algebra
Topic : Properties of basis for a vector space
Link : <https://youtu.be/amMxk7ds6pc>
 0. Name of the teacher : Santhoshkumar C G
Subject code : MTS4B04
Subject name : Linear Algebra
Topic : Coordinates of a vector related to a basis
Link : <https://youtu.be/9WsF-gxAMgw>
 0. Name of the teacher : Santhoshkumar C G
Subject code : MTS4B04
Subject name : Linear Algebra
Topic : Change of basis
Link : <https://youtu.be/y4zIEwMTHTs>
 0. Name of the teacher : Santhoshkumar C G
Subject code : MTS4B04
Subject name : Linear Algebra
Topic : Invertibility of transition matrices
Link : <https://youtu.be/ovWQy7LP90E>
 0. Name of the teacher : Santhoshkumar C G
Subject code : MTS4B04
Subject name : Linear Algebra
Topic : Row space, column space and null space of a vector space



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- Link : <https://youtu.be/3unxfzhSaZQ>
0. Name of the teacher : Santhoshkumar C G
Subject code : MTS4B04
Subject name : Linear Algebra
Topic : Rank and nullity of a matrix
Link : <https://youtu.be/CTAOXYmr5K4>
0. Name of the teacher : Santhoshkumar C G
Subject code : MTS3B03
Subject name : Calculus of single variable 2
Topic : Improper integrals
Link : <https://youtu.be/BrdOlks-oI>
0. Name of the teacher : Santhoshkumar C G
Subject code : MTS4B04
Subject name : Linear Algebra
Topic : Basic matrix transformations
Link : <https://youtu.be/UJN6v98IUGw>
0. Name of the teacher : Santhoshkumar C G
Subject code : MTS5B07
Subject name : Numerical Analysis
Topic : Limit of functions and the Newton's method to find a root
Link : <https://youtu.be/tnaNcT1BI00>
0. Name of the teacher : Santhoshkumar C G
Subject code : MTS5B07
Subject name : Numerical Analysis
Topic : Numerical integration
Link : https://youtu.be/_4GY3zOCHyA
0. Name of the teacher : Santhoshkumar C G
Subject code : MTS6B11
Subject name : Complex Analysis
Topic : Rouche's theorem and evaluation of Fourier integrals
Link : <https://youtu.be/Lu6T61vQTVI>
0. Name of the teacher : Aswini Viswajith
Subject code : MTS6B12
Subject name : Calculus of multi- variable
Topic : Parametric curves
Link : <https://youtu.be/4atJt5511ms>



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0. Name of the teacher : Thahira T A
Subject code : MTS6B13
Subject name : Differential equations
Topic : Laplace transforms

Link :

https://youtube.com/playlist?list=PLFIx_tH2oCmfwcAlQIcz-No-ruHjG3bF