

# GOVERNMENT DEGREE COLLEGE FOR WOMEN, NALGONDA

## Department of Physics

### BEST PRACTICES

#### USE OF ICT TOOLS IN TEACHING

Department faculty has left no stone unturned in usage of ICT in teaching. Every member of the department is well trained in ICT tools. The crisis of COVID-19 has opened up new trends in teaching and learning process.

**ONLINE CLASSES:** During Carona pandemic lockdowns teaching and learnings are continued through online classes using ZOOM, GOOGLE MEET platforms.

#### Details of ICT enabled education

##### I. Abstract of recorded video lessons on YouTube

S. No.	Name of the Faculty	No. of videos
1	CH. Bixmaiah	19
2	Y. Sreedhar Reddy	40
3	Rekha Venkateswarlu	78
4	Ch. Aruna	30
5	M. Sudharshan Reddy	25

##### II. Abstract of PPT presentations

S. No.	Name of the Faculty	No. of PPTS	Total No of Slides
1	CH. Bixmaiah	14	273
2	Y. Sreedhar Reddy	39	1000
3	Rekha Venkateswarlu	18	384

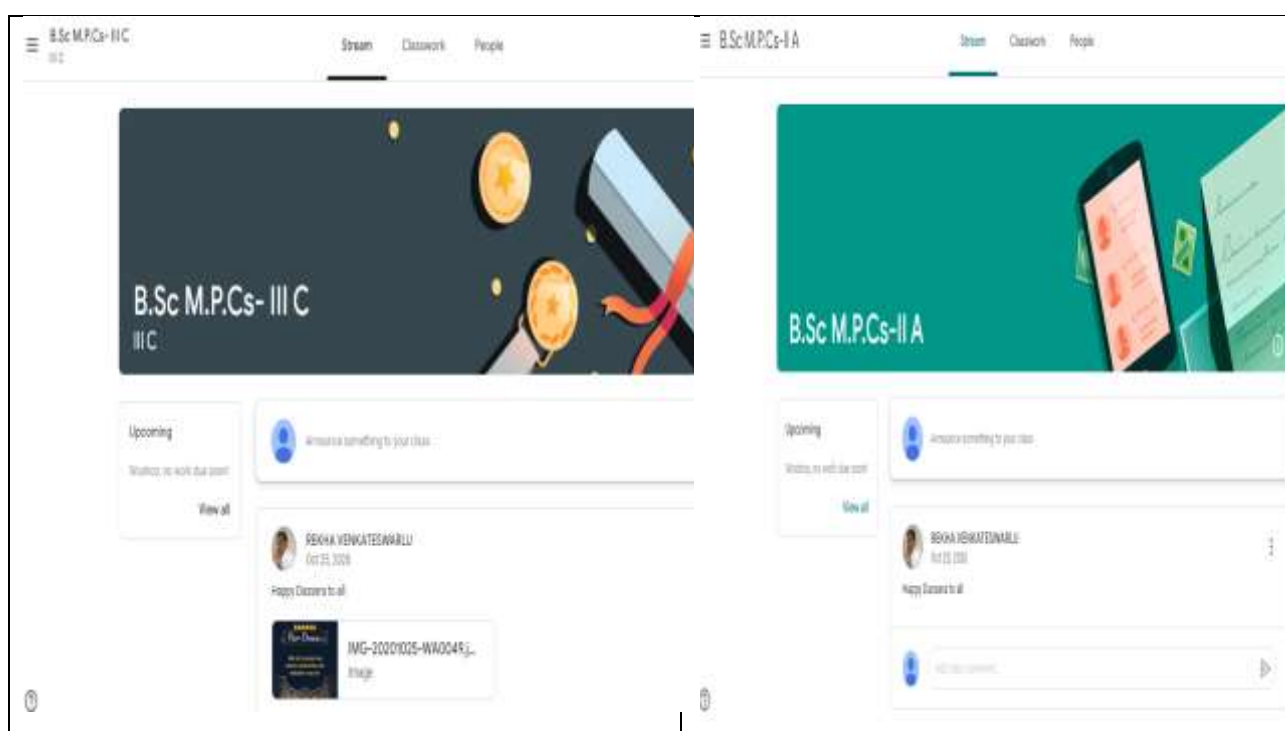
##### III. Abstract of Google Classrooms

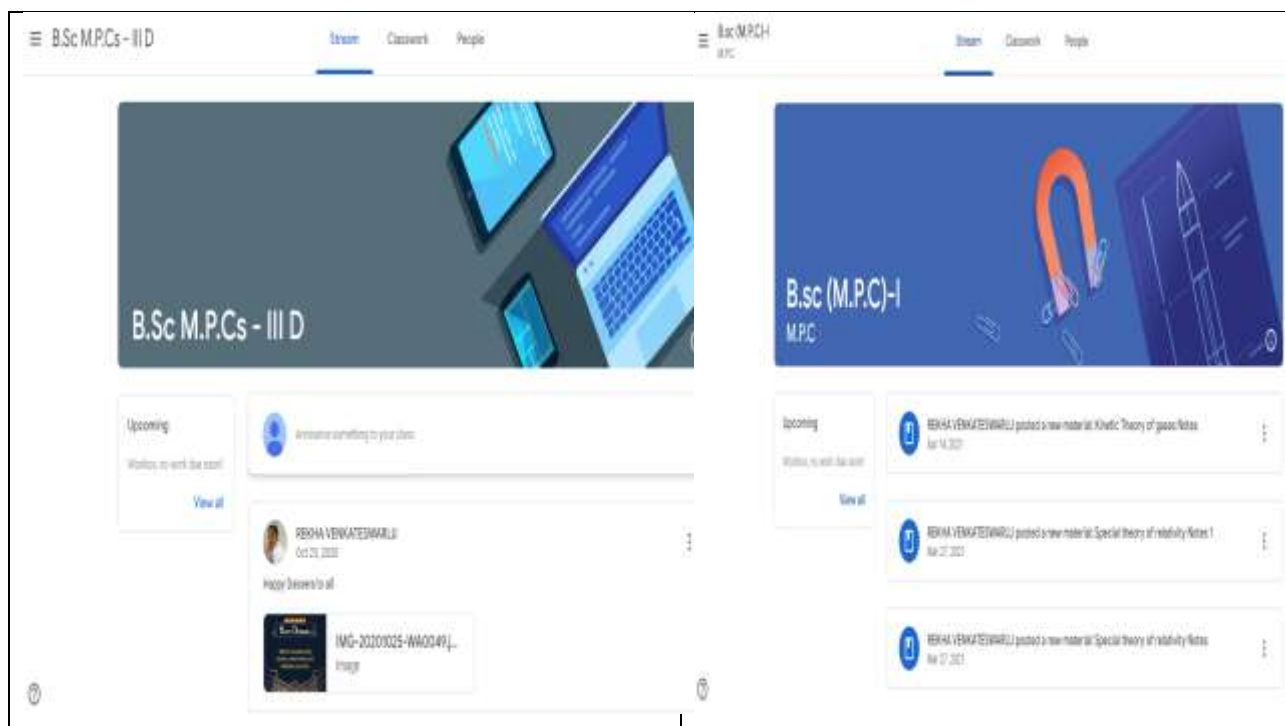
S. No.	Name of the Faculty	No. of Google Classrooms
1	CH. Bixmaiah	1
2	Y. Sreedhar Reddy	6

3	Rekha Venkateswarlu	4
4	Ch. Aruna	4
5	M. Sudharshan Reddy	2

## GOOGLE CLASSROOM:

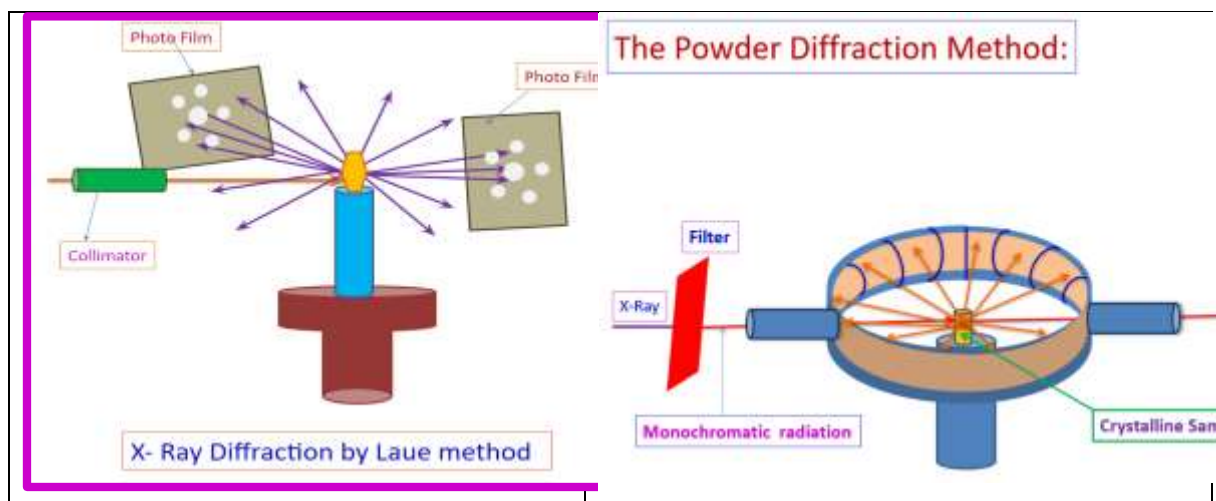
Google classroom is an important app provided freely by google company. Google classroom is helpful for teacher to connect with his/her students through online. It enables teachers to post study materials. Assignments and quizzes can be conducted through this app. Following images are screen shot of google classroom of Rekha Venkateswarlu, Assistant Professor of Physics. Every faculty member in the department is maintaining google classrooms like this.





## POWERPOINT PRESENTATIONS:

Our faculty is preparing PPTs with good images and very good animations of physical phenomena. Every classroom in our college is equipped with ICT devices. The following image is screen shots of few PPTs.



## TSAT-NIPUNA lectures:

Our faculty delivered lectures in TSAT- NIPUNA live telecast channel on different topics of Physics.

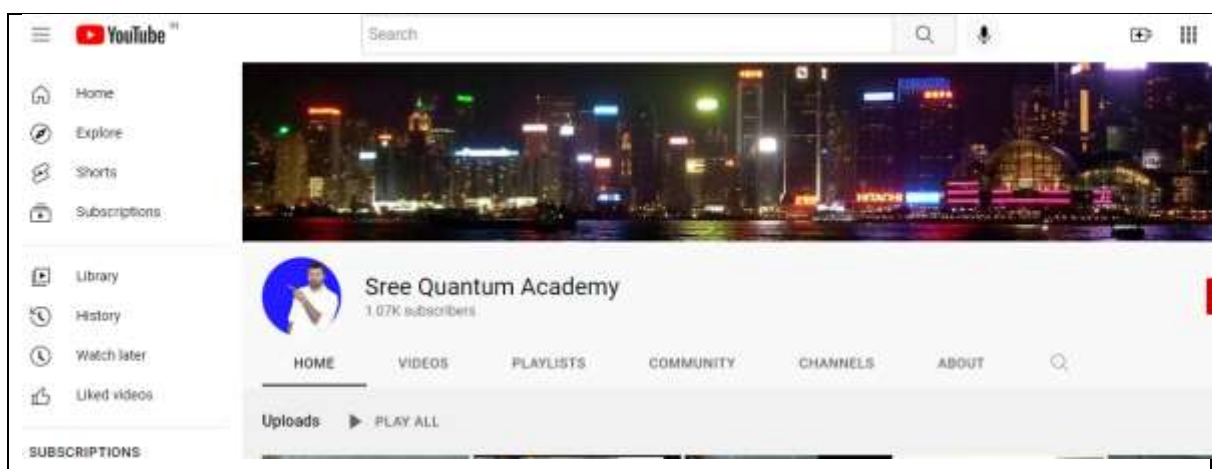


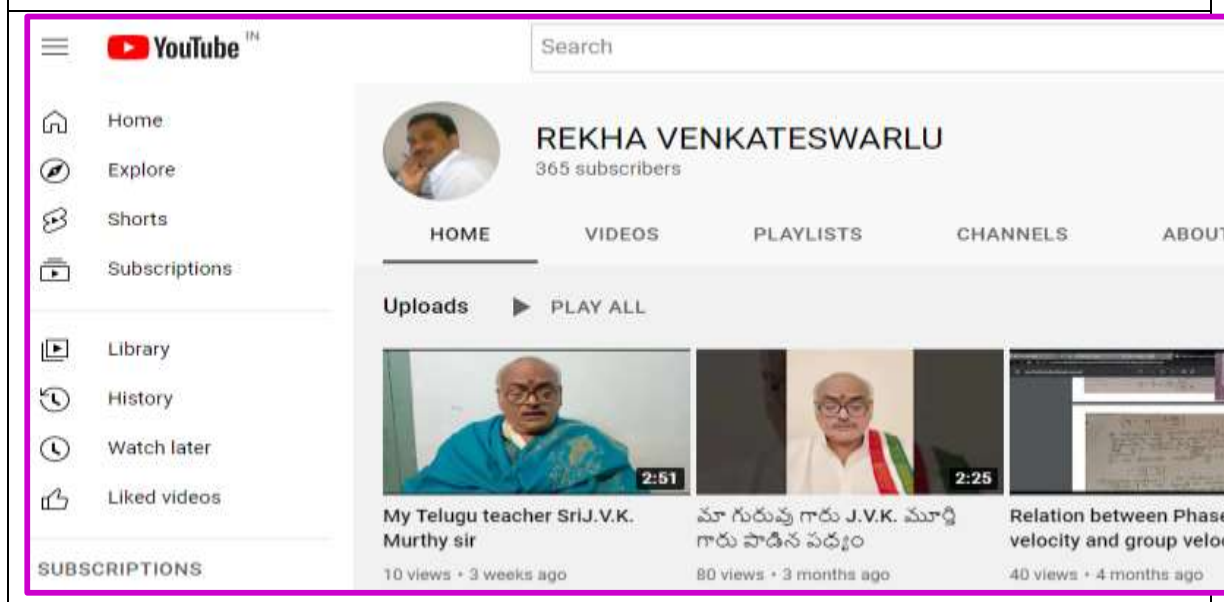
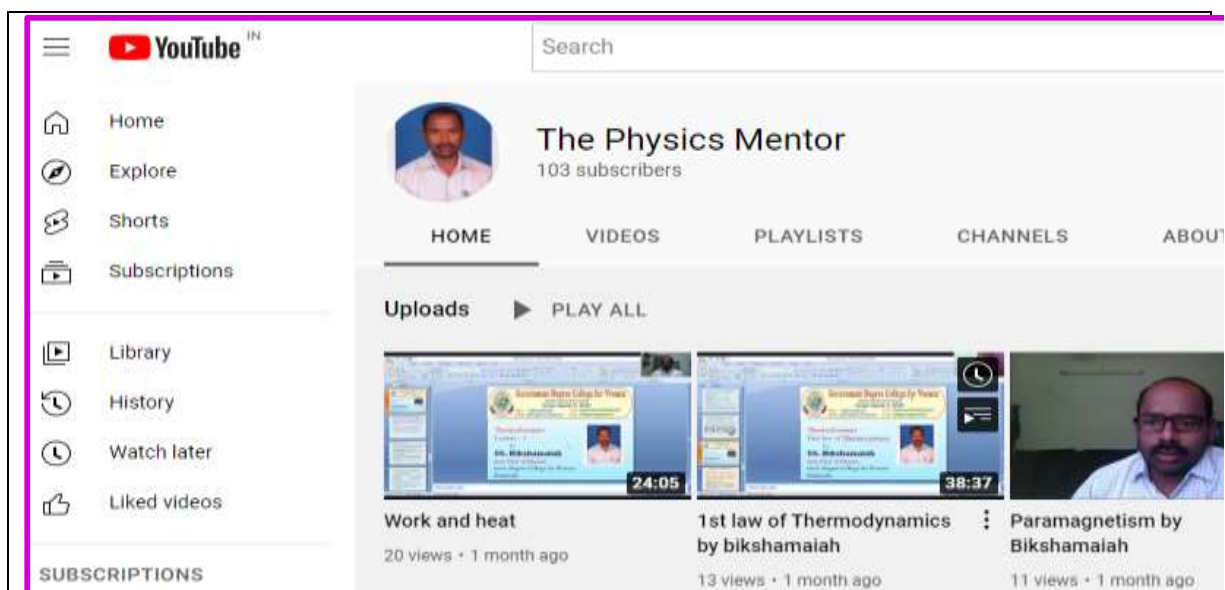
## VIDEO LECTURES & YOUTUBE CHANNELS:

Every faculty member of the department has created and uploaded videos of their lectures on YouTube channel. These video lecture links are available in department website for access to students. There are good no. of subscribers and view hours.

For record of Video lectures and PPTs can be accessed through a following link.

**Link:** <https://youtube.com/c/SreeQuantumAcademy>





<https://www.youtube.com/channel/UCToam7hd6I42WgkKZYSPow>

<https://www.youtube.com/channel/UCz8xrcpEdlQeLBOIcnbAYGQ>

<https://youtu.be/1LArfLLUfQU>

### **PEN TABLET:**

Whenever long derivations are involved in the topic, we are using pen tablet enabling teacher to write on the screen and when we use this device with the screen sharing option of ZOOM, allows us to save whatever we write on the screen in pdf format. Later this pdf formats can be shared to students after class. Following image is screenshot of the device.



### **DEPARTMENT WEBSITE:**

Department is maintaining its own website. Syllabus, Text books, study material, previous question papers, video lessons and cocurricular activities are available in the website at student disposal.

<https://sites.google.com/view/departmentofphysicsgdcwnlg/home>





## KAHOOT LIVE QUIZ:

Kahoot is an online quiz platform by which one can conduct the live quiz. Questions will be displayed on the screen; the students have to answer questions from their androids by entering the PIN number provided by the organiser. After every question, scores of students who are playing will be displayed on the screen with the rankings. Students enjoyed, learnt and played go hand in hand by this activity.





➤ **Student Centric Learning Activities**

- ⚙ Brainstorming sessions (Know about yourself, face the challenge programme, Optics in tree diagram, Nuclear Physics in butterfly diagram)







### ☀ Teach to Juniors

In this programme, senior students teach to junior students.

<https://docs.google.com/document/d/1bbf-YCLT-6ozM2fedRB-y0jJsXYRhh1-/edit?usp=sharing&oid=112700039059150201900&rtpof=true&sd=true>

### ☀ Science Today

It is the WhatsApp Group in which scientific news of every day would be posted.

<https://docs.google.com/document/d/1EnjsclkI20ypp2E69NtupBYIsi8cmGI0/edit?usp=sharing&oid=112700039059150201900&rtpof=true&sd=true>