

HOD Google drive details  
Response to COVID-19

During COVID-19 Applied Physics Department accessibly engaged in teaching and Research. Post graduate and under graduate students both have performed online virtual lab experiment besides online theory classes. The Department has developed virtual Lab experiment under leadership Prof. Archana Gupta Ist & IInd Sem P.G students alongwith Dr. Amit Kumar and invigilator Dr. Mrinal Jauhari.

The list of experiments as follows:

PG final year Lab. for IIIrd & IVth Sem. Virtual Lab. experiments have been developed under supervision of Prof. Sudhir Kumar, Mr. Pawan Kumar helped Students to successful executing of computer code to following experiments.

1. Franck and Hertz experiment  
Mr. Pawan Kumar - Faculty Incharge (Phy)  
Md. Nouman (Phy)
2. Rydberg's Constant  
Mr. Pawan Kumar - Faculty Incharge (Phy)  
Anshima Gupta (Phy)
3. Speed Of Light  
Mr. Pawan Kumar - Faculty Incharge (Phy)  
Akansha Gupta (Phy)
4. Millikan's Oil Drop experiment  
Mr. Pawan Kumar - Faculty Incharge (Phy)  
Pragati Gupta (Phy)

B.Tech U.G. programme as follows:

UG, B.Tech Virtual Lab. experiments have been developed under the supervision of Prof. M. Saleem Khan along with Mr. Pawan Kumar, Mr. Kash Dev Sharma, Dr. Anuj Nehra, & Dr. Md. Naseem Siddique.

List of experiments as follows:

1. Bar Pendulum  
> Generated by Students using C++ and C programming Languages
2. P. N. Junction Diode  
> Generated by Students on Electronic Simulator Performed on Virtual Lab.

3. RC Circuit  
> Generated by Students on Electronic Simulator Performed on Virtual Lab.

### **Program organized:**

1. A '**Webinar on Virtual Labs**' were convened by Prof. Archana Gupta and coordinated by Prof. M. Saleem Khan in Department of Applied Physics on 6<sup>th</sup> June .
2. A '**Live Webinar cum Workshop on Performing and Designing Experiments on Virtual Platform**' were convened by Prof. Archana Gupta and co-ordinated by Prof. M. Saleem Khan in Department of Applied Physics from 8<sup>th</sup> to 17<sup>th</sup> June, 2020.
3. A workshop on '**Technological Tools and their Management in online Teaching**' was convened from 14<sup>th</sup> to 21<sup>st</sup> August, 2020 by Prof. Archana Gupta in Department of Applied Physics.
4. Online Practical examination of M.Sc II<sup>nd</sup> Sem was conducted on virtual lab from 23<sup>rd</sup> to 25<sup>th</sup> June 2020.
5. M.J.P. Rohilkhand University has been notified as Nodal Centre of Virtual Labs, a Ministry of Human Resource Development initiative with the Participating Institution IIT Roorkee and Prof. Archana Gupta as nodal centre co-ordinator. Following virtual labs have been developed –

#### **(i). Hybrid Digital and Analog Electronics Lab I**

Dr. Amit Kumar - Faculty Incharge (Phy)

Anshima Gupta (Phy)

Md. Nouman (Phy)

Namita Yadav (Phy)

Swetank Agrwal (Phy)

#### **(ii). Microwave Engineering Lab**

Er. Inderpreet Kaur – Faculty Incharge (EC)

Anushka Suri (EC)

Srashti Katiyar (EC)  
Shreyasi Pandey (EC)  
Ratnakar Mishra (EC)

**(iii). Hybrid Digital and Analog Electronics Lab II**

Dr. Amit Kumar – Faculty Incharge (Phy)  
Shaily Agarwal (Phy)  
Akansha Gupta (Phy)  
Alok Kumar Singh (CSIT)  
Himanshu Gautam (CSIT)  
Sakshi (CSIT)

**(iv). Analysis and Design of Algorithm Lab**

Er. Anil Bisht – Faculty Incharge (CSIT)  
Anurag Sharma (CSIT)  
Rishabh Singh Patel (CSIT)  
Shivam Kumar (CSIT)  
Shivank Sharma (CSIT)  
Wajid Ali Altamash (CSIT)

➤ How many students have cleared competitive exam : 06  
Prem Pal Gangwar Assistant Prof. Govt. College, Kannod, Dewas, M.P.  
Rajnish Gangwar NET  
Pragati Rani NET  
Deeksha Gupta GATE  
Bhanu Pratap Singh GATE  
Prayas GATE