



# National Institute of Technology Srinagar

Department of Physics  
M.Sc. Physics (2019) Projects



**Vikash**

**2019MSPHY001**

**(8.844/10)**

(8053111575)

**Changes In Properties Of Graphene Due To Defects**



**Nikhilesh Kumar Dilwaliya**

**2019MSPHY002**

**(9.2/10)**

(7838591359/8368442694)

**Characterization And Annealing Of Graphene**



**Nijith P Jayan**

**2019MSPHY003**

**(8.022/10)**

(9746625908)

**Growth and Characterization of CdO Nanoparticles**



**Tufail Ahmad Rather**

**2019MSPHY004**

**(9.511/10)**

(9541332955)

**Cosmological N Body Simulation with GADGET-2**



**Zubair Nabi**

**2019MSPHY005**

**(9.089/10)**

(9149559830)

**Black hole Thermodynamics**



**Akanksha Pandey**

**2019MSPHY006**

**(9.178/10)**

(9149480598)

**Quantum Simulation of spin models using IBM QX and Qiskit**



**Amruta Rajendra Desai**

**2019MSPHY007**

**(8.978/10)**

(9922623248)

**Massive Gravity in 2+1 dimensions**



**Shahid Altaf**

**2019MSPHY008**

**(9.267/10)**

(9596289617)

**Holographic principle and some of its applications to information paradox**



**Muzamil Bhat**  
**2019MSPHY009**  
**(8.956/10)**  
(7006778268)

**Quantum Foundations In The Light Of Quantum Information**



**Nowsheena Ayoub**  
**2019MSPHY011**  
**(8.978/10)**  
(7006766236)

**Structural, In Vitro And In Vivo MRI Imaging Properties Of Hematite (A – Fe<sub>2</sub>O<sub>3</sub>) Nanorods Fabricated Via Microwave Route**



**Danish Majeed**  
**2019MSPHY012**  
**(8.822/10)**  
(7006113742)

**Sol-Gel synthesis and characterization of ZnO nanoparticles**



**Reyaz Ahmad Teeli**  
**2019MSPHY013**  
**(7.956/10)**  
(7051879004)

**Structural and Optical Studies of Gd doped Heterogeneous Double Perovskite Compound (Ca<sub>2</sub>GdNiMnO<sub>6</sub>) synthesized by Solid-State Reaction Method**



**Aanisa Gulzar**  
**2019MSPHY014**  
**(8.578/10)**  
(9906475779)

**Synthesis, Structural, Optical And Photothermal Therapeutic Properties Of Hematite (A- Fe<sub>2</sub>O<sub>3</sub>) Nanorods Fabricated Via Hydrothermal Route**



**Shabnam Rasool**  
**2019MSPHY015**  
**(8.8/10)**  
(8899036129)

**Sol Gel Synthesis of CuO Nanostructures and Their Antibacterial Activity**



**Sachin Choudhary**  
**2019MSPHY016**  
**(8.8/10)**  
(9720868856)

**Synthesis and Characterization of Antimony doped Tin Oxide**



**Shafiqa Bashir**  
**2019MSPHY017**  
**(8.778/10)**  
(9682594708)

**Growth of CuO Nanobuds and Their Antibacterial Activity**



**Suhail**  
**2019MSPHY018**  
**(8.533/10)**  
(9058627082)

**Influence of annealing temperature on zinc oxide thin film grown by hydrothermal method**



**Mohd. Hussain**  
**2019MSPHY019**  
**(8.556/10)**  
(8825006799)

**Pixel identification in an image using Grover's algorithm**



**Mohsin Rashid**  
**2019MSPHY020**  
**(8.867/10)**  
(7006411609)

**Copper-Doped Titanium Dioxide: Visible light assisted Photocatalytic Dye Degradation Application**



**Tabassum Aazain**  
**2019MSPHY021**  
**(8.689/10)**  
(7006678419)

**Synthesis and characterization of cadmium sulphide nanoparticles by precipitation method**



**Shakir Ahmad Dar**  
**2019MSPHY022**  
**(8.378/10)**  
(9622543542)

**Synthesis and Characterization of La doped Ca<sub>2</sub>NiMnO<sub>6</sub> by Solid State Reaction Method**



**Tabassum Rasool**  
**2019MSPHY023**  
**(8.333/10)**  
(9541486247)

**Quantum oracle's in quantum computation and their applications in quantum algorithms**



**Basit Iqbal**  
**2019MSPHY024**  
**(8.6.10)**  
(8494035341)

**Finding Darker Pixels in an Image Using Grover's Quantum Search Algorithm**