Supporting Documents- Physical Sciences

- 1) List of Students Undertaking Field Projects / Research Projects / Internship Program
- 2) Completion Certificates
- 3) Copy of Project Report



1.3.4

I.K. GUJRAL PUNJAB TECHNICAL UNIVERSITY Department of Physical Sciences

Ref. No: IKGPTU/PS/ 4/198

Date: 13.07.2020

Subject: List of students with name of Supervisors for M.Sc. Physical Sciences for Batch 2018-20.

Please find below the List of students with title of thesis & name of Supervisors for M.Sc. Physical Sciences for Batch 2018-20.

S. No.	Univ Regd No.	Name of Candidate	Title of thesis	Name of Supervisor
l Internet	1833789	Manas Sharma	Structural and Electronic properties of WSe ₂ : A Density Functional Theory Investigation	Dr.Hitesh Sharma
2	1833790	Prashant Kumar	Investigation of structural and electronic Properties of CsGel3: Using Density Functional Theory	Dr.Hitesh Sharma
3	1833791	Rahul Kumar	Flavor Distribution in Chiral Quark Model	Dr.Neetika
4	1833792	Varsha	Structural and Electronic Properties of monolayer MoS2: using Density Functional Theory	Dr.Hitesh Sharma
5	1834076	Dheeraj Kumar	A Structural Study of Double Perovskite Materials: Ba ₂ GdRuO ₆ & Sr ₂ GdRuO ₆	Dr.Hitesh Sharma

Dr. Hitesh Sharma HoD, Physical Sciences

Head Department of Physical Sciences I.K. Gujral Punjab Technical University Main Campus and the

Ref No. IKGPTU/PS/14252 -0/

Date: 30/09/2020

This is to certify that Mr. Manas Sharma Student of M.Sc. Physics bearing Roll No. 1833789 has undergone a research project in the area of Condensed Matter Physics at the Department of Physical Sciences, I.K.G. PTU, Main Campus, Kapurthala in fourth semester of his master program. He has also submitted his report on Title: "Structural and Electronic properties of WSe₂: A Density Functional Theory Investigation".

His performance during the research project was satisfactory. We wish him all the best for future endeavors.

Head of the Department

Department of Physical Sciences I.K. Gujral Punjab Technical University Main Campus.

Ref No. IKGPTU/PS/4252-02

Date: 30/09/2020

This is to certify that Mr. Prashant Kumar Student of M.Sc. Physics bearing Roll No. 1833790 has undergone a research project in the area of Condensed Matter Physics at the Department of Physical Sciences, I.K.G. PTU, Main Campus, Kapurthala in fourth semester of his master program. He has also submitted his report on Title: "Investigation of structural and electronic Properties of CsGeI3: Using Density Functional Theory".

His performance during the research project was satisfactory. We wish him all the best for future endeavors.

Head of the Department



Ref No. IKGPTU/PS/4252/03

Date: 30/09/2020

This is to certify that Mr. Rahul Kumar Student of M.Sc. Physics bearing Roll No. 1833791 has undergone a research project in the area of Particle Physics at the Department of Physical Sciences, I.K.G. PTU, Main Campus, Kapurthala in fourth semester of his master program. He has also submitted his report on Title: "Flavor Distribution in Chiral Quark Model".

His performance during the research project was satisfactory. We wish him all the best for future endeavors.

Head of the Department

Department of Physical Sciences LK. Gujral Punjab Technical University Main Campus

Ref No. IKGPTU/PS/4252-04

Date: 30/09/ 2020

This is to certify that Ms. Varsha Sharma Student of M.Sc. Physics bearing Roll No. 1833792 has undergone a research project in the area of at the Department of Physical Sciences, I.K.G. PTU, Main Campus, Kapurthala in fourth semester of her master program. She has also submitted his report on Title: "Structural and Electronic Properties of monolayer MoS2: using Density Functional Theory".

Her performance during the research project was satisfactory. We wish her all the best for future endeavors.

Head of the Department



Ref No. IKGPTU/PS / 4252-05

Date: 30/09/2920

This is to certify that Mr. Dheeraj Kumar student of M.Sc. Physics bearing Roll No. 1834076 has undergone a research project in the area of Nuclear Physics at the Department of Physical Sciences, I.K.G. PTU, Main Campus, Kapurthala in fourth semester of his master program. He has also submitted his report on Title: "A Structural Study of Double Perovskite Materials:Ba₂GdRuO₆ & Sr₂GdRuO₆".

His performance during the research project was satisfactory. We wish him all the best for future endeavors.

Head of the Department

Head Department of Physical Sciences K. Gujral Punjab Technical lain Campus

STRUCTURAL AND ELECTRONIC PROPERTIES OF WSe2 :-A DENSITY FUNCTIONAL THEORY INVESTIGATION

DISSERTATION

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF THE DEGREE OF

MASTER OF SCIENCE

PHYSICS

SUBMITTED BY

Manas Sharma

Univ. Roll No:-1833789



DEPARTMENT OF PHYSICAL SCIENCES I K GUJRAL PUNJAB TECHNICAL UNIVERSITY JALANDHAR, PUNJAB

July 2020

Department of Physical Sciences I.K. Gujral Punjab Technical University Main Campus

Annexure 1.3.4 (1) 298 Investigation of structural and electronic Properties of CsGel₃: Using Density Functional Theory

DISSERTATION

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF THE DEGREE OF

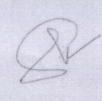
MASTER OF SCIENCE

PHYSICS

SUBMITTED BY

Prashant Kumar

Regd. No. - 1833790





Meed Department of Physical Sciences I.K. Guiral Punjab Technical University Main Campus

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DEPARTMENT OF PHYSICAL SCIENCES

Investigation of structural and electronic Properties of monolayer MoS₂: Using Density Functional

DISSERTATION

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF THE DEGREE OF

MASTER OF SCIENCE

PHYSICS

SUBMITTED BY

Varsha Sharma

Regd. No. - 1833792





Hoad Department of Physical Sciences LK. Gujral Punjab Technical University Main Campus 30

DEPARTMENT OF PHYSICAL SCIENCES

A STRUCTURAL STUDY OF DOUBLE PEROVSKITE MATERIALS :

Ba2GdRuO6 & Sr2GdRuO6

DISSERTATION

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF THE DEGREE OF

MASTER OF SCIENCE

PHYSICS

SUBMITTED BY

Dheeraj Sharma

Regd. No. 1834076





Head Department of Physical Sciences I.K. Gujral Punjab, Technical University Main Campus

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DEPARTMENT OF PHYSICAL SCIENCES I K GUJRAL PUNJAB TECHNICAL UNIVERSITY

JALANDHAR, PUNJAB

July 2020

STUDY OF QUARK STRUCTURE OF BARYON USING CHIRAL QUARK MODEL

DISSERTATION

SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENT FOR THE AWARD OF THE DEGREE OF

MASTER OF SCIENCE

PHYSICS

SUBMITTED BY

Rahul Kumar

Regd, No. 1833791

DEPARTMENT OF PHYSICAL SCIENCES

I K GUJRAL PUNJAB TECHNICAL UNIVERSIT

JALANDHAR, PUNJAB

July 2020

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