SETH GYANIRAM BANSIDHAR PODAR COLLEGE

Recognition of college under Section 2(f)/12(B), UGC Act, 1956
Affiliated to Pandit Deendayal Upadhyaya Shekhawati University, Sikar

CERTIFICATE OF EXPERIENTIAL LEARNING

DEPARTMENT OF PHYSICS

This certificate is awarded to

Student Name - *Bharat Kumar Jangir*

in recognition of successful completion of the M.Sc. (Previous) Physics Laboratory course

Date - *24/02/2023*

This course has equipped you with a comprehensive foundation in various practical skills and theoretical knowledge of physics, including:
Electronics: Analyzing and designing circuits involving oscillators, multivibrators, transistors, operational amplifiers, and related concepts.

Physics Experiments: Performing experiments and interpreting data to determine fundamental properties like Planck's constant, work function, wave characteristics, and behavior of mechanical systems.

Optics and Spectroscopy: Utilizing advanced experimental techniques like interferometry and spectroscopy to study various phenomena.

Atomic Physics and Filter Design: Investigating atomic phenomena like the Raman effect and dissociation energy, and designing filters.

Bharat Kumar Jangir **has consistently demonstrated a strong understanding of physical principles, proficiency in various experimental techniques, and the ability to apply their knowledge to solve practical problems in different areas of physics.**

Signature of Instructor

Prof. Krishan Kumar Jangir

Assistant Professor

Satyendra Singh

Digitally signed by Satyendra Singh
DN: C=IN, O=Personal, T=9133, OID.2.5.4.65=133019105991671265SETo63p3kXV4ZM, Phone=742394841aef33cce94e07adf97b2ee5815e3861b07b803a43f9cf87c30ce3b5, PostalCode=474020, S=Madhya Pradesh, SERIALNUMBER=9b20c3a910498633f1c9644ca027403ec4a50c08227f1611809857950 3df9be4, CN=Satyendra Singh
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CERTIFICATE OF EXPERIENTIAL LEARNING

DEPARTMENT OF PHYSICS

This certificate is awarded to

Student Name - *Bhavna Saini*

in recognition of successful completion of the M.Sc. (Previous) Physics Laboratory course

Date - *24/02/2023*

This course has equipped you with a comprehensive foundation in various practical skills and theoretical knowledge of physics, including:
Electronics: Analyzing and designing circuits involving oscillators, multivibrators, transistors, operational amplifiers, and related concepts.

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Optics and Spectroscopy: Utilizing advanced experimental techniques like interferometry and spectroscopy to study various phenomena.

Atomic Physics and Filter Design: Investigating atomic phenomena like the Raman effect and dissociation energy, and designing filters.

***Bhavna Saini* has consistently demonstrated a strong understanding of physical principles, proficiency in various experimental techniques, and the ability to apply their knowledge to solve practical problems in different areas of physics.**

Signature of Instructor

Prof. Krishan Kumar Jangir

Assistant Professor

Satyendra Singh

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CERTIFICATE OF EXPERIENTIAL LEARNING

DEPARTMENT OF PHYSICS

This certificate is awarded to

Student Name - *Deepanshu Verma*

in recognition of successful completion of the M.Sc. (Previous) Physics Laboratory course

Date - *24/02/2023*

This course has equipped you with a comprehensive foundation in various practical skills and theoretical knowledge of physics, including:
Electronics: Analyzing and designing circuits involving oscillators, multivibrators, transistors, operational amplifiers, and related concepts.

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Optics and Spectroscopy: Utilizing advanced experimental techniques like interferometry and spectroscopy to study various phenomena.

Atomic Physics and Filter Design: Investigating atomic phenomena like the Raman effect and dissociation energy, and designing filters.

***Deepanshu Verma* has consistently demonstrated a strong understanding of physical principles, proficiency in various experimental techniques, and the ability to apply their knowledge to solve practical problems in different areas of physics.**

Signature of Instructor

Prof. Krishan Kumar Jangir

Assistant Professor

Satyendra Singh

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CERTIFICATE OF EXPERIENTIAL LEARNING

DEPARTMENT OF PHYSICS

This certificate is awarded to

Student Name - *Kalpana*

in recognition of successful completion of the M.Sc. (Previous) Physics Laboratory course

Date - *24/02/2023*

This course has equipped you with a comprehensive foundation in various practical skills and theoretical knowledge of physics, including:
Electronics: Analyzing and designing circuits involving oscillators, multivibrators, transistors, operational amplifiers, and related concepts.

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Optics and Spectroscopy: Utilizing advanced experimental techniques like interferometry and spectroscopy to study various phenomena.

Atomic Physics and Filter Design: Investigating atomic phenomena like the Raman effect and dissociation energy, and designing filters.

***Kalpana* has consistently demonstrated a strong understanding of physical principles, proficiency in various experimental techniques, and the ability to apply their knowledge to solve practical problems in different areas of physics.**

Signature of Instructor

Prof. Krishan Kumar Jangir

Assistant Professor

Satyendra Singh

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CERTIFICATE OF EXPERIENTIAL LEARNING

DEPARTMENT OF PHYSICS

This certificate is awarded to

Student Name - *Krishan Kumar Saini*

in recognition of successful completion of the M.Sc. (Previous) Physics Laboratory course

Date - *24/02/2023*

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Optics and Spectroscopy: Utilizing advanced experimental techniques like interferometry and spectroscopy to study various phenomena.

Atomic Physics and Filter Design: Investigating atomic phenomena like the Raman effect and dissociation energy, and designing filters.

***Krishan Kumar Saini* has consistently demonstrated a strong understanding of physical principles, proficiency in various experimental techniques, and the ability to apply their knowledge to solve practical problems in different areas of physics.**

Signature of Instructor

Prof. Krishan Kumar Jangir

Assistant Professor

Satyendra Singh

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CERTIFICATE OF EXPERIENTIAL LEARNING

DEPARTMENT OF PHYSICS

This certificate is awarded to

Student Name - *Lucky*

in recognition of successful completion of the M.Sc. (Previous) Physics Laboratory course

Date - *24/02/2023*

This course has equipped you with a comprehensive foundation in various practical skills and theoretical knowledge of physics, including:
Electronics: Analyzing and designing circuits involving oscillators, multivibrators, transistors, operational amplifiers, and related concepts.

Physics Experiments: Performing experiments and interpreting data to determine fundamental properties like Planck's constant, work function, wave characteristics, and behavior of mechanical systems.

Optics and Spectroscopy: Utilizing advanced experimental techniques like interferometry and spectroscopy to study various phenomena.

Atomic Physics and Filter Design: Investigating atomic phenomena like the Raman effect and dissociation energy, and designing filters.

***Lucky* has consistently demonstrated a strong understanding of physical principles, proficiency in various experimental techniques, and the ability to apply their knowledge to solve practical problems in different areas of physics.**

Signature of Instructor

Prof. Krishan Kumar Jangir

Assistant Professor

Satyendra Singh

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CERTIFICATE OF EXPERIENTIAL LEARNING

DEPARTMENT OF PHYSICS

This certificate is awarded to

Student Name - *Manisha Saini*

in recognition of successful completion of the M.Sc. (Previous) Physics Laboratory course

Date - *24/02/2023*

This course has equipped you with a comprehensive foundation in various practical skills and theoretical knowledge of physics, including:
Electronics: Analyzing and designing circuits involving oscillators, multivibrators, transistors, operational amplifiers, and related concepts.

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Optics and Spectroscopy: Utilizing advanced experimental techniques like interferometry and spectroscopy to study various phenomena.

Atomic Physics and Filter Design: Investigating atomic phenomena like the Raman effect and dissociation energy, and designing filters.

***Manisha Saini* has consistently demonstrated a strong understanding of physical principles, proficiency in various experimental techniques, and the ability to apply their knowledge to solve practical problems in different areas of physics.**

Signature of Instructor

Prof. Krishan Kumar Jangir

Assistant Professor

Satyendra Singh

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DEPARTMENT OF PHYSICS

This certificate is awarded to

Student Name - *Ms.Pooja*

in recognition of successful completion of the M.Sc. (Previous) Physics Laboratory course

Date - *24/02/2023*

This course has equipped you with a comprehensive foundation in various practical skills and theoretical knowledge of physics, including:
Electronics: Analyzing and designing circuits involving oscillators, multivibrators, transistors, operational amplifiers, and related concepts.

Physics Experiments: Performing experiments and interpreting data to determine fundamental properties like Planck's constant, work function, wave characteristics, and behavior of mechanical systems.

Optics and Spectroscopy: Utilizing advanced experimental techniques like interferometry and spectroscopy to study various phenomena.

Atomic Physics and Filter Design: Investigating atomic phenomena like the Raman effect and dissociation energy, and designing filters.

***Ms.Pooja* has consistently demonstrated a strong understanding of physical principles, proficiency in various experimental techniques, and the ability to apply their knowledge to solve practical problems in different areas of physics.**

Signature of Instructor

Prof. Krishan Kumar Jangir

Assistant Professor

Satyendra Singh

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CERTIFICATE OF EXPERIENTIAL LEARNING

DEPARTMENT OF PHYSICS

This certificate is awarded to

Student Name - *Nikita*

in recognition of successful completion of the M.Sc. (Previous) Physics Laboratory course

Date - *24/02/2023*

This course has equipped you with a comprehensive foundation in various practical skills and theoretical knowledge of physics, including:
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Optics and Spectroscopy: Utilizing advanced experimental techniques like interferometry and spectroscopy to study various phenomena.

Atomic Physics and Filter Design: Investigating atomic phenomena like the Raman effect and dissociation energy, and designing filters.

***Nikita* has consistently demonstrated a strong understanding of physical principles, proficiency in various experimental techniques, and the ability to apply their knowledge to solve practical problems in different areas of physics.**

Signature of Instructor

Prof. Krishan Kumar Jangir

Assistant Professor

Satyendra Singh

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CERTIFICATE OF EXPERIENTIAL LEARNING

DEPARTMENT OF PHYSICS

This certificate is awarded to

Student Name - *Nitu Kumari*

in recognition of successful completion of the M.Sc. (Previous) Physics Laboratory course

Date - *24/02/2023*

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Optics and Spectroscopy: Utilizing advanced experimental techniques like interferometry and spectroscopy to study various phenomena.

Atomic Physics and Filter Design: Investigating atomic phenomena like the Raman effect and dissociation energy, and designing filters.

***Nitu Kumari* has consistently demonstrated a strong understanding of physical principles, proficiency in various experimental techniques, and the ability to apply their knowledge to solve practical problems in different areas of physics.**

Signature of Instructor

Prof. Krishan Kumar Jangir

Assistant Professor

Satyendra Singh

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This certificate is awarded to

Student Name - *Piyush Kumar*

in recognition of successful completion of the M.Sc. (Previous) Physics Laboratory course

Date - *24/02/2023*

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Optics and Spectroscopy: Utilizing advanced experimental techniques like interferometry and spectroscopy to study various phenomena.

Atomic Physics and Filter Design: Investigating atomic phenomena like the Raman effect and dissociation energy, and designing filters.

***Piyush Kumar* has consistently demonstrated a strong understanding of physical principles, proficiency in various experimental techniques, and the ability to apply their knowledge to solve practical problems in different areas of physics.**

Signature of Instructor

Prof. Krishan Kumar Jangir

Assistant Professor

Satyendra Singh

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This certificate is awarded to

Student Name - *Prem Kumari*

in recognition of successful completion of the M.Sc. (Previous) Physics Laboratory course

Date - *24/02/2023*

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Optics and Spectroscopy: Utilizing advanced experimental techniques like interferometry and spectroscopy to study various phenomena.

Atomic Physics and Filter Design: Investigating atomic phenomena like the Raman effect and dissociation energy, and designing filters.

***Prem Kumari* has consistently demonstrated a strong understanding of physical principles, proficiency in various experimental techniques, and the ability to apply their knowledge to solve practical problems in different areas of physics.**

Signature of Instructor

Prof. Krishan Kumar Jangir

Assistant Professor

Satyendra Singh

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Student Name - *Priyanka Saini*

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***Priyanka Saini* has consistently demonstrated a strong understanding of physical principles, proficiency in various experimental techniques, and the ability to apply their knowledge to solve practical problems in different areas of physics.**

Signature of Instructor

Prof. Krishan Kumar Jangir

Assistant Professor

Satyendra Singh

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DEPARTMENT OF PHYSICS

This certificate is awarded to

Student Name - *Rashmi Jangir*

in recognition of successful completion of the M.Sc. (Previous) Physics Laboratory course

Date - *24/02/2023*

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Optics and Spectroscopy: Utilizing advanced experimental techniques like interferometry and spectroscopy to study various phenomena.

Atomic Physics and Filter Design: Investigating atomic phenomena like the Raman effect and dissociation energy, and designing filters.

***Rashmi Jangir* has consistently demonstrated a strong understanding of physical principles, proficiency in various experimental techniques, and the ability to apply their knowledge to solve practical problems in different areas of physics.**

Signature of Instructor

Prof. Krishan Kumar Jangir

Assistant Professor

Satyendra Singh

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Affiliated to Pandit Deendayal Upadhyaya Shekhawati University, Sikar

CERTIFICATE OF EXPERIENTIAL LEARNING

DEPARTMENT OF PHYSICS

This certificate is awarded to

Student Name - *Sandeep Kumar*

in recognition of successful completion of the M.Sc. (Previous) Physics Laboratory course

Date - *24/02/2023*

This course has equipped you with a comprehensive foundation in various practical skills and theoretical knowledge of physics, including:
Electronics: Analyzing and designing circuits involving oscillators, multivibrators, transistors, operational amplifiers, and related concepts.

Physics Experiments: Performing experiments and interpreting data to determine fundamental properties like Planck's constant, work function, wave characteristics, and behavior of mechanical systems.

Optics and Spectroscopy: Utilizing advanced experimental techniques like interferometry and spectroscopy to study various phenomena.

Atomic Physics and Filter Design: Investigating atomic phenomena like the Raman effect and dissociation energy, and designing filters.

***Sandeep Kumar* has consistently demonstrated a strong understanding of physical principles, proficiency in various experimental techniques, and the ability to apply their knowledge to solve practical problems in different areas of physics.**

Signature of Instructor

Prof. Krishan Kumar Jangir

Assistant Professor

Satyendra Singh

Digitally signed by Satyendra Singh
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CERTIFICATE OF EXPERIENTIAL LEARNING

DEPARTMENT OF PHYSICS

This certificate is awarded to

Student Name - *Sugandha Sharma*

in recognition of successful completion of the M.Sc. (Previous) Physics Laboratory course

Date - *24/02/2023*

This course has equipped you with a comprehensive foundation in various practical skills and theoretical knowledge of physics, including:
Electronics: Analyzing and designing circuits involving oscillators, multivibrators, transistors, operational amplifiers, and related concepts.

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Optics and Spectroscopy: Utilizing advanced experimental techniques like interferometry and spectroscopy to study various phenomena.

Atomic Physics and Filter Design: Investigating atomic phenomena like the Raman effect and dissociation energy, and designing filters.

***Sugandha Sharma* has consistently demonstrated a strong understanding of physical principles, proficiency in various experimental techniques, and the ability to apply their knowledge to solve practical problems in different areas of physics.**

Signature of Instructor

Prof. Krishan Kumar Jangir

Assistant Professor

Satyendra Singh

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CERTIFICATE OF EXPERIENTIAL LEARNING

DEPARTMENT OF PHYSICS

This certificate is awarded to

Student Name - *Vikas Kumar*

in recognition of successful completion of the M.Sc. (Previous) Physics Laboratory course

Date - *24/02/2023*

This course has equipped you with a comprehensive foundation in various practical skills and theoretical knowledge of physics, including:
Electronics: Analyzing and designing circuits involving oscillators, multivibrators, transistors, operational amplifiers, and related concepts.

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Optics and Spectroscopy: Utilizing advanced experimental techniques like interferometry and spectroscopy to study various phenomena.

Atomic Physics and Filter Design: Investigating atomic phenomena like the Raman effect and dissociation energy, and designing filters.

***Vikas Kumar* has consistently demonstrated a strong understanding of physical principles, proficiency in various experimental techniques, and the ability to apply their knowledge to solve practical problems in different areas of physics.**

Signature of Instructor

Prof. Krishan Kumar Jangir

Assistant Professor

Satyendra Singh

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CERTIFICATE OF EXPERIENTIAL LEARNING

DEPARTMENT OF PHYSICS

This certificate is awarded to

Student Name - *Yashasvi Sharma*

in recognition of successful completion of the M.Sc. (Previous) Physics Laboratory course

Date - *24/02/2023*

This course has equipped you with a comprehensive foundation in various practical skills and theoretical knowledge of physics, including:
Electronics: Analyzing and designing circuits involving oscillators, multivibrators, transistors, operational amplifiers, and related concepts.

Physics Experiments: Performing experiments and interpreting data to determine fundamental properties like Planck's constant, work function, wave characteristics, and behavior of mechanical systems.

Optics and Spectroscopy: Utilizing advanced experimental techniques like interferometry and spectroscopy to study various phenomena.

Atomic Physics and Filter Design: Investigating atomic phenomena like the Raman effect and dissociation energy, and designing filters.

***Yashasvi Sharma* has consistently demonstrated a strong understanding of physical principles, proficiency in various experimental techniques, and the ability to apply their knowledge to solve practical problems in different areas of physics.**

Signature of Instructor

Prof. Krishan Kumar Jangir

Assistant Professor

Satyendra Singh

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