

LAXMINARAYAN COLLEGE, JHARSUGUDA

DEPARTMENT OF PHYSICS



HEARTY WELCOME TO NAAC PEER TEAM

CONTENT

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DEPARTMENT OF PHYSICS

Year of Establishment	1969
No. of Sanctioned Post	05
No. of Existing Faculty	04



OF
PHYSICS



VISION

- ❖ **To impart quality education in Physics to rural and economically weaker students.**
- ❖ **To create interest to opt for Physics as a major subject in higher education.**
- ❖ **To make the student creative and research oriented.**
- ❖ **To raise the standard of our students to global level and make them employable.**
- ❖ **To provide a platform to the students to exhibit their talents and creativity.**





MISSION

- ❖ **To provide education not only to acquire knowledge but also to implement in welfare of the society.**
- ❖ **To awaken the young minds and discover their talents both in theory and in practical physics.**
- ❖ **To support the developmental activities of the college and make the department vibrant.**






FUTURE PLANS

- ❖ **To conduct more number of syllabus oriented Seminars by the students.**
- ❖ **To conduct extra mural lectures by experts.**
- ❖ **To conduct classes regarding national level entrance exams.**
- ❖ **To give research oriented project works.**
- ❖ **To train the students for job opportunities in details.**

FACULTY DETAILS

	NAME OF THE FACULTY	QUALIFICATION	DESIGNATION	SPECIALIZATION	DATE OF JOINING (INITIAL)	DATE OF JOINING (PRESENT COLLEGE)	AADHAR NO.	VOTER ID NO.	PAN NO.
	BIGNAN BHUSAN BHANJA	M.SC., M.PHIL	READER	Plasma Physics	25.01.1988	27.09.2006	6045 9305 1700	WYJ0683938	AHMPB7190F
	BIJENDRA YOTISH	M.SC.	LECTURER	Condensed matter Physics	06.10.2016	06.10.2016	3057 0361 7385	SPA0137455	AYMPJ3194L
	RASHMI REKHA BEHERA	M.SC.	LECTURER	Electronics	06.10.2016	06.10.2016	2059 5300 0685	NEX0903591	CMIPB1673A
	BHARAT BHABESH PATI	M.SC.	LECTURER	Electronics	06.10.2016	06.10.2016	2425 0362 5089	NEX0662163	CCKPP1248R

LAB. ASSISTANT/LAB. ATTENDANT

	NAME	DESIGNATION	QUALIFICATION
	HITESWAR PRASAD BIRTIA	Lab. Assistant	B.Sc. HONOURS
	MUKESH MEHER	Lab. Assistant	B.Sc. in Physics
	JAGADISH CHANDRA PATEL	STORE KEEPER	B.Sc. HONOURS
	GHANASYAM PING	+3 LAB. ATTENDANT	10 th
	TIKESWAR KALO	+2 LAB. ATTENDANT	10 th

TIME TABLE

DEPARTMENT OF PHYSICS

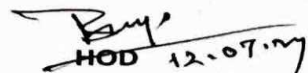
+2 AND +3 CLASS TIME TABLE

EFFECTIVE FROM: 12.07.2024

2024-2025

DAY/TIME	9.00 AM	9:45 AM	10:30 AM	11:15 AM	12:00 PM	12:45 PM	1:30 PM	2:15 PM
MON	+3 5 th sem PHY(H)-73 (BBP)	+3 5 th sem PHY(H)-73 (BBP)	+3 5 th sem PHY(H)-73 (BBB)	+2 2 ND YR PHY -29 (RRB) +3 3 rd sem PHY(H)-73 (BBB)	+3 1 ST SEM G.E-73 +3 3 RD SEM G.E-58 (BJ)	+3 1 ST SEM PHY-58 (BBB) +3 3 RD SEM PHY-73 (BBP)	+2 1 ST YR PHY -29 (BJ)	
TUE	+3 5 th sem PHY(H)-73 (RRB)	+3 5 th sem PHY(H)-73 (RRB)	+3 5 th sem PHY(H)-73 (BJ)	+2 2 ND YR PHY -29 (BBB) +3 3 rd sem PHY(H)-73 (BBP)	+3 1 ST SEM G.E-73 +3 3 RD SEM G.E-58 (BBP) BBB	+3 1 ST SEM PHY-58 (RRB) +3 3 RD SEM PHY-73 (BJ)		+2 1 ST YR PHY -29 (BBP)
WED	+3 5 th sem PHY(H)-73 (BBB)	+3 5 th sem PHY(H)-73 (BBB)	+3 5 th sem PHY(H)-73 (BBP)	+3 3 rd sem PHY(H)-73 (BJ)	+3 1 ST SEM G.E-73 +3 3 RD SEM G.E-58 (RRB)	+3 1 ST SEM PHY-58 (BJ)		
THURS	+3 5 th sem PHY(H)-73 BJ	+3 5 th sem PHY(H)-73 (BJ)	+3 5 th sem PHY(H)-73 (RRB)	+3 3 rd sem PHY(H)-73 (BJ)	+3 1 ST SEM G.E-73 +3 3 RD SEM G.E-58 (BBB) BBP	+3 1 ST SEM PHY-58 (BBB)		
FRI	+2 2 ND YR PHY -29 (BBP) +3 5 th sem PHY(H)-73 (BJ)	+3 5 th sem PHY(H)-73 (BBB)	+3 3 rd sem PHY(H)-73 (RRB)	+3 3 rd sem PHY(H)-73 (BBB)	+3 1 ST SEM PHY-58 (BBP) +3 3 RD SEM PHY-73 (BJ) +2 1 ST YR PHY-29 (RRB)	+3 1 ST SEM PHY-58 (RRB)		
SAT	+3 5 th sem PHY(H)-73 (BBP)	+2 2 ND YR PHY -29 (BJ) +3 5 th sem PHY(H)-73 (RRB)	+3 3 rd sem PHY(H)-73 (RRB)	+3 3 rd sem PHY(H)-73 (RRB)	+3 1 ST SEM PHY-58 (BJ) +3 3 RD SEM PHY-73 (BBP)	+3 1 ST SEM PHY-58 (BBP) +2 1 ST YR PHY -29 (BJ) (BBB)		

- BBB** - Mr. Bignan Bhusan Bhanja
BJ - Mr. Bijendra Jyotish
RRB - Mrs. Rashmi Rekha Behera
BBP - Mr. Bharat Bhabesh Pati


 HOD 12.07.24
 DEPT. OF PHYSICS

TIME TABLE (PRACTICAL)

DEPARTMENT OF PHYSICS +2 AND +3 PRACTICAL TIME TABLE SESSION 2024-25

EFFECTIVE FROM: ^{24.06.24} ~~17.06.2024~~

DAY/ TIME	09:00 AM	09:45 AM	10:30 AM	11:15 AM	12:00 PM	12:45 PM	01:30 PM	2:15PM
MON	+2 1 ST YR PHY -PR-GR-3 (HPB)/BBB			+3 3 RD YR PHY(H) PR (HPB)/BJ				
	+3 1 ST YR PHY(H) -PR (M.M)/RRB					+2 2 ND YR PHY -PR-GR-2 (M.M)/BBB		
TUE	+2 1 ST YR PHY PR-GR-4 (M.M)/BBB			+3 3 RD YR PHY(H) PR (M.M)/BJ				
	+3 1 ST YR PHY (H)-PR (HPB)/RRB					+2 2 ND YR PHY -PR-GR-3 (HPB)/BBB		
WED	+2 1 ST YR PHY PR-GR-2 (HPB)/BBB			+3 3 RD YR PHY(H) PR (HPB)/BBP			+3 1 ST YR GE- PR (HPB)/RRB	
	+3 2 ND YR PHY (H) -PR (M.M)/RRB					+2 2 ND YR PHY -PR-GR-4 (M.M)/BBB		
THU	+2 1 ST YR PHY PR-GR-5 (M.M)/BBB			+3 3 RD YR PHY(H)- PR (M.M)/BBP				
	+3 2 ND YR PHY (H) -PR (HPB)/BJ					+2 2 ND YR PHY -PR-GR-5 (HPB)/BBB		
FRI	+2 1 ST YR PHY PR-GR-1 (HPB)/BJ							
	+3 2 ND YR PHY (H) -PR (M.M)/BBB					+2 2 ND YR PHY -PR-GR-1 (M.M)/BBB		
SAT	+2 1 ST YR PHY PR-GR-6 (M.M)/BJ							
	+3 2 ND YR PHY GE -PR (HPB)/BBB					+2 2 ND YR PHY -PR-GR-6 (HPB)/BBB		

BBB-BIGYAN BHUSAN BHANJA
RRB – RASHMI REKHA BEHERA
BJ- BIJENDEA JYOTISH
BBP- BAHRAT BHABAES PATI
HPB- HITESWAR PRASAD BIRTIA
MM- MUKESH MEHER

[Signature]
24.06.24
HOD
DEPARTMENT OF PHYSICS

WORK LOAD

		<i>Mr. BIGNAN BHUSAN BHANJA</i>	<i>Sri BIJENDRA JYOTISH</i>	<i>Mrs. RASHMI REKHA BEHERA</i>	<i>Sri BHARAT BHABESH PATI</i>
+2	THEORY	02	02	02	02
	PRACTICAL	09	09	12	12
+3	THEORY	12	12	12	12
	PRACTICAL	06	09	06	06
TOTAL		29	32	32	32

FACULTY ACADEMIC PROGRESS (2018-2022)....

Mr. BIGNAN BHUSAN BHANJA

CONFERENCE/ WORK SHOP/ SEMINARS/ PAPER PRESENTED	SUBJECT TITLE OF THE PAPER	PERIOD	COLLEGE/UNIVERSITY
<i>National Webinar</i>	National Webinar on “High Energy Physics and its applications”	<i>26.08.2020</i>	Dept. of Physics , Seemanta Mahavidyalaya, Jharpokharia
<i>National Webinar</i>	National Webinar on “Technological advancements for Application in Forest Exploration”	<i>31.08.2020</i>	Dept. of Botany, Mizoram University, Aizawl
<i>International Webinar</i>	International Webinar on “Veda for World peace”	<i>10.09.2020</i>	Maharshi Sandipani RashtriyaVedavidya pratisthan, Ujjain and Mahrashi Vedic university, Vlodrop, Netherlands.

FACULTY ACADEMIC PROGRESS (2018-2022)....

Sri BIJENDRA JYOTISH

CONFERENCE/ WORK SHOP/ SEMINARS/ PAPER PRESENTED	SUBJECT TITLE OF THE PAPER	PERIOD	COLLEGE/UNIVERSITY
<i>Refresher Course</i>	107th Refresher Course on Experimental Physics	<i>04.06.2019 to 19.06.2019</i>	Govt. Auto. College Rourkela
<i>Orientation Programme</i>	42nd Orientation Programme	<i>28.01.2020 to 17.02.2020</i>	UGC HRDC Sambalpur University
<i>National Webinar</i>	National Webinar on “High Energy Physics and its applications”	<i>26.08.2020</i>	Dept. of Physics , Seemanta Mahavidyalaya, Jharpokharia
<i>National Webinar</i>	National Webinar on “Technological advancements for Application in Forest Exploration”	<i>31.08.2020</i>	Dept. of Botany, Mizoram University, Aizawl
<i>International Webinar</i>	International Webinar on “Veda for World peace”	<i>10.09.2020</i>	Maharshi Sandipani RashtriyaVedavidya pratisthan, Ujjain and Mahrashi Vedic university, Vlodrop, Netherlands.

FACULTY ACADEMIC PROGRESS (2018-2022)...

Sri BIJENDRA JYOTISH

CONFERENCE/ WORK SHOP/ SEMINARS/ PAPER PRESENTED	SUBJECT TITLE OF THE PAPER	PERIOD	COLLEGE/UNIVERSITY
<i>National Webinar</i>	National Webinar on “An overview of Experimental Physics and its applications”	<i>12.09.2020</i>	Jhargram Raj College Physics Alumni Association (JRCPAA) and Dept. of Physics Jhargram Raj College, West Bengal
<i>International Webinar</i>	International Webinar on “Recent Developments in Physics”	<i>13.09.2020</i>	Dept. of Physics Rural Institute of Higher Studies (R.I.H.S), Bhogorai, Balasore, Odisha
<i>International Webinar</i>	International Webinar on “Philosophical Counselling – Logic based therapy”	<i>14.09.2020</i>	Dept. of Philosophy, Panjab University, Chandigarh
<i>National Webinar</i>	National Webinar on “Understanding Copyright and Plagiarism: it’s Consequences in Academic Integrity”	<i>16.09.2020</i>	Library SubCommittee and Internal Quality Assurance Cell of Kishore Bhararti Bhagini Nivedita College(Co-Ed), Behala, Kolkata, West Bengal
<i>International Webinar</i>	National Webinar on “Energy Storage Applications and Protection of UV Radiation”	<i>17.09.2020</i>	Dept. of Chemistry, Karanjia Autonomous College, Karanjia, Odisha

FACULTY ACADEMIC PROGRESS (2018-2022)...

Sri BIJENDRA JYOTISH

CONFERENCE/ WORK SHOP/ SEMINARS/ PAPER PRESENTED	SUBJECT TITLE OF THE PAPER	PERIOD	COLLEGE/UNIVERSITY
<i>International Webinar</i>	International Webinar on “Health Care and Job Prospects in USA in Post Pandemic Scenario: A Citizen’s Perspective”	<i>18.09.2020</i>	Mizoram University, Aizawl, India
<i>National Webinar</i>	National Webinar on “Career Prospects with a Physics Degree”	<i>20.09.2020</i>	Jhargram Raj College Physics Alumni Association (JRCPAA) and Dept. of Physics Jhargram Raj College, West Bengal
<i>National Webinar</i>	National Webinar on “Exploratory Analysis and Visualization of Text Data for Research using Open Source Tools	<i>21.09.2020</i>	Manipur University Library
<i>National Webinar</i>	Rethinking Sustainable Development in Post Covid Period: From the Economic Desk	<i>22.09.2020</i>	Dept. of Economics in collaboration with IQAC of Haldia Govt. College, West Bengal
<i>International Webinar</i>	International Certified Career Coach Program (Foundation Level-1)	<i>26.09.2020 to 27.09.2020</i>	MINDLER

FACULTY ACADEMIC PROGRESS (2018-2022)...

Sri BIJENDRA JYOTISH

CONFERENCE/ WORK SHOP/ SEMINARS/ PAPER PRESENTED	SUBJECT TITLE OF THE PAPER	PERIOD	COLLEGE/UNIVERSITY
<i>National Webinar</i>	National Webinar on “Role of Chemistry in the sustainable development of society”	<i>28.09.2020</i>	Dept. of Chemistry, Pattamundai College, Pattamunadai, Kendrapara, Odisha
<i>International Webinar</i>	International Webinar on “Functionalized Nanomaterial as Pharmaceutical Adjuvant”	<i>29.09.2020</i>	Mizoram University, India
<i>Orientation Programme</i>	Teachers Training Programme	<i>19.11.2021 to 29.11.2021</i>	IISC Bangalore

FACULTY ACADEMIC PROGRESS (2018-2022)....

Mrs RASHMI REKHA BEHERA

CONFERENCE/ WORK SHOP/ SEMINARS/ PAPER PRESENTED	SUBJECT TITLE OF THE PAPER	PERIOD	COLLEGE/UNIVERSITY
<i>National Seminar</i>	National seminar attended in Physics	<i>2018</i>	Govt. Auto. College, Rourkela
<i>National Seminar</i>	National Seminar in physics (OPS)	<i>2018</i>	BJB Auto. College, Bhubaneswar
<i>National Seminar</i>	National seminar attended	<i>2019</i>	VSSUT ,Burla
<i>National Seminar (Attended)</i>	Orientation programme	<i>2021</i>	IISC, Bangalore

FACULTY ACADEMIC PROGRESS (2018-2022)....

<i>Sri BHARAT BHABESH PATI</i>			
CONFERENCE/ WORK SHOP/ SEMINARS	SUBJECT TITLE OF THE PAPER	PERIOD	COLLEGE/UNIVERSITY
<i>National Seminar (Attended)</i>	<i>National Seminar on recent development in energy harvesting and storage materials.</i>	<i>02.09.2017 to 03.09.2017</i>	<i>Dept. of Physics and Self finance course, Govt. College Rourkela.</i>
<i>Workshop (participated)</i>	<i>Workshop on Quality Assurance in Higher Educational Institutions.</i>	<i>20.09.2017</i>	<i>UGC, IQAC Cell, L.N College, Jharsuguda.</i>
<i>Workshop (participated)</i>	<i>Workshop on constitution of Equal Opportunity Centre</i>	<i>10.10.2017</i>	<i>Dept. of Social Security and Empowerment of Persons With Disabilities, Govt. of Odisha</i>
<i>Workshop (participated)</i>	<i>National workshop on “Art of Academic Writing and Publication Skills”</i>	<i>21.10.2017 to 22.10.2017</i>	<i>Gangadhar Meher university, Sambalapur</i>
<i>National Seminar (Attended)</i>	<i>National Seminar on recent advances in Physics and its application & 35th Convention of Orissa Physical Society</i>	<i>10.02.2018 to 11.02.2018</i>	<i>Dept. of Physics B.J.B Autonomous College, Bhubaneswar</i>
<i>National Seminar (Attended)</i>	<i>National Seminar on Application of Nano and Smart materials (ANSM-2018)</i>	<i>23.02.2018 to 24.02.2018</i>	<i>School of Physics, Sambalpur University</i>
<i>National Seminar (Attended)</i>	<i>National Seminar on recent development in Nano Science and Technology</i>	<i>09.09.2018 and 10.09.2018</i>	<i>Dept. of Physics and Self finance course, Govt. College Rourkela</i>

COMMUNITY OUTREACH PROGRAMMES

	NAME	PROGRAMME NAME	ACTING AS
10.12.2018	BHARAT BHABESH PATI & BIJENDRA JYOTISH	DISTRICT LEVEL SCIENCE SEMINAR- 2018	JUDGE
05.10.2019	BHARAT BHABESH PATI & BIJENDRA JYOTISH	BLOCK LEVEL SCIENCE SEMINAR	JUDGE
02.03.2022	DEPARTMENT OF PHYSICS	STUDENT EXCHANGE PROGRAMME AND CAREER COUNSELLING BY DIET, JHARSUGUDA	--
28.09.2024	BIJENDRA JYOTISH	DISTRICT LEVEL SCIENCE SEMINAR- 2024	JUDGE



Science seminar



**STUDENT EXCHANGE PROGRAMME AND CAREER
COUNSELLING BY DIET (District Institute of Education &
Training), JHARSUGUDA**

STUDENT ENROLLMENT DETAILS

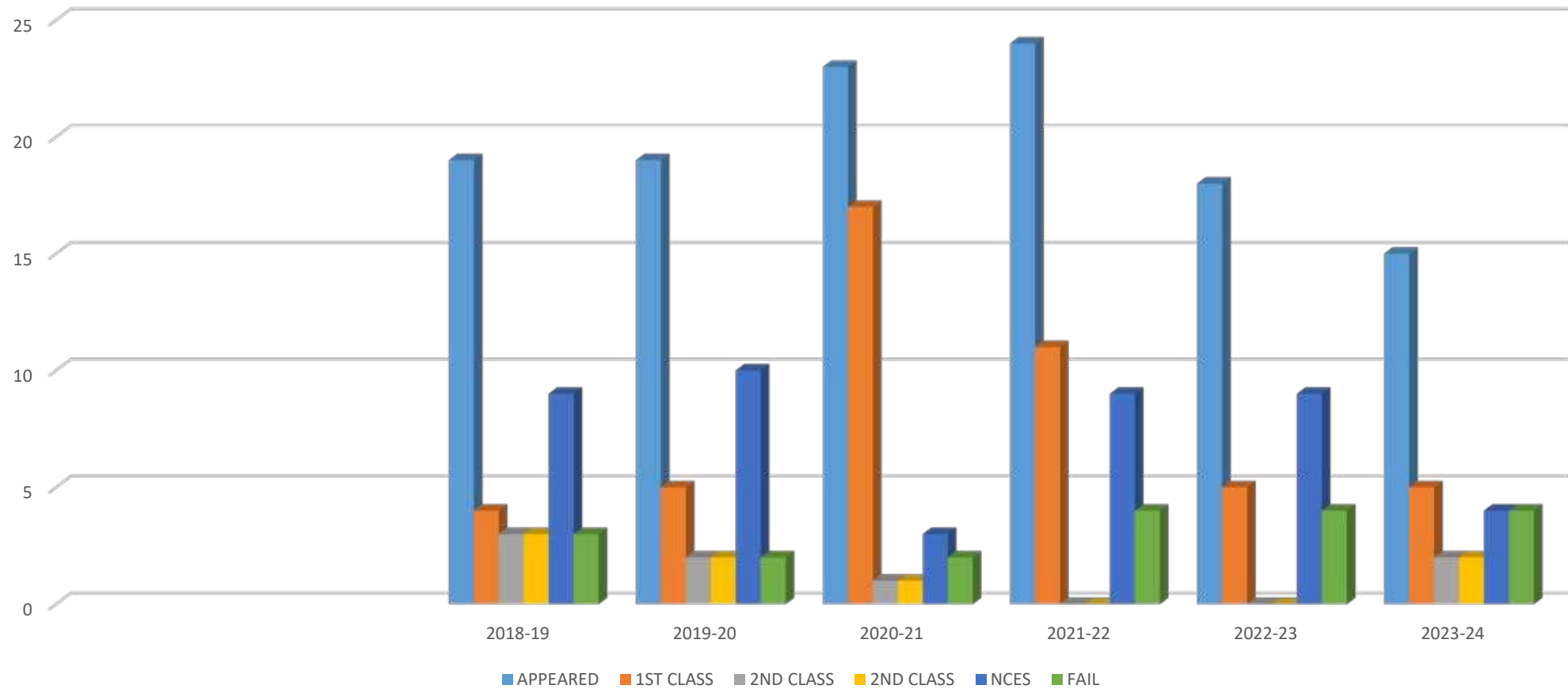
SL.NO.	YEAR	I B.Sc.	II B.Sc.	III B.Sc.
1	2018-19	23	19	21
2	2019-20	25	23	19
3	2020-21	22	25	23
4	2021-22	28	22	25
5	2022-23	22	28	22
6	2023-24	18	22	28

STUDENTS PASSED (+3 HONOURS)

SL. NO.	YEAR	APPEARED	1 ST CLASS	2 ND CLASS	NCES	FAIL	% OF PASS
1	2018-19	19	04	03	09	03	84
2	2019-20	19	05	02	10	02	89
3	2020-21	23	17	01	03	02	91
4	2021-22	24	11	00	09	04	83
5	2022-23	18	05	00	09	04	77
6	2023-24	15	05	02	04	04	73

GRAPHICAL ANALYSIS OF THE RESULT

Result Analysis



GRAPHICAL ANALYSIS OF THE RESULT

Over the six-year period from 2018-19 to 2023-24, the academic performance reflects encouraging progress and areas for growth. The pass percentage has generally been strong, peaking at an impressive 91% in 2020-21, accompanied by a record 17 first-class achievers. Despite a slight decline in pass rates in recent years, the Department continues to produce a commendable number of high-performing students, with consistent efforts to maintain quality education. The overall stability in managing NCES and failure rates suggests a foundation of support for students needing improvement. Moving forward, with focused interventions to address recent challenges and a commitment to excellence, the academic framework is well-positioned to achieve even greater success.

STUDENT'S SEMINARS...

SL.NO.	STUDENT'S NAME	CLASS	SEMINAR TOPIC	SESSION	DATE
1	POOJA DAS	+3 3 RD YR SC	Supernova Explosion	2017-2018	17.07.2017
2	SWEETY DEY	+3 3 RD YR SC	Nano Robotics		28.07.2017
3	HITESWAR PRASAD BIRTIA	+3 3 RD YR SC	Role of power beam in clean India mission		06.09.2017
4	ABHIJIT MISHRA	+3 3 RD YR SC	Is Universe Expanding		13.10.2017
5	PREETI MEHER	+3 3 RD YR SC	General Theory of Relativity		28.11.2017

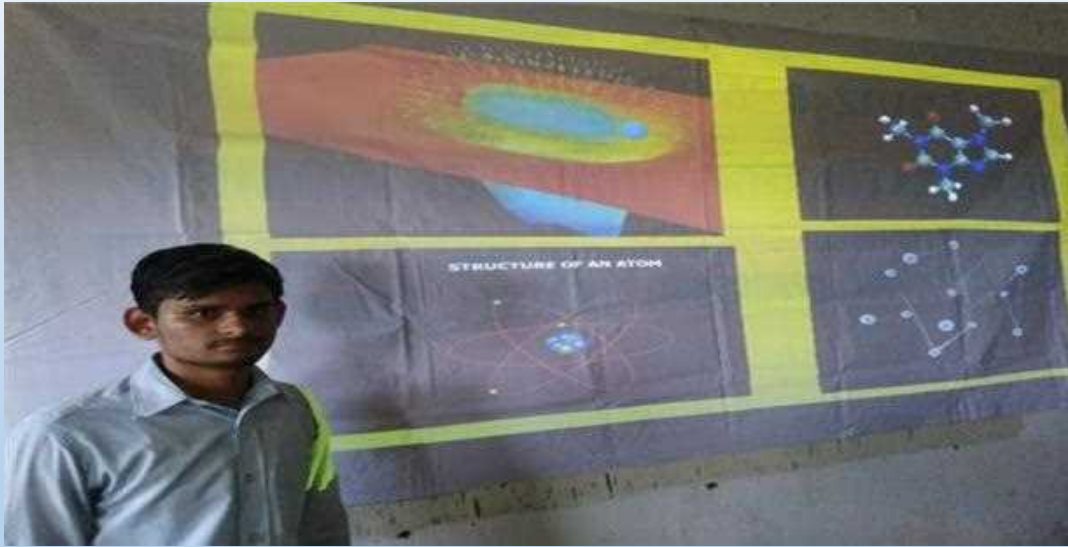
STUDENT'S SEMINARS

SL.N O.	STUDENT'S NAME	CLASS	SEMINAR TOPIC	SESSION	DATE
1	Ritesh Saraf	+3 3 rd Yr Sc	Quark	2018-19	06.08.2018
2	Gourav Sharma	+3 3 rd Yr Sc	Quantum Gravity		14.08.2018
3	Subhasish Nath	+3 3 rd Yr Sc	Dark Matter And Energy		18.09.2018
1	Anukshya Maharana	+3 3 rd Yr Sc	Superconductivity	2019-20	01.07.2019
2	Sandeep Matha	+3 3 rd Yr Sc	General Theory Of Relativity		23.07.2019
3	Binod Barbhia	+3 3 rd Yr Sc	Duality In Nature		07.09.2019
4	Joel Fabian Rodrigues	+3 3 rd Yr Sc	Vanta Black		26.11.2019
5	Arijit Sahoo	+3 3 rd Yr Sc	Fourth State Of Matter		19.12.2019
6	Nikita Kharsel	+3 3 rd Yr Sc	Li-Fi Technology		06.01.2020

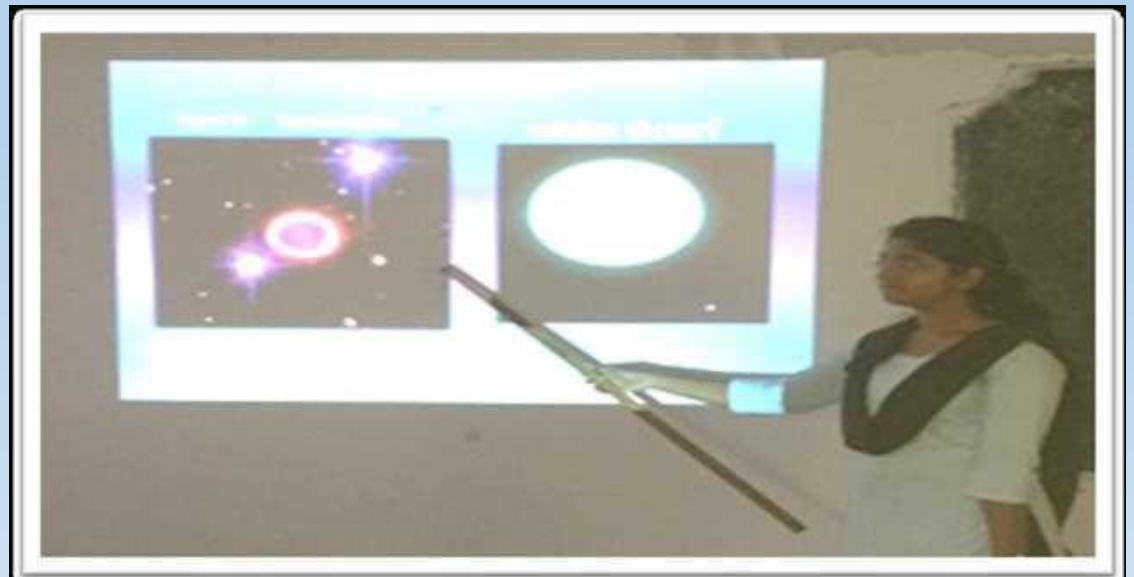
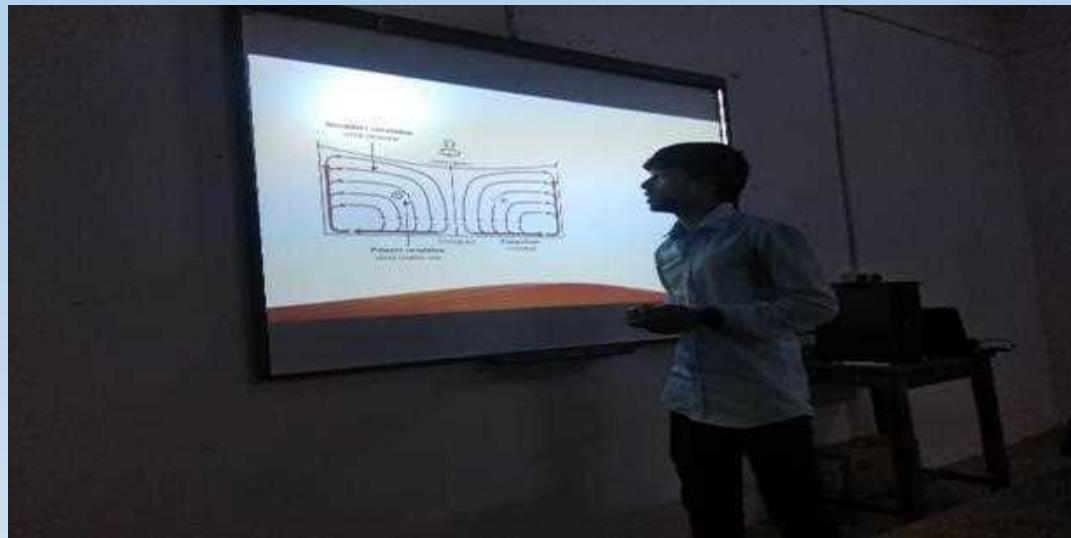
STUDENT'S SEMINARS...

SL.NO.	STUDENT'S NAME	CLASS	SEMINAR TOPIC	SESSION	DATE
1	Satya Gopal Mishra	+3 3rd Yr Sc	Photoelectric Effect	2021-22	14.09.2021
2	Supriya Bag	+3 3rd Yr Sc	Li-Fi Technology		26.10.2021
3	Hrudananda Sa	+3 3rd Yr Sc	Wireless Electricity And Power Transmission		13.11.2021
1	Sipun Kumar Satpathy	+3 3 rd Yr Sc	Black Hole	2022-23	10.09.2022
2	Dinesh Padhan	+3 2 nd Yr Sc	Big-Bang Theory		29.10.2022
3	Jagannath Gardia	+3 3 rd Yr Sc	Cosmic Microwave Background Radiation		26.11.2022
4	Aditya Singh	+3 3 rd Yr Sc	Optical Fibre Communication		17.12.2022
5	Abinash Pati	+3 3 rd Yr Sc	Quantum Entanglement		17.12.2022

SEMINAR PHOTO GALLERY



SEMINAR PHOTO GALLERY

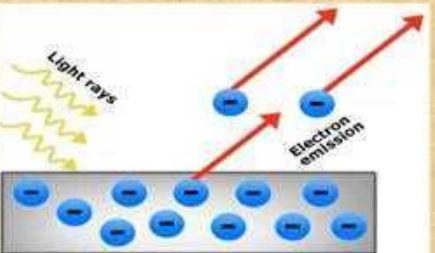


STUDENT SEMINAR IN VIRTUAL MODE

Satya Gopal is presenting

PHOTOELECTRIC EFFECT

- The ejections of electrons from the surface of a metal due to the fall of light with suitable frequency is called photoelectric effect.
- The ejected electrons are called photoelectrons.
- Photoelectric effect establishes the particle nature of radiation.
- The radiation is made up of discrete quanta called photons.



The diagram illustrates the photoelectric effect. It shows a metal surface with several blue circles representing electrons. Yellow wavy arrows labeled 'Light rays' are incident on the surface. Two red arrows labeled 'Electron emission' point away from the surface, indicating electrons being ejected.

Participants in the call:

- Satya Gopal Mishra
- BIJENDRA JYOTISH
- BIGNAN BHUSAN BH...
- Manish Meher
- Bharat Bhabesh
- Abinash Pati
- Satya Gopal
- 17 others
- You

ult-ntqd-syd

Participants in the call:

- Bharat Bhabesh
- BIGNAN BHUSAN BHANJA
- Satya Gopal
- BIJENDRA JYOTISH
- Satya Gopal Mishra
- Sipun Satpathy
- Abinash Pati
- 14 others
- You

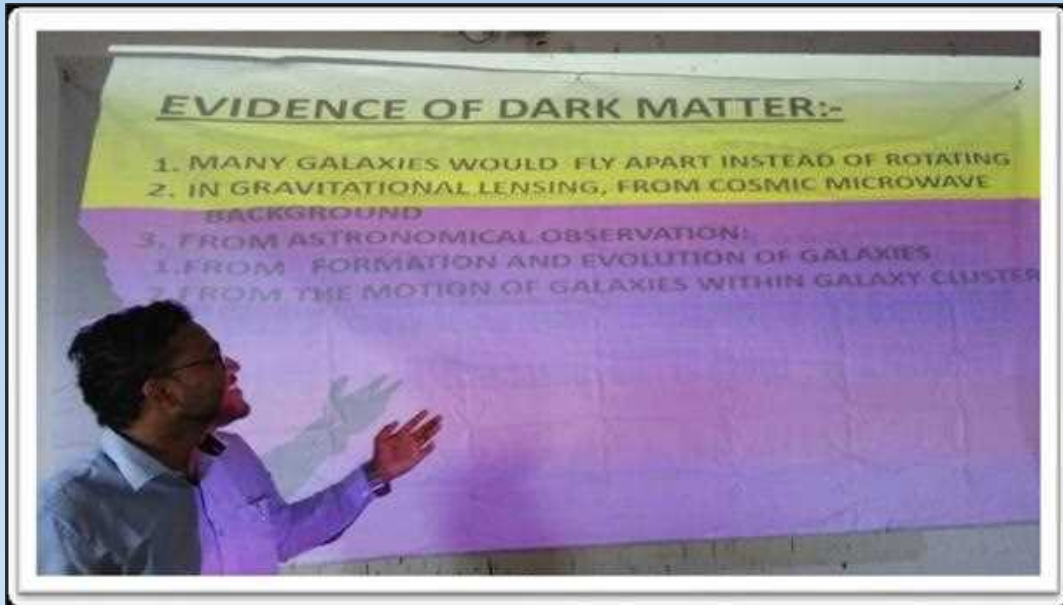
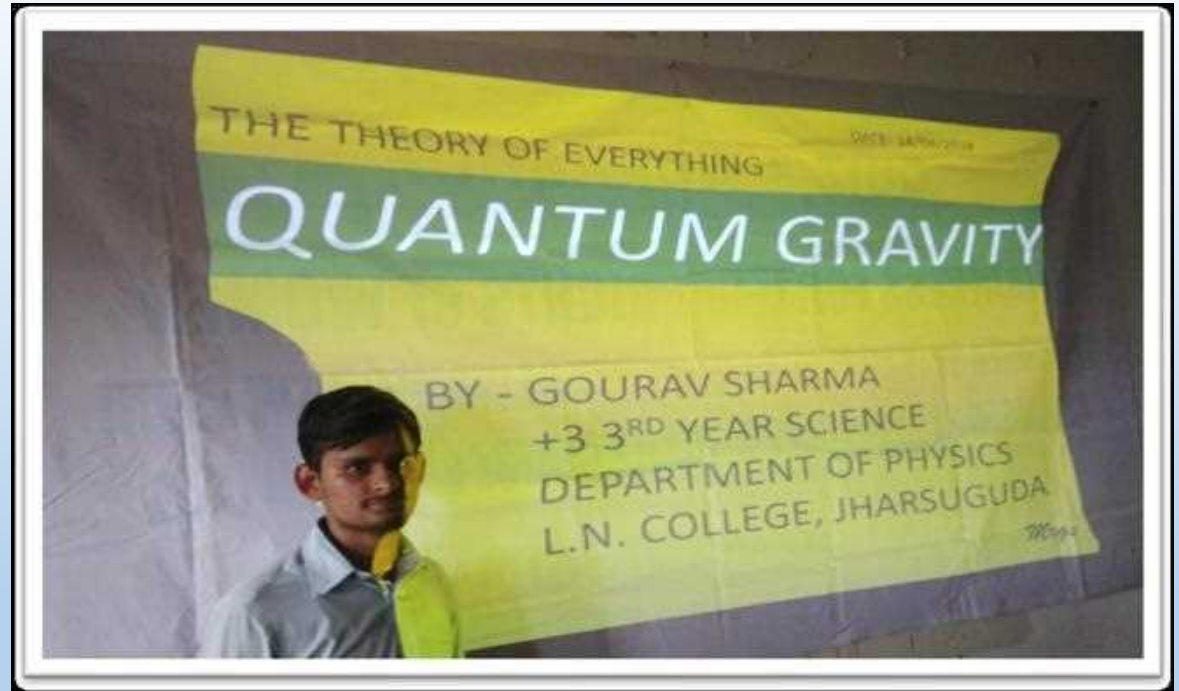
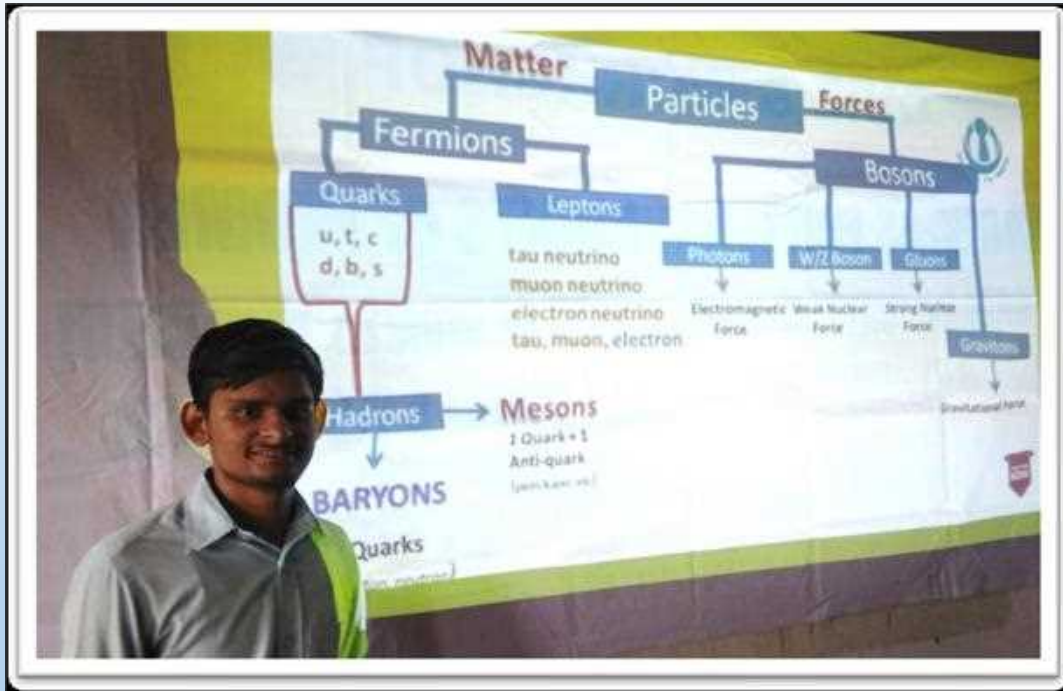
People

Search for people

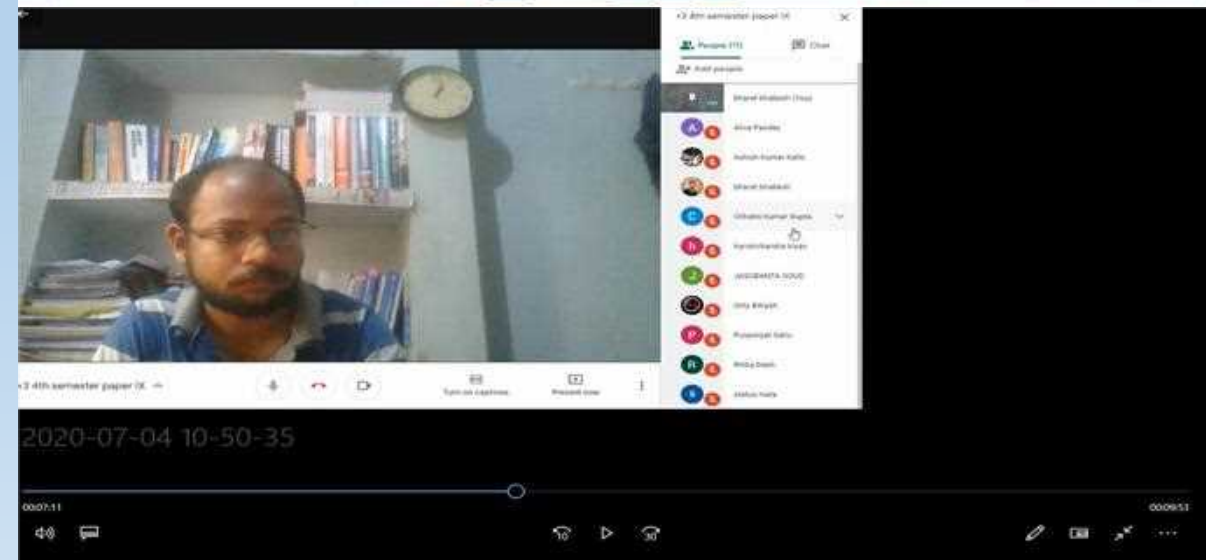
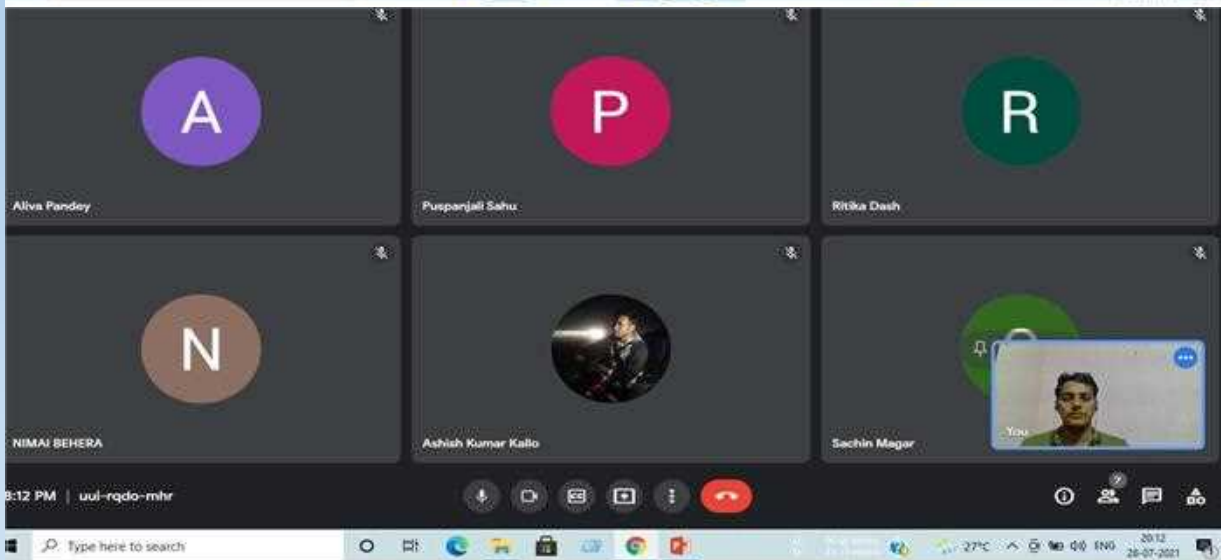
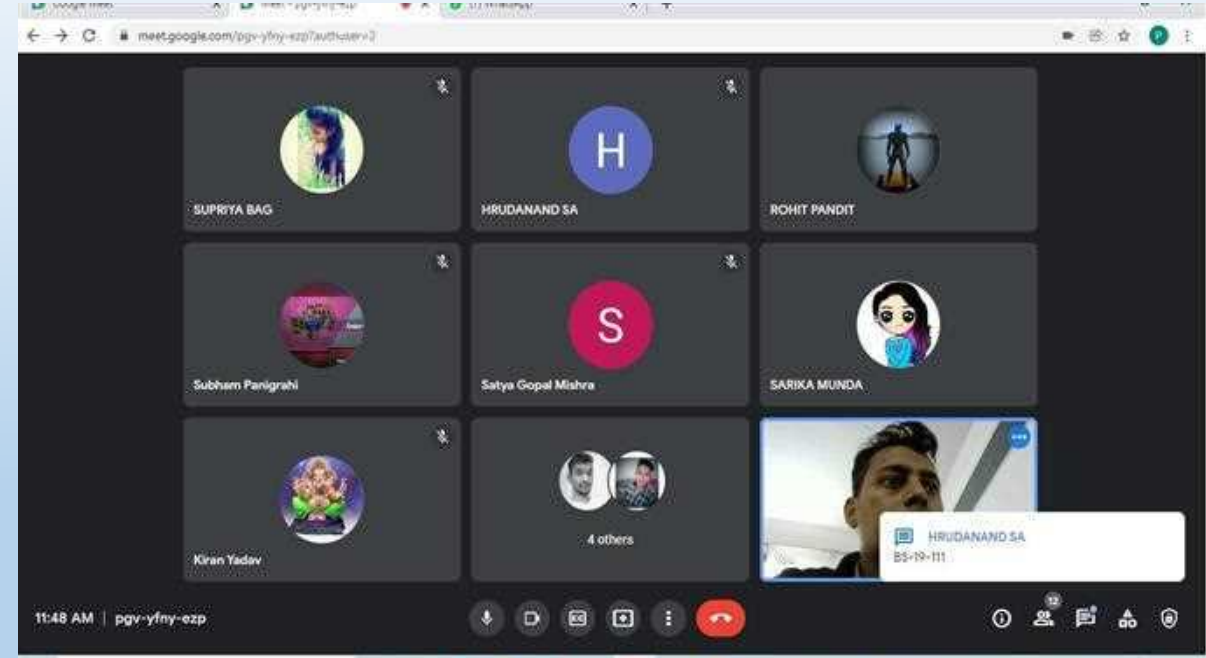
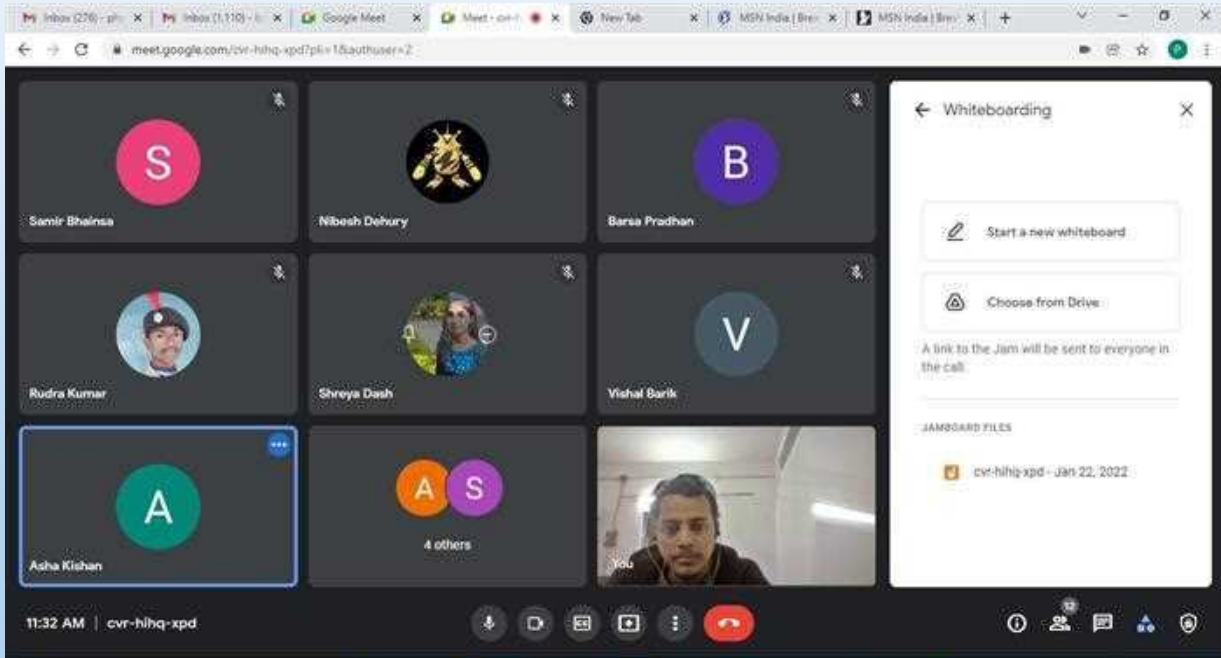
In call

- bijendrajyotish (You)
- Abinash Pati
- Aman Bharati
- Barita Patel
- Bharat Bhabesh
- BIGNAN BHUSAN BHANJA
- BIJENDRA JYOTISH Meeting host
- Bilash meher
- HRUDANAND SA

ult-ntqd-syd



CLASSES DURING COVID



SAMBALPUR UNIVERSITY HAS INTRODUCED NEW SYLLABUS (CBCS) FROM 2016-2017

I B.Sc.	I SEM	DSC-H-PHY-1	MATHEMATICAL PHYSICS-I
		DSC-H-PHY-2	MECHANICS
	II SEM	DSC-H-PHY-3	ELECTRICITY & MAGNETISM
		DSC-H-PHY-4	WAVES AND OPTICS
II B.Sc.	III SEM	DSC-H-PHY-5	MATHEMATICAL PHYSICS-II
		DSC-H-PHY-6	THERMAL PHYSICS
		DSC-H-PHY-7	DIGITAL SYSTEMS AND APPLICATIONS
	IV SEM	DSC-H-PHY-8	MATHEMATICAL PHYSICS-III
		DSC-H-PHY-9	ELEMENTS OF MODERN PHYSICS
		DSC-H-PHY-10	ANALOG SYSTEMS & APPLICATIONS

**SAMBALPUR UNIVERSITY HAS INTRODUCED NEW SYLLABUS (CBCS)
FROM 2016-2017**

III B.Sc.	V SEM	DSC-H-PHY-11	QUANTUM MECHANICS & APPLICATIONS
		DSC-H-PHY-12	SOLID STATE PHYSICS
		DSE-H-PHY-1	CLASSICAL DYNAMICS
		DSE-H-PHY-2	PHYSICS OF DEVICES & INSTRUMENTS
	VI SEM	DSC-H-PHY-13	ELECTROMAGNETIC THEORY
		DSC-H-PHY-14	STATISTICAL MECHANICS
		DSE-H-PHY-3	NUCLEAR & PARTICLE PHYSICS
		DSE-H-PHY-4	ASTRONOMY & ASTRO-PHYSICS

DEPARTMENTAL ACTIVITIES

Dept. of Physics Organised Pt. Laxminarayan Mishra Memorial Lecture-X on the topic- Fundamentals of Superconductors by Dr. Nigamananda Ojha Asst. Proff. In Physics Panchyat College Bargarh on 28.12.2020 through virtual mode

Department of physics, Laxminarayan college
Organizes
**PANDIT LAXMINARAYAN MISHRA
MEMORIAL LECTURE-X**
Topic: Fundamentals of Superconductor



Date: 28/12/2020
Time: 11:30 am

Organizing Committee:
Mr. Bignan Bhusan Bhanja
Mr. Bijendra Jyotish
Mr. Bharat Bhabesh Pati
Mrs. Rashmi Rekha Behera

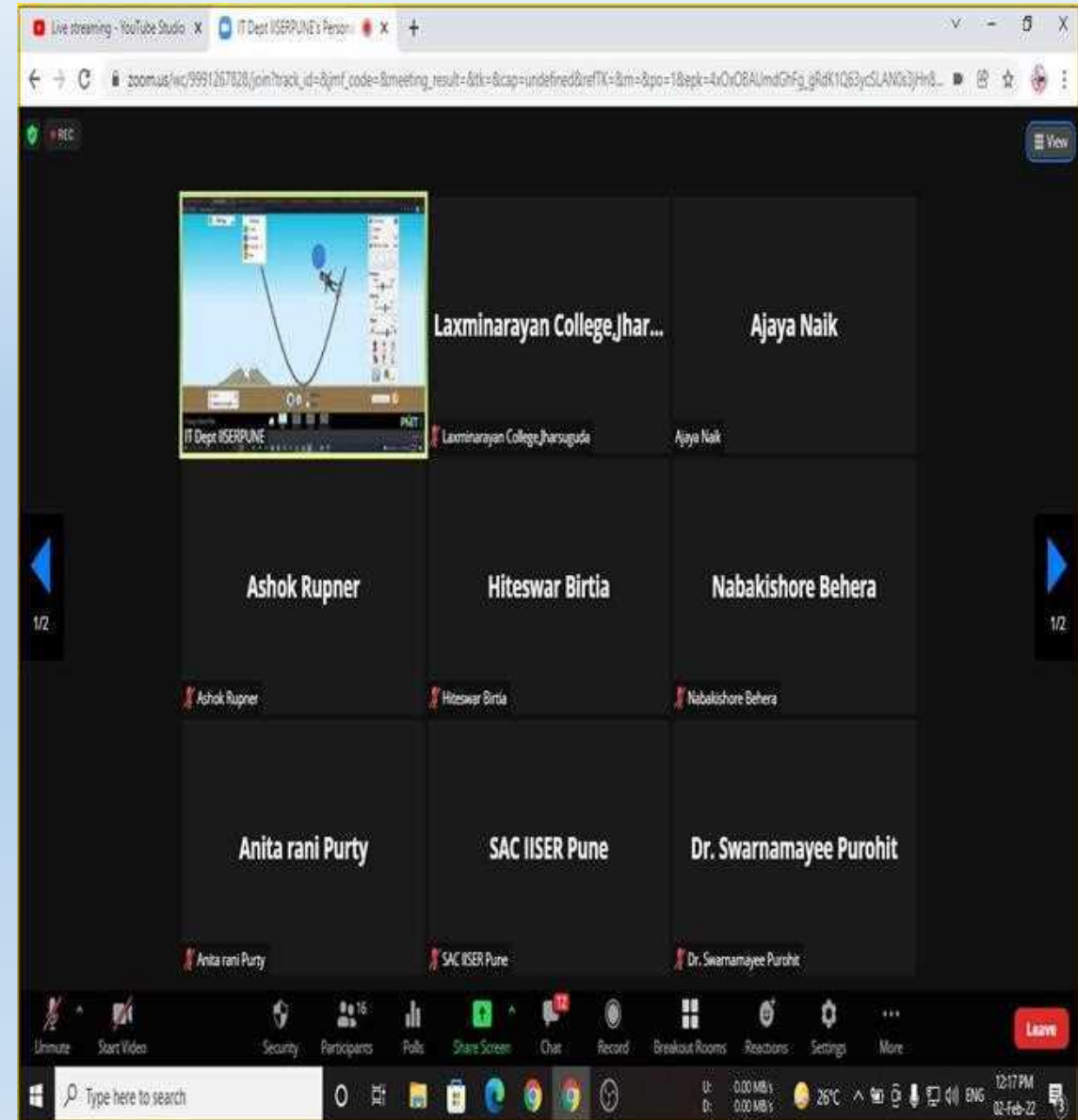
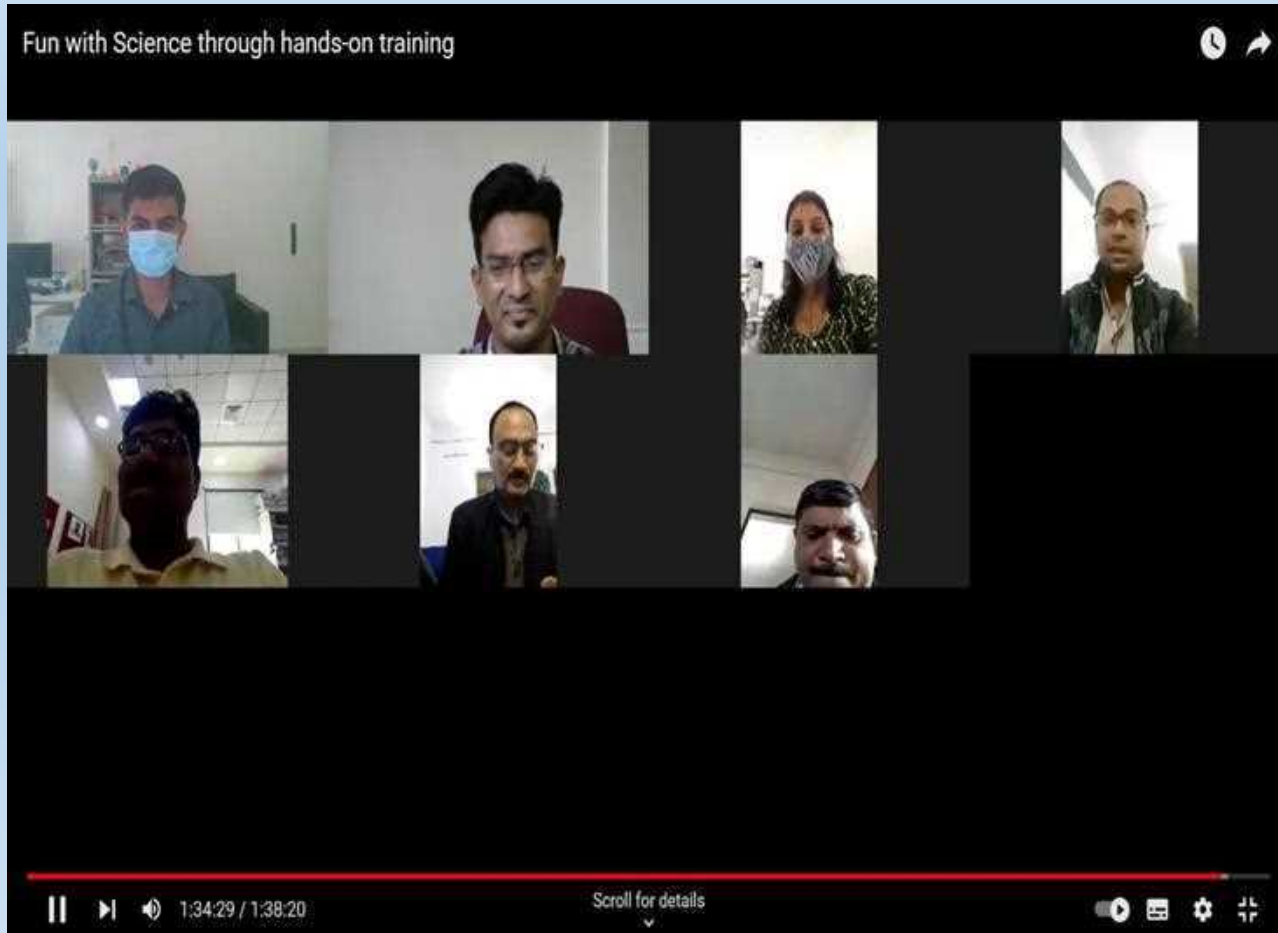
Speaker: Dr. Nigamananda Ojha
Asst. Professor, Panchayat College, Bargarh

Prof. Bibhuti Bhusan Dash
Convener

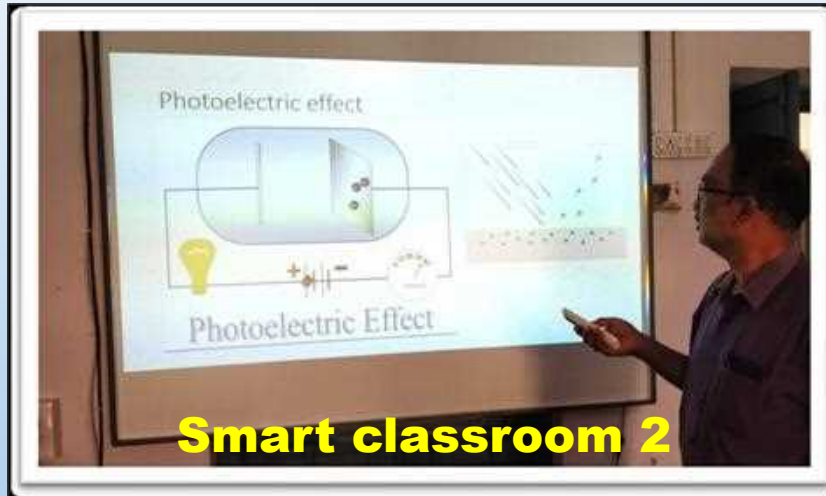


DEPARTMENTAL ACTIVITIES

An Hands-on Activities in the topic Fun with Science and Mathematics Organised by Dept. of Physics L.N College, Jharsuguda in collaboration with IISER PUNE on 02.02.2022 through Online Mode



FACILITIES



PRACTICAL CLASSES





STUDENTS PROGRESS AFTER UG

STUDENTS NAME	PASSING YEAR	QUALIFIED ENTRANCE EXAM	PERSUING HIGHER STUDY/EMPLOYED	UNIVERSITY/DEPARTMENT
ABINASH PATI	2023	CUET-2023	PG IN GEOPHYSICS	PUDUCHERY UNIVERSITY
SIPUN KUMAR SATPATHY	2023	CUET-2023	PG IN PHYSICS	GURU GHASIDAS VISHWAVIDTALAYA, BILASPUR
RITIKA DASH	2021	CPET-2021	PG IN PHYSICS	G.M UNIVERSITY, SAMBALPUR
ALIVA PANDEY	2021	CPET-2021	PG IN PHYSICS	GOVT. AUTO. COLLEGE, ROURKELA
PUSPANJALI SAHU	2021	SAAT-2022	MCA	INST. OF INFORMATION TECHNOLOGY, SAMBALPUR UNIVERSITY
ASHISH KUMAR KALO	2021	NET-JRF	PHD	UNIVERSITY OF DELHI
SATYAGOPAL MISHRA	2020	CPET-2020	PG IN PHYSICS	GOVT. COLLEGE SUNDARGARH
PARDOOM PANDIT	2020	OJEE-2020	MCA	GANDHI INSTITUTE OF TECHNOLOGY
SUBHASISH NATH	2019	B.ED ENTANCE	B.ED	CENTRAL UNIVERSITY HARIYANA
TUSARA PADHAN	2019	OSSC	GOVT. JOB (PEO)	REVENUE AND DISASTER MANAGEMENT DEPT. GOVT. OF ODISHA
TOSHAN SETH	2019	PERSONAL INTERVIEW	MARKETING MANAGER	RELIANCE DIGITAL PVT. LTD

SWOC ANALYSIS

STRENGTH

- ❖ Sufficient qualified, motivated and competent faculty with a blend of high experience and young and energetic dynamism.
- ❖ Faculty participation in Seminars, Workshops and Conferences.
- ❖ Well-equipped seminar library with sufficient number of books.
- ❖ Supporting weaker students through remedial and tutorial classes.
- ❖ Teaching through advance methods like power point presentation and smart board teachings.

SWOC ANALYSIS...

WEAKNESS

- ❖ No Research facilities.
- ❖ The majority of students come from poor Socio economic background.
- ❖ Most of the students have no good academic background.
- ❖ Poor attendance of the students as most of the students coming from distant places.

SWOC ANALYSIS...

OPPORTUNITIES

- ❖ Students passing with Physics Honours go for higher studies in different Universities, NITs, etc.
- ❖ A few students have also joined different Research Centers, jobs in education sector and other fields.
- ❖ The faculties are also very active in extension programmes, in reaching out to student and the general public, through providing consultation during science exhibitions, science seminars etc.
- ❖ Training of staff, both teaching and non-teaching will enhance quality.
- ❖ If increased employment avenues the quality will be enhanced.

SWOC ANALYSIS...

CHALLENGES

- ❖ Students from rural background with low socio-economic and educational status.
- ❖ Skill development for better employability to make the students competitive.
- ❖ Limited scope for innovation in curriculum design as the syllabus prescribed by the university is strictly followed. Non flexibility of curriculum is always a challenge.
- ❖ Students need to score high score to compete with the students of other higher educational institution to get seat in universities.

PICNIC/STUDY TOUR

SL.NO.	YEAR	PLACE OF VISIT
1	2018-19	SARAFGARH DAM, SUNDARGARH
2	2019-20	PRADHANPAT WATERFALL, KURUDKUT HYDROELECTRIC POWER PROJECT, DEOGARH
3	2022-23	KANAKUND GRAND CANYON OF ODISHA, SUNDARGARH
4	2023-24	DEBRIGARH WILD LIFE SANCTUARY ,HIRAKUD DAMRESERVOIR & DR. A.P.J ABDUL KALAM PLANETORIUM, BURLA





Thank you