



KOLHAN UNIVERSITY

CHAIBASA, WEST SINGHBHUM

JHARKHAND PIN - 833201

Date :

Authorization Letter by Competent Authority

This is to hereby certified that the following students are authorized for doing research projects in the University department of Physics for completion of their post graduate degree in the department of Physics, for the session 2019-2021, Kolhan University, Chaibasa.

Programme Name	Programme Code	Session	List of students undertaking field projects/ research projects/ internships	Roll No. of students undertaking field projects/ research projects/ internship	Title of Research Project	Place of Work
MSc PHYSICS	ECPHY404	2019-2021	LAXMI TAISUM	202606506075	LIGHT ABSORPTION THROUGH PLANTS LEAVES	Kolhan University Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	ABINASH PRADHAN	202606506087	SUPERCONDUCTING PROPERTIES OF MgB ₂	Kolhan University Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	PUSHPA HANSDA	202606506095	NEGATIVE REFRACTIVE INDEX OF MATERIAL	Kolhan University Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	LEENA MOHANTA	202606506058	COSMIC RAYS	Kolhan University Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	RAMRAI CHAKI	20260506054	GENERALISED FREQUENCY DIVISION MULTIPLEXING 5G CELLULAR SYSTEMS	Kolhan University Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	MANASMITA SAHOO	20260506060	GENERALIZATION OF NOETHER'S THEOREM IN CLASSICAL MECHANICS	Kolhan University Chaibasa

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MSc PHYSICS	ECPHY404	2019-2021	BIKRAM BARIK	20260506070	THE SUPERMASSIVE BLACK HOLE	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	DEEPAK MAHATO	20260506052	SMART HOME ANTI-THEFT SYSTEM: A NOVEL APPROACH FOR NEAR REAL TIME MONITORING AND SMART HOME SECURITY FOR WIRELESS PROTOCOL	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	ANUJ KUMAR PRADHAN	20260506088	MULTIFERROIC AS SMART MATERIALS	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	MUKTIRANJAN MOHANTA	20260506078	IMPERFECTION IN CRYSTALS AND THEIR USE	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	SUPRIT SAMPADAN NAYAK	20260506097	MECHANICAL PROPERTIES OF SOLIDS	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	PRASNAJIT MANDAL	20260506081	SYNTHESIS AND STRUCTURAL ANALYSIS OF "Sr-DOPED BARIUM MAGNESIUM NIOBATE CERAMICS"	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	SUBHASMITA PRADHAN	20260506083	GRAVITATIONAL WAVES	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	LUBNA DAS	20260506092	QUANTUM DOTS	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	BADAL KUMAR MAHANTA	20260506089	PROJECT ON CELL-PHONE-BASED PLATFORM FOR BIOMEDICAL DEVICE DEVELOPMENT AND EDUCATION APPLICATIONS	Kolhan University, Chaibasa

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MSc PHYSICS	ECPHY404	2019-2021	BIDYUTPRAVA MOHANTA	20260506090	POSITION SENSITIVE DETECTOR	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	SWETA SINHA	20260506098	BLACK HOLE	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	SATYASHREE MOHANTA	20260506096	SPECTROPHOTOMETER	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	UTPAL BHAKAT	20260506086	VISIBLE LIGHT COMMUNICATION FOR AUDIO SYSTEM	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	DIVYA CHOUDHRI	20260506057	HIGH POWER ULTRAFAST LASERS	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	LOVELY PAT PINGUA	20260506059	GRAVITATIONAL RADIATION	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	SWATI SUCHARITA PRADHAN	20260506085	OPTICAL FIBER	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	SASMITA SAHOO	20260506064	LI FI TECHNOLOGY	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	BALRAM HANSDAH	20260506069	CARBON NANOTUBES	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	SHRAVAN KUMAR TUDU	20260506051	GENERALISED FREQUENCY DIVISION MULTIPLEXING 5G CELLULAR SYSTEMS	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	SUMAN MOHANTY	20260506084	QANTUM COMPUTATION	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	NAMITA MOHANTA	20260506093	THEORY OF GRAVITATIONAL WAVES	Kolhan University, Chaibasa

MSc PHYSICS	ECPHY404	2019-2021	PRADEEPTA ACHARYA	20260506080	LASER INTERFEROMETER GRAVITATIONAL WAVE OBSERVATORY	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	MAHABIR MAHATO	20260506077	SEARCHING FOR LIFE POSSIBILITY ON EXOPLANET	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	SHIBSANKAR MANDAL	20260506065	NEUTRINO OSCILLATIONS	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	DIPTIMAYEE MAHAPATRA	20260506073	SOCIO-ECONOMIC IMPACT OF SOLAR HOME SYSTEM IN BANGLADESH	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	NUPUR KAR	20260506094	FM STATION	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	POONAM KUMARI GOPE	20260506079	SOLAR ENERGY	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	PADMABATI MAHATO	20260506055	HIGH TEMPERATURE SUPERCONDUCTIVITY	Kolhan University, Chaibasa
MSc PHYSICS	ECPHY404	2019-2021	RANJEET PRADHAN	20260506082	HIGH SPEED DATA SIGNAL TRANSMITTER AND RECEIVER OF AUDIO USING Li-Fi TECNOLOGY	Kolhan University, Chaibasa

Thanking you.

H.O.D.

University Department of Physics
Kolhan University, Chaibasa

Dean

Faculty of Science