

Faculty Profile

Santipur College

Department of Physics

General Information



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|------------------------|--|
| Name | Subhayu Choudhury |
| Designation | Assistant Professor |
| Date of joining | 24.12.2019 |
| Address | Vill-Ramkrishna Pally ,P.O.- Karimpur, Dist-Nadia, West Bengal, Pin-741152 |
| Contact E-mail | subhayukarimpur@gmail.com |
| Mobile | 6296645150 |
| Academic Qualification | M.Sc, B.Ed |

Research And Publication

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|------------------------|------------|--|---|
| Area of Specialization | | Electronics | |
| Research interest | | Condensed matter Physics, Computational Physics | |
| Paper Publication | | | |
| Sl. No. | Date | Title | Publisher / Other Information |
| 1 | 15.02.2025 | A Short Review of Some Recent Applications of Photonic Crystals | IERJ Vol.11 https://doi.org/10.5281/zenodo.15584541 |
| 2 | 25.07.2024 | A Review of the Sol- Gel process and its Application | IERJ Vol.10 https://doi.org/10.21276/IERJ244498563256 |

| | | | <u>48</u> |
|---|-------------|---------------------|--|
| Talks/ Paper or Poster Presentations/ Chairing Sessions/ Seminar/ Webinar/ Workshop/ RC/ OP/ Short term Course/ Any Other attended | | | |
| Sl. No. | Date | Title /Event | Place /Organiser/ Other Information |
| 1 | | | |
| 2 | | | |

Institutional Responsibilities

| Portion of syllabus allotted | | |
|-------------------------------------|--------------------------------------|---|
| Semester | Major/ Minor/ SEC/ MDC/ Other | Topic allotted |
| Semester 1 | Major | Introduction to probability (Distributions), Dirac Delta function, Introduction to programming in Python/Fortran/Matlab/C/C++ (Practical) |
| Semester 2 | Major | Function Generators, Q-meter block diagram and principle, Digital Multimeter, Python Programming(Practical) |
| Semester 3 | Major | Ocean energy, Geothermal Energy, Electricity and Magnetism(practical) |
| Semester 4 | Major | Polarization, Electronics(Practical) |
| Semester 5 | Major | Fermi-Dirac Statistics, General Properties of Nuclei, Nuclear Models, Operational Amplifiers (Black Box approach), Sinusoidal Oscillators, Nuclear Models, Digital and Analog |

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|---------------------------------|-------------------------------------|---|
| | | Circuits(Practical) |
| Semester 6 | Major | Superconductivity, Band theory, Dissertation, Application of Nanomaterials.solid state(practical) |
| Institutional Committees | | |
| Sl. No. | Name of Committee | Member / Convener |
| 1 | NSS Committee | Member |
| 2 | Leave Committee | Member |
| 3 | Academic Audit Committee | Member |
| 4 | Website Committee | Member |
| 5 | Eco Club | Member |
| 6 | Technological Upgradation Committee | Member |