

# CHETANATH NEUPANE

Kerabari-7, Morang, Nepal

[Email:neupanechetanath@sxc.edu.np] — Blog: <https://chetanathneupane.com.np/>

## EDUCATION

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### St. Xavier's College, Kathmandu

M.Sc. graduate Student

[Elective course: Computational Physics]

[Non-credit course attended: Biophysics and Medical Physics, **2 semester course**)]

2016 - Present

Major: **Astrophysics**

2016 - 2017

### Mahendra Morang Adarsha Multiple campus, Biratnagar

B.Sc in Physics completed with First Division;(Courses: Physics, Chemistry, Mathematics)

2010 - 2014

## TECHNICAL STRENGTHS

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### Computer Languages :-

C/C++, Java (AstroImageJ), Python (Astropy, AstroML, SciPy)

### Software & Tools :-

ML, AI, MATLAB, LaTeX, ROOT, CaloGAN, MD and MC simulation

### Operating systems :-

Ubuntu (Linux), MS Windows

## ACADEMIC ACHIEVEMENT

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Ranked number one in the final exam of **M.Sc.** third semester conducted by **Dean office**, Tribhuvan University, **2017**

—[Score: **GPA 4**(out of 4)]

## APPOINTMENTS

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### International Association of Physics Students (IAPS)

(*Editorial board member of its Journal (jIAPS,France) for year 2019*)

Dec 2018 - Present

### First Asia Regional Conference on Astronomy and Space Science Organize by Global Hands on Universe (GHO�, USA)to be held in Nepal

(*LoC and SoC member of the conference*)

7-9 Mar, 2019

### First National Space Meet, Nepal

(*Local organizing committee member*)

21 July, 2018

### Department of physics, St. Xavier's college

(*Managing editor of 'New Dimension Magazine'*)

2017-2018

### Insight Illumination Research Club, Kathmandu

(*Education and outreach coordinator*)

2017-2018

## PARTICIPATIONS AND PRESENTATIONS

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### First Nepal Winter School in AI (and ML)

(*NepAl Applied Mathematics and Informatics Institute for Research*)

20-30 Dec, 2018

### ICTP-IIT Bombay Workshop on Neutrino Physics

(*Department of Physics, Indian Institute of Technology, Mumbai*)

14-18 Dec,2018

**Training Workshop on Scientific Writing** 21-25 June, 2018  
(Research Centre for Applied Science and Technology (RECAST) and UGC,Nepal)

**International Conference on the Use of Space Technology for Water Management** 2018  
(Organized by United Nations office for the Outer Space Affairs (UNOOSA)in Islamabad)

**Two day workshop on LaTeX** 10-11 Dec, 2017  
(Organized by Department of Physics, St. Xavier's College)

**South Asian High Energy Physics Instrumentation Workshop on Detector Technology and Applications (SAHEPI)** 20-21 June, 2017  
(Jointly Organized by Kathmandu University and CERN)

**International Conference on Emerging Trends in Biological, Chemical Physical Sciences** 9-11 Dec, 2016  
(Organized by Biologix Research and Innovation Centre, India)

**Four Day Workshop on LASER and Its Applications** 14-17, 2016  
(Organized under the collaboration of Sogang University, Korea and St. Xavier's College, Nepal)

**National Workshop on New Research Trends in Physics** 3-5 Dec, 2015  
(Organized by Department of Physics, St. Xavier's College, Nepal)

#### INVITED TALKS PRESENTED

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**Science for Society** Nov 7, 2018  
(Presented at Shree Sarwajanik Higher Secondary School, Kerabari-7, Morang)

**Equal Rights on Space and its Data** 28 Feb 2018  
(Presented in UNOOSA conference, Islamabad)

**Positron Emission Tomography (PET); its Uses, Applications and Limitations** 22 June, 2017  
(A talk presented to B.Sc and M.Sc. students of Department of Physics)

**Copenhagen Interpretation in Quantum Mechanics and its Beauty** 12 Aug, 2016  
(A invited talk presented at St. Xavier's College, Nepal)

#### RESEARCH INTERESTS

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Astrobiology:- a) Origin and Evolution of Life on Earth; b) Life in Extreme Environments  
Astrophysics :- a) Galaxy Formation and Evolution; b) High Energy Astroparticle Physics  
Exoplanet :- a) Habitability, Life and Biosignatures in the Solar System; b) Space Exploration

#### LANGUAGE FLUENCY

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(English, Nepali, Hindi)

#### REFERENCE

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Dr. Binod Adhikari (Professor in Astrophysics)  
Email: binod.adhikari@sxc.edu.np

CV last updated 12 January, 2019