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| Name of Faculty   | Dr. NEELIMA AGARWAL  |           |  |
| Designation   | Assistant Professor  |           |   |
| Nature of Job/Appointment   | Regular  |           |   |
| Date of Joining   | 18-06-2018   |           |   |
| E-mail  | neelimaagarwal_physics@cbit.ac.in  |           |   |
| Education Qualifications  | Name of the Degree   | Class     |   |
| Ph. D   | Doctor of Philosophy (Theoretical High Energy Physics)   | Awarded   |   |
| PG  | M. Sc Physics, IIT Delhi.  | 8.07 CGPA |   |
| UG  | B. Sc, CCS Univ., Meerut.  | First     |   |
| Work Experience   |  |           |   |
| Teaching  | 5 Years  |           |   |
| Research  | 7years   |           |   |
| Industry  | -  |           |   |
| Others  | -  |           |   |
| Area of Specialization  | Theoretical High Energy Physics (QCD)  |           |   |
| Professional Memberships  | Young Associate of Regional Center for Accelerator based Particle Physics (RECAPP) 2008, HRI, Allahabad, India.  |           |   |
| Responsibilities held at Institution Level  | Research Coordinator of Basic Sciences from July 2018- June 2019.  |           |   |
| Responsibilities held at Department Level   | <ol style="list-style-type: none"> <li>1. Research Coordinator of Physics from July 2019- till date.</li> <li>2. Human values and Ethics Coordinator in Induction Programme from 15th July -19 th Aug 2019.</li> <li>3. Department Library In-charge from July 2018- June 2019.</li> </ol>   |           |   |
| Research Guidance   | -  |           |   |
| Awards Received   | <ol style="list-style-type: none"> <li>1. CSIR-UGC Senior Research Fellowship (SRF), 2008, India.</li> <li>2. JEST (Joint Entrance Screening Test for Ph. D program in Physics), 2003, India.</li> <li>3. Gold Medal in B. Sc, CCS University Meerut, 2001, India.</li> </ol>  |           |   |
| Courses Handled at Under Graduate / Post Graduate Level.  | Engineering Physics, Applied Physics, IMET, Physics (Biotech and Chemical)   |           |   |
| No. of Papers Published   | National Journals –  | --        | International Journals – 07   |
|   | National Conference –  | --        | International Conference – 02   |
| Projects Carried out  | -  |           |   |
| Patents   | -  |           |   |
| Technology Transfer   | -  |           |   |
| <b>Invited Speaker</b>  | <ol style="list-style-type: none"> <li>1. Invited Guest lectures in GIAN at IITH during Dec 4th-13th 2018.</li> </ol>  |           |   |
| No. of Books/Chapter Published with details   | -  |           |   |
| Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Trainings (Attended and/or Organized). | <ol style="list-style-type: none"> <li>1. Bodhi and safe tree: A hands on workshop on online teaching on 20th June 2020 organised by IIT Bombay.</li> <li>2. An online Workshop on 'Social Responsibility and Community Engagement' on 17th June 2020, CBIT.</li> <li>3. National level one week online training on "Sci Lab – Computational Software" organized by Government Degree College for Women (A), 8th -13th June 2020.</li> <li>4. Webinar on ' How to publish articles in infographic tools" being organised by IQAC, Rai university, Ahmedabad on 4th June 2020.</li> <li>5. A one week FDP on 'Outcome Based Education' organised by CBIT from 28th May- 2nd June 2020.</li> <li>6. One week Webinar Lecture Series on "Modern Physics and Materials Science" held from 26th-30th May 2020 organised by Holkar institute, Indore.</li> <li>7. Webinar on 'ACS Guide for Scholarly communications expert advice for early career researchers' being organised by ACS Publications on 27th May 2020.</li> <li>8. Webinar on 'Cyber security' by Sri indu Institute of Technology on</li> </ol> |           |   |

26 th May 2020.

9. Awareness Program on Outcome Based Education organised by MLR institute of technology on 22nd May 2020.
10. A 4 weeks course on 'Blended Learning and Practice' organised by Athabasca University, Canada, from 19th April- 17th May 2020.
11. 'Effective and Efficient Online Teaching in the Age of Corona: A Hands-On Workshop on Saturday, 16 th May 2020, organised by IIT Bombay.
12. Attended Covid -19 awareness programme organised by Global institute of Health care management on 16th May 2020.
13. Attended Faculty Programme on NBA on 5th May 2020.
14. Organised Guest Lecture by Prof. Eric Leanen, University of Amsterdam on 'Higgs Physics and its Prospects' on 17th Feb 2020 at CBIT.
15. A 4 weeks course on 'Effective engineering by NPTEL from Feb 2020.
16. Co-coordinated a four day international conference on 'Precision QCD@LHC' from 28th Jan - 31st Jan 2020 at IIT Hyderabad.
17. Organised a one day Workshop on 'Recent trends in Material Science and its applications in Engineering' on 20th Nov 2019 at CBIT.
18. A 16 weeks Annual Refresher course (ARPIT) on 'Quantum Physics and its applications' by NPTEL from Sept - Dec 2019.
19. Organised 12 Lectures on 'Human Values and Ethics' in Induction Programme in July - Aug 2019 at CBIT.
20. Organised one day seminar on 'Physics and its Applications in Engineering' on 13th March 2019 at CBIT.
21. Organised Colloquium on 'Anthropology of Science, Research and Media' on 7th March 2019 at CBIT.
22. GIAN lectures at IITH during Dec 4th-13th 2018.
23. Faculty Development Programme on ' Transforming into better performers' Nov 27 - Dec 01, 2017, CBIT, Hyderabad, India.

#### **International/National Journals from the Year 2017**

1. Multiparton webs beyond three loops, N Agarwal, A Danish, L Magnea, S Pal, A Tripathi, Journal of High Energy Physics 2020 (2003.09714), 1-52202 ( IF: 5.8 in 2020)
2. Resummed transverse momentum distribution of pseudo-scalar Higgs boson at NNLO<sub>A</sub>+NNLL, N Agarwal, P Banerjee, G Das, PK Dhani, A Mukhopadhyay, V Ravindran, Journal of High Energy Physics 2018 (12), 105,2018 ( IF: 5.54 in 2018)