


INDIVIDUAL TEACHER'S PROFILE

1. Name of the Teacher		Dr. Arpan Kool		
2. Picture				
3. Mobile No.		+91-9432928222		
4. Email Id.		akphysics89@gmail.com		
5. Academic Qualification	Degree	Specialization	Board/ University	Division/ Grade
	Ph.D	Materials Science	JADAVPUR UNIVERSITY	NA
	M.Sc.	Physics	JADAVPUR UNIVERSITY	First Class
	B.Sc.	Physics Honours	JADAVPUR UNIVERSITY	First Class with distinction
6. Present Designation		Assistant Professor		
7. Teaching Experience		4 years		
8. Research Interest Area		Materials Science (Energy, environmental and bio-medical applications of nano materials, thin film composites and functional biomaterials)		

9. Convenership of Sub-Committees		AID-FUND Sub-Committee		
10. Membership of Administrative bodies/ Sub-Committees		<ol style="list-style-type: none"> 1. Admission Sub-Committee 2. Examination Sub-Committee 3. Establishment Sub-Committee 4. Games and Sports Sub-Committee 5. Grievance Redressal Cell Sub-Committee 6. Students' Development and Service Cell 7. Development and Service Cell for girls 8. Library Sub-Committee 9. Election Sub-Committee 		
11 Membership of Learned Societies		<ol style="list-style-type: none"> 1. Life member of Indian Physical Society (Membership No. LM/1113). 2. Life member of Indian Science Congress (Membership No. L33563). 3. Life member of Powder Metallurgy Association of India. 		
12 Attended Faculty Development Programmes (FDP) & Short Term Courses				
Serial No.	Topic	Organised By	Date	Level
13. Attended Faculty Induction Programmes (FIP) & Refresher Courses (RC) in the last 5 years				
Serial No.	Course Name	Organised By	Date	Grade
1	FACULTY INDUCTION PROGRAMME	UGC-HRDC, KUMAUN UNIVERSITY, NAINITAL	24.02.20 21- 26.03.20 21	A
2	REFRESHER COURSE IN NANO SCIENCE, NANO TECHNOLOGY AND APPLICATIONS	UGC-HRDC BURDWAN UNIVERSITY	01.12.20 22- 14.12.20 22	A+

14. Invited Lectures in State, National & International Level Seminars/ Webinars

<i>Serial No.</i>	<i>Topic</i>	<i>Organised By</i>	<i>Date</i>	<i>Seminar/ Webinar</i>	<i>Level</i>

15. Attended State, National & International Level Seminars/ Webinars

<i>Serial No.</i>	<i>Topic</i>	<i>Organised By</i>	<i>Date</i>	<i>Seminar/ Webinar</i>	<i>Level</i>
1	“ONE DAY SEMINAR-CUM-WORKSHOP ON Python Computing: Some Applications in Mathematical Physics	Department of Physics, Basanti Devi College and Nabagram Hiralal Paul College in collaboration with Undergraduate Board of Studies in Physics, University of Calcutta	28.02.2020	Seminar	State
2	A New View of the Solar System	Department of Physics, Surendranath College	08.07.2020	Webinar	State

3	Recent Advancements in Plasma Science and Astrophysics	Department of Physics, Alipurduar College	08.07.2020	Webinar	State
4	One-day International Webinar on “New Outlooks in Modern Physics”	Basanti Devi College	17.07.2020	Webinar	International
5	Recent Trends in Condensed Matter Physics & Applications – 2020	Department of Physics in collaboration with IQAC, Kulti College	22.08.2020	Webinar	International
6	Frontiers of Physics -2021	Department of Physics in collaboration with IQAC, Acharya Prafulla Chandra College	06.07.2021	Webinar	National

7	Career Advancement of Teachers According to UGC Guidelines 2016 and 2018	Seminar Sub-Committee in collaboration with IQAC, Jhargram Raj College	12.09.2021	Webinar	State Level
8	Fabrication and Experimental Techniques of Self-Charged Power Cells	organized by Department of Physics, Netaji Nagar College for Women, Kolkata and Sponsored by SERB, Govt. of India (EEQ/2019/000340).	04.01.2023	Research Training Program	National
9	Mentoring Workshop on NAAC Accreditation	IQAC Vidyannagar College	17.05.2023	Workshop	State

10	Crash Course on CAS	Sadhan Chandra Mahavidyalaya in collaboration with Vidyanagar College	18.05.2023	Seminar (online mode)	State

16. Papers Presented in Seminars, Webinars, Workshops, Conferences, Symposia

Serial No.	Title of the Paper	Title of the Seminar, Webinar, Conference	Organised By	Date	Level
1	Effect of alumina content on the phase development and mechanical properties of alumina-mullite composite synthesized from alluvial clay of the Ganges	International Conference on Powder Metallurgy and 47th Annual Technical Meeting of PMAI 2022	Powder Metallurgy Association of India.	18-20 April 2022	International

17. Publication in Journals (Mention UGC Care list or UGC Enlisted if any)

Serial No.	Title of the Paper	Name of the Journal	UGC Care List/ UGC Enlisted	Year	ISSN No.
1	Essential oil impregnated luminescent hydroxy apatite: Antibacterial and cytotoxicity studies	Materials Science and Engineering C	UGC Enlisted	2020	0928-4931

2	Effect of Alumina Content on the Phase Development and Mechanical Properties of Alumina-mullite Composite Synthesized from Alluvial Clay of the Ganges	Transaction of Powder Metallurgical Association of India	UGC Enlisted	2022	0377-9416

18. Publication of Books

<i>Serial No.</i>	<i>Title of the Paper</i>	<i>Title of the Book</i>	<i>Author(s)/ Editor(s)</i>	<i>Year</i>	<i>ISBN No.</i>

19. Publications in Book Chapters

<i>Serial No.</i>	<i>Title of the Paper</i>	<i>Title of the Book</i>	<i>Author(s)</i>	<i>Year</i>	<i>ISBN No.</i>

1	Advanced Electronic and Energy Applications of Chitin and Chitosan based Composites	Advances in Modern and Applied Sciences: A Collection of Research Reviews on Contemporary Research	Chinta Haran Majumdar, Arpan Kool, Krishanu Chatterjee, Somtirtha Kool Banerjee	2022	978-1-64997-436-5

20. Grants received from Government & Non-Government agencies for Research Projects

<i>Serial No.</i>	<i>Title of the Project</i>	<i>Name of the Agencies</i>	<i>Amount Received (Rs.)</i>	<i>Submission Year</i>

21. Organising Seminars, Webinars, Value Added Courses

<i>Serial No.</i>	<i>Title</i>	<i>Duration</i>	<i>Date</i>	<i>Level</i>
1.	New Education Policy: Insight and Implementation	One day	07.06.2023	State level seminar
2.	A Value-Added Course on Basic Computer Skills	30 hours	17.06.2023-26.06.2023	State level
3.	Value-Added Course on Introduction to Animation using AutoCAD.	30 hours	24.06.2023-30.06.2023	State level

22. Other Notable Assignments (if any)

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