


Curriculum Vitae

Full Name	Mr. Prashant Thapliyal			
Designation	Assistant Professor			
Department	Instrumentation Engineering-USIC			
Campus	Birla			
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Education Qualification	<ol style="list-style-type: none"> 1. B. Tech. (Instrumentation Engineering) (2008), H.N.B. Garhwal University, Srinagar Garhwal, Uttarakhand. 2. M. Tech. (Instrumentation) (2010), NIT Kurukshetra, Kurukshetra, Haryana. 3. Ph.D. pursuing, Dept. of Instrumentation and Applied Physics, IISc Bangalore. 			
Teaching Experience	08 Years	Research Experience	05 Yrs	
Areas of Interest/ Specialization				
<ol style="list-style-type: none"> 1. Sensors and Industrial Instrumentation 2. Industrial Automation 3. To work on Analytical Instruments (i.e. XRD, SEM, Piezometer, Ellipsometer). 4. Vacuum Instrumentation and Thin Film Deposition. 5. Electrical and Optical Properties of $(Ta_2O_5)_{1-x}-(TiO_2)_x$ Thin Films. 				
Administrative Experience				
<ol style="list-style-type: none"> 1. Member of Departmental Purchase Committee 2. Member of the B. Tech. Admission Committee, H.N.B. Garhwal University, Srinagar (Garhwal). 3. Member of P.G./Ph. D. Entrance Examination Committee, H.N.B. Garhwal University, Srinagar (Garhwal) in 2018-19. 				
Conference/Symposium/Short Term Courses/Workshop Attended				
<ol style="list-style-type: none"> 1. Attended a Workshop on "Intellectual Property Rights & Patent Awareness", held at H.N.B. Garhwal University, Chauras Campus, Srinagar (Garhwal), jointly organized by H.N.B. Garhwal University and Uttarakhand Council of Science and Technology (UCOST), Dehradun, on 28th March, 2012. 2. Attended Short Term Course on "PCB Layout, Fabrication and Testing", conducted by Electronics Service Centre (NITTTTR), N.I.T.T.R., Chandigarh (U.T.), from 14th January to 18th January, 2013. 				

3. Attended Conference on “Recent Advances in Material Science (NCRAMS-13)”, organized by Dept. of Physics, H.N.B. Garhwal University, Srinagar (Garhwal), on 26th & 27th October, 2013.

4. Attended a Workshop on NMEICT Awareness “Recent Trends in Education System”, organized by Dept. of Computer Science & Engineering, National Institute of Technology, Uttarakhand, on 29th & 30th November, 2014.

5. Attended a Workshop on “Materials Characterization by SEM, TEM, XRD & EBSD”, organized by Dept. of Mechanical Engineering, G. B. Pant Institute of Engineering & Technology, Pauri Garhwal, Uttarakhand, on 27th & 28th October, 2017.

6. Delivered an invited talk entitled “Thin film Sample preparation and Characterizations” in two days workshop on “Physical and Applied Sciences: with particular reference to contribution to Indian Scientists”, held at Dept. of Physics, Chauras Campus, H.N.B. Garhwal (A Central) University, Srinagar (Garhwal), on 14th & 15th March, 2018.

7. Attended online One Week Faculty Development Programme on “Open Source Tools for Research”, organized by Teaching Learning Centre, Ramanuj College, University of Delhi, Delhi, from 8th June to 14th June, 2020.

8. Attended online Short Term Course on “Nanoscience for Engineering Applications”, jointly organized by National Institute of Technical Teachers Training and Research (NITTR), Chandigarh and Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, from 22nd June to 26th June, 2020.

9. Attended One Week Online Short Term Course on “Sub-Micrometer Semiconductor Device to Circuit Co-Design and Modeling Techniques”, organized by Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, from 20th August to 24th August, 2020.

10. Presented the paper entitled “Annealing Temperature Dependent Optical Properties of $(\text{Ta}_2\text{O}_5)_{0.965} - (\text{TiO}_2)_{0.035}$ Thin Films” in the First International Virtual Conference on “Integrated Intelligence Enable Networks & Computing (IIENC-2020)”, organized by Institute of Technology, Gopeshwar, Uttarakhand, during 5th to 7th September, 2020.

Conference/Symposium/Workshop Organized

1. Organized the ‘**World IPR day**’, jointly with UCOST, Dehradun at USIC, HNB Garhwal University, Srinagar (Garhwal), on 26th April, 2014.

Best Peer-Reviewed Publications

Journals:

1. Don Biswas, Gambheer Singh Kathait, **Prashant Thapliyal**, Vishal Rohilla & Surendra Singh, Temperature dependence of dielectric properties of sodium potassium niobate ceramics for different values of x ($\text{Na}_{1-x}\text{K}_x\text{NbO}_3$), *Ferroelectrics*, Vol. **526**, pp. 168–175, 2018.

2. Don Biswas, Kuldip Kumar, Vishal Rohilla, Gambheer Singh Kathait, **Prashant Thapliyal**, Arun Shekhar Bahuguna, Yogendra Pundir, Vinay Prasad Tamta, Microcontroller based data acquisition system using error reduction technique, International Journal of Engineering, Science and Technology, Vol. **11**, No. 3, pp. 40-48, 2019.
3. Don Biswas, Gambheer Singh Kathait, **Prashant Thapliyal**, Vishal Rohilla, Surendra Singh & Jyotsana Negi, Converse piezoelectric properties of K and Na-modified ($\text{Na}_{1-x}\text{K}_x$) NbO_3 lead free ceramics for $x=0.08$ and 0.17 , Ferroelectrics, Vol. **550**, pp. 228-232, 2019.
4. Gambheer Singh Kathait, **Prashant Thapliyal**, Don Biswas, Vishal Rohilla & Surendra Singh, Influence of escaping of Na & K on physical properties in lead-free $\text{Na}_{0.92}\text{K}_{0.08}\text{NbO}_3$ ceramic, Ferroelectrics, Vol. **551**, pp. 40-46, 2019.
5. Gambheer Singh Kathait, N. S. Panwar, **Prashant Thapliyal**, Don Biswas, Vishal Rohilla, Surendra Singh, Sintering Effect on Electrical Properties and Morphology of Lead-Free $\text{Na}_{0.92}\text{K}_{0.08}\text{NbO}_3$ Ceramics, Science of Sintering, **51**, pp. 1-8, 2019.