Faculty Profile

Faculty Name	Dr. Sumit Kumar
Designation	Asst. Professor
Qualification	Ph.D., M.Tech., B.Tech.
Email	sumit.cse@piet.co.in
Area of Interest	Blockchain
Work Experience (Total)	10 years
• Teaching	10 years
• Research	
• Industry	--
• Others	--
Courses taught at Diploma/ Post Diploma/ Under Graduate/ Post Graduate/ Post Graduate Diploma Level	DAA, DWDM, ITM, EIT, ADBMS,DBMS,CN
Membership of Professional Bodies	
Research Publications	
• Research Papers UGC-CARE	
• Research Papers SCOPUS	1
• Research Papers WoS/SCI/ABDC	
• List of Publications	• Published a paper entitled "An Analytical Review of Orientation based concurrency control algorithm" in Global Journal of Computer Science and Technology Vol. 11 Issue (ver. 1.0), Dec 2011. • Published a paper entitled "Optimization of Image Using Skeletonization technique with Advanced Algorithm" in IJSRET in Volume 4 Issue 4, April 2015. • Published a paper entitled "Non-Preemptive Dynamic Scheduling for Prevention of Jobs Starvation in Distributed Systems" in IJSRET in Volume 4 Issue 4, April 2015.

	- Published a paper entitled "A Review: Proactive and Reactive Routing Protocols of MANET in a Grid using Mobility" in IJARET in Volume 4, Issue IV, April 2016. - Published a paper entitled "Analytical Review of Visual Cryptography Scheme" in IJARET in Volume 4, Issue V, May 2016. - Published a paper entitled "Blockchain Based Business Model for Digital Assets Management in Trust less Collaborative Environment" in JCR in Volume 7,issue 19, July 2020.
Book and Chapter Publications	
• Books Authored published by International Publishers	
• Books Authored published by National Publishers	
• Publication of Chapter in Edited Books	2
• Editor of Book by International Publishers	
• Editor of Book by National Publishers	
• Translation Work of Book	
• List of Book and Chapter Publications	- Contributed a chapter "Investigation of smart home framework in view of cloud computing and the key advancements with IoT" in E-book "Scenario of environmental research and development". - Intelligent amalgamation of blockchain technology with industry 4.0 to improve security
Patents	
• Published	1
• List of published patent(s)	• Anju Bhandari Gandhi, Arun Rana, Deeapk Kumar Wadhwa, Shally Nagpal, Rahul Kaushal, Dr. S.C. Gupta,

	Sumit Rana, Swati Gupta, "Smart Garbage Monitoring System Using Iot Using Raspberry Pi With Pi Camera" Application number 202011004634, Published on 03-02-2020
• Filed	
• List of filed patent(s)	
PhD Guidance	
• Degree Awarded	
• Thesis Submitted	
M.Tech. Guidance	
• Degree Awarded	
• Thesis Submitted	
Research Project	
• List of Research project	
Consultancy	
• List of Consultancy	
Awards & Honours	
• List of Awards & Honours	
Invited lectures / Resource Person/ paper presentation in Seminars/ Conferences/full paper in Conference	
• International (Abroad)	
• International (Within Country)	
• National	
• List of published papers	
Organizing National Conference/ International Conference/ FDP/STTP	
• List of Conference/FDP/STTP committee	
Social Contributions and Sports	

• **List of Social Contributions and Sports**	