

Curriculum Vitae

Dr. Aruna Rani

Position	Scientist/Engineer SD
Work Unit	Uttarakhand Space Application Centre
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Location	Dehradun

Qualifications

I have completed Bachelor of Computer Science and Engineering from Kumaon University, Nainital, KEC Dwarahat in 1999. Later on I pursued Advance Diploma In E-Commerce from C.E.D.T.I., Mohali, Punjab in 2001. Later on I have completed my M. Tech. in Computer Sc. and Engineering, from Uttarakhand Tech. University, Dehradun in 2012 while serving as Asst. Prof. at GBPEC, Pauri. I have completed my PhD from Uttarakhand Tech. University Dehradun in March 2016.

Employment history and achievements

I had started my carrier as a Graphic Designer from Pal InfoTech. PVT, LTD. Very soon I switched on for teaching and joined as a lecturer in Nov. 2001 at COER, Roorkee, here I received various awards for best teaching and 100% result. In June 2005 I joined the Govt. institute, G.B.P.E.C., Pauri in the same profession. At GBPEC, Pauri I performed various other administrative responsibilities also for student welfare with teaching. In Jan 2014 I have joined USAC, Dehradun as Scientist SD I am enjoying this field with passion. I have published 11 papers in National and International Journals. Successfully completed the project "GPS based survey and shape file generation of land acquired by NTPC, Lata Tapovan and Vishnugad Tapovan HPP".

Technical Skills

JAVA 2.0, JSP, ASP, C, HTML, DHTML are technologies which I can use for application SW development work. The platforms are Windows 95, 2007, NT, XP, UNIX. Application Software, Adobe Photoshop, Flash, Visual Basic, etc. I am presently working on Remote Sensing Software like ERDAS, ARCGIS for Remote Sensing data handling. As earlier I was in teaching field so I have special interest in teaching. I can teach any subject of my branch because teaching is an art of explaining and knowledge giving to the students. Still the subjects I like most to teach are Multimedia Systems, Web Technologies, Fundamentals of Information Technology, Computer Architecture, C and Languages and Software Engineering etc.

Extra Curricular activities

Beside above curricular activities I like to manage and participate extracurricular events, like indoor games, outdoor games, Poem writing, music etc.

LIST OF PUBLICATIONS

International Journal Publications:

Aruna Rani, “The soft crowd management”, International Journal of Remote Sensing, (under review)

1. Aruna Rani, “Infrared Radiation Zone and Mobile Tower Mapping” International Journal of Advanced Research in Computer Science and Software Engineering ISSN: 2277 128X Volume 5, Issue 10, Oct 2015.

2. Aruna Rani and R. K. Singh, “Fractal Antenna and Nano Technology Uniforms”, International Journal of Soft Computing and Engineering (IJSCE), NISCAIR ISSN: 2231-2307, Volume-2, Issue-6(Impact factor 1.0)

3. Aruna Rani, Dr. R.K. Singh, Dr. Ashish Negi “Design and Analysis of Nano Fractal Antenna Protection Chip to overcome crimes against women and remedial measures”, International Journal of Emerging Science and Engineering (IJESE), ISSN: 2319–6378, Volume-1, Issue-3, January 2013(Impact factor 1.0)

4. Aruna Rani and R. K. Singh, Ashish Negi, “Algorithm and Software Development for MSA Design Using GA”, International Journal of Advanced Research in Computer Science and Software Engineering, ISSN: 2277 128X ,vol 5, issue-2, Feb. 2015.

5. Aruna Rani, Dr. Ashish Negi et al “Rectangular and U slotted Space filling Fractals”, International Journal of Innovations and Advancement in Computer Science, ISSN-(2347-8616,2347-8527,2348-117X) (impact factor 2.65)

6. Aruna Rani and R. K. Singh, “KU Band and C Band Fractal MSA for SATCOM” International Journal of Advanced Research in Computer Science and Software Engineering ISSN: 2277 128X Volume 5, Issue 7, July 2015 .

7. Aruna Rani and A. K. Gautam, “Improvement in Gain and Bandwidth of Rectangular and U Slot Loaded Patch”, International Journal of Computer Science Issues, Vol No , Dec 2011.

8. Aruna Rani and A. K. Gautam, “Design And Development Of MSA Agent”, International Journal of Computer Applications, Vol 29 No. 9, Sept. 2011

9. Aruna Rani and R. K. Dawre, “Design and Analysis of Rectangular and U Slotted Patch for Satellite Communication”, International Journal of Computer Applications, Vol.12 No.7,Dec 2010.

10. Aruna Rani and R.K. Dawre, “Design And Analysis Of Rectangular And U Slotted Microstrip Patch Using Optimization Program In Java For Uhf Applications” Vol 3, No. 5, June 2010

11. Aruna Rani and A. K.Gautam, “MSA Agent For Multimedia Applications”, Indian Journal of Computer Science and Engineering, Vo2,number , Jan 2012.