


## Faculty Profile

	<p><b>Faculty Name: Anilesh</b></p> <p><b>Qualification: M.Tech (VLSI Design) M.Sc. – Physics with specialization in Electronics</b></p> <p><b>Total Experience: (6 years, 5 Months)</b></p> <p><b>Number of Publications: see the attachments</b></p> <p><b>Awards and Recognitions: GATE, NET and JEST</b></p> <p><b>Active Memberships: Himalayan Geology Journal, WIHG, Dehradun</b></p> <p><b>Areas of Research Interest: VLSI design (Low power, Low Noise Op-amps) and earthquake signal processing</b></p>
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Passport sized photograph

## Research Work:

### a. Published Papers in Journals.

S. No.	Title with page no.	Journal	ISSN/ ISBN No.	Whether peer reviewed. /Indexed (Impact factor, if any)	No. of Co-authors
1)	Application of Matlab in undersea earthquake signal processing for Tsunami forecasting. Vol.3, Issue 1, 2012, pp 81-85	Journal of Information and Operations Management, Bioinfo Publication	0976-7754	4.72	3

### b. Papers presented in Conferences, Seminars, Workshops.

S.N.	Title of the paper	Title of Conference/Seminar etc	Date(s) of the event	Organized by	Whether International/ National/State/Regional/University or College Level
1)	Wavelet Analysis of the 11/03/2011 Japan Earthquake (mw=9.0) to Understand Tsunami Genesis for Tsunami Warnings	AOGS 2011, Taipei	8-12 August 2011	<i>Asia Oceania Geosciences Society</i>	International
2)	Either a Great Earthquake (m>8.0) Is Expected in the Himalayan Region or Large Amount of Slip Is Releasing in the Form of Slow Earthquakes	AOGS 2011, Taipei	8-12 August 2011	<i>Asia Oceania Geosciences Society</i>	International
3)	Timely Prediction of Tsunami from under sea Earthquake Signals	International Conference on Soft Computing for Problem Solving (SocProS 2011, Roorkee	December 20-22, 2011	IIT Roorkee	International
4)	Earthquake signal processing for Tsunami forecasting.	International Conference on "Recent Advances in IT & IT Management , Dehradun	28-29 February, 2012	<i>SGRRITS dehradun in Association with UTU and Uttarakhand State Council for Science &amp; Technology</i>	International

### c. Articles/ Chapters published in Books.

S.N.	Title with page no.	Book Title, editor & publisher	ISSN/ ISBN No.	No. of Co-authors and Date of Publication
1)	Timely Prediction of Tsunami Using under Sea Earthquake Signals. pp 1011-1018	Series Title: <a href="#">Advances in Intelligent and Soft Computing</a>  Series Volume: 131  <b>Editor-in-Chief:</b> Prof. Janusz Kacprzyk  Book title : <a href="#">Proceedings of the International Conference on Soft Computing for Problem Solving (SocProS 2011) December 20-22, 2011</a> Volume : 2  Editors:  <ul style="list-style-type: none"> <li>• <a href="#">Kusum Deep,</a></li> <li>• <a href="#">Atulya Nagar,</a></li> <li>• <a href="#">Millie Pant,</a></li> <li>• <a href="#">Jagdish Chand Bansal</a></li> </ul> Publisher: Springer India	ISBN: 978-81-322-0490-9 (Print), 978-81-322-0491-6 (Online),  Series ISSN:  1867-5662	10,  Date of Publication: 2012

## VI. Project Work:

### a. Projects Undertaken

#### 1. M. Tech Project: Design of Low Power Low Noise Operational Amplifier

*This opamp is designed using TSMC 0.35  $\mu\text{m}$  technology with a supply voltage of 3.3V. The value of the load capacitance is taken as 5 pF. The power dissipation of the op amp is 31.26  $\mu\text{W}$  with bandwidth ( $f_{3dB}$ ) of 1.32 KHz. Total Input Referred Noise comes out to be 382.68 nV/ $\sqrt{\text{Hz}}$  at 1 Hz, 123.68 nV/ $\sqrt{\text{Hz}}$  at 10 Hz and 30.75 nV/ $\sqrt{\text{Hz}}$  at 1 KHz.*

**Project Guide:** Dr. Alpana Agarwal, Assistant Professor, Thapar University, Patiala, Punjab.

### b. Projects Guided

1. Guided 10 (6 months duration) projects for B.Tech final year & third Year ECE students in ICFAI University, Dehradun.
2. Guided and evaluated more than 100 Students of ICFAI University, Dehradun, during their Internship Program (6 months duration) in various organizations in India.
3. Guided 40 minor projects for B.Tech 2<sup>nd</sup> year and & third year ECE students in field of analog and digital electronics.