

## KRISHAN CHANDRA MISHRA

- Assistant Professor in Department of ECE, Women Institute of Technology, VMSBUTU Campus Institute, Dehradun
- Joint Secretary, IEEE UP Section, India (2021-2023)
- Pursuing Ph.D., VMSBUTU, Dehradun(Under Supervision of Dr. R. K. Singh)
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- Senior Member IEEE, USA (Membership ID: 93922752)
- Executive Committee Member: IEEE UP Section, India (2018-2023)
- Convener: Young Professional Affinity Group, IEEE UP Section, India (2018-2020)
- Conference Secretary, IEEE WIECON ECE-2017
- Conference Secretary/Conference Chair, 2019-WITCON ECE
- Technical Program Committee Member, IEEE UPCON-2018
- Counsellor: IEEE WIT Student Branch
- Advisor: IEEE WIT-WIE Affinity Group(2023-till date)
- Academic Coordinator in Women Institute of Technology, Dehradun, TEQIP-III Project, World Bank Project, Under MHRD, India (2017-2021)

### Objective

My career goal is to become expertise in field where I am working and constantly update myself with the latest technologies to move up in ladder & contribute to the growth of organization.

### Ph.D. Research Topics

#### DESIGN AND ANALYSIS OF LOW POWER SRAM USING CMOS (SUB-MICRON AND DEEP-SUB-MICRON) TECHNOLOGY FOR MOBILE APPLICATION.

- Topic Approved & Literature Survey is done in Aug 2016.
- Research Methodology Course work is done during 23<sup>rd</sup> Dec-30<sup>rd</sup> Dec-2016.
- Course work Seminar is done on topic “Leakage Power Reduction Techniques in Deep Sub-Micron Technology for SRAM” on 20<sup>th</sup> Feb 2017.
- Online Course is done in Oct 2018.
- Ph.D. Course Work Completion Certificate for Uttarakhand Technical University,Dehradun.

### Ph.D Entrance Exam Detail

<b>Uttarakhand Technical University, Dehradun</b>	1 <sup>st</sup> Position in U.T.U. Ph.D. E.C.E. Department Entrance Examination 2015.
<b>Punjab Technical University, Kapurthala</b>	Qualified P.T.U. Ph.D. E.C.E. Department Entrance Examination 2014.
<b>Uttarakhand Technical University, Dehradun</b>	12 <sup>th</sup> Position in U.T.U. Ph.D. E.C.E. Department Entrance Examination 2013.

### Professional Qualification

<b>Master of Technology</b> (V.L.S.I. Design)	<b>College:</b> Faculty of Technology, University Campus, Uttarakhand Technical University, Dehradun <b>Percentage: 77.57% (I Division With Honors)</b>
<b>Bachelor of Technology (E.C.E.)</b>	<b>College:</b> Amrapali Institute of Technology & Sciences, Haldwani, Nainital, Uttarakhand (Affiliated to A.I.C.T.,U.T.U. Dehradun) <b>Percentage: 70.82% (I Division)</b>
<b>Polytechnic Diploma</b> (Electrical Engineering)	<b>College:</b> Govt. Polytechnic, Nainital (Affiliated to Uttarakhand Board of Technical Education, Roorkee) <b>Percentage: 72.93% (I Division)</b>

### Academic Qualification

<b>Intermediate</b>	<b>School:</b> Pantnagar Inter College, Pantnagar (U.S.Nagar) from U.A. Board <b>Division:</b> II <sup>nd</sup> Div.
<b>High School</b>	<b>School:</b> Pantnagar Inter College, Pantnagar (U.S.Nagar) from U.A. Board <b>Division:</b> II <sup>nd</sup> Div.

**Project/ Thesis Details**

<b>M.Tech Dissertation</b>	<b>Major:</b> Feed-Forward Voltage Control CMOS Ring Oscillator with Wide Tuning Range in Tanner Tool under supervision of <b>Dr. R. K. Singh</b> former Controller of Examination, Uttarakhand Technical University, Dehradun. <b>Minor:</b> Low Power Consumption in CMOS Circuits by using Tanner Tool.
<b>B.Tech Project</b>	Optical Fiber Based Voice Playback Message Retrieval System with Password.
<b>Diploma Project</b>	<b>Major:</b> Automatic controlled Emergence Light with many function. <b>Minor:</b> Lamp-Dimer by using SCR.

**B.Tech/M.Tech Project Guided (Under My Supervision)**

Bharti Bansal (130001105017)	<b>“BLIND DE-CONVOLUTION : AN APPROACH FOR MOTION BLUR REMOVAL”</b>  <b>(MASTER OF TECHNOLOGY-24 JAN, 2017)</b>
Kajal (631230102005) ShaliniNegi (631230102019) Shivangi Anju (631230102020)	<b>“GSM BASED HOME SECURITY SYSTEM”</b>  <b>(BACHELOR OF TECHNOLOGY-2016)</b>
Meenakshi Negi (631230102009) Neha Aggarwal (631230102012) Preeti Mandolia (631230102014)	<b>“SMART RATION CARD USING RFID &amp; GSM TECHNIQUES”</b>  <b>(BACHELOR OF TECHNOLOGY-2016)</b>
Abhilasha (141230102001) Prachi Sharma (651230102005)	<b>“SMART HEART TECH MONITORING MACHINE”</b>  <b>(BACHELOR OF TECHNOLOGY-2018)</b>
Geeta Rauthan (651230102002) Parwati Thapa (651230102003) Prachi Goyal (651230102004)	<b>“HONK HORN ALERT SYSTEM” ROAD SAFTY WIRELESS SYSTEM</b>  <b>(BACHELOR OF TECHNOLOGY-2018)</b>

## Membership Details

### Membership

1. IEEE, Professional Member from 2016 to till.
2. IEEE, Young Professional Member from 2016 to till.
3. IEEE, Women In Engineering Membership from 2017 to till.
4. IEEE, Entrepreneurship Exchange Community from 2017 to till.
5. Member of “Centre of Excellence” committees in Uttarakhand Technical University, Dehradun.
6. Convener of “Technical & Academia Committee” in W.I.T., Dehradun (for Year 2015-2016).
7. Member of “Training & Placement Committee” in W.I.T. Dehradun (for Year 2015-2016).

## Attended Workshop Details

### Workshop

1. Work as organizer in workshop on “Intellectual Property Right: In House Patent Filing” organized by Uttarakhand Technical University, Dehradun on 24 August 2015.
2. Attended one week IEEE workshop on “Technology Enable Teaching & Learning in Higher Education” from Graphic Era Hill University, Dehradun.
3. Attended one day IEEE workshop on “GaN Devices & Power Amplifiers” in IIT Roorkee.
4. Attended One day National workshop on “Verilog and VHDL” from DBIT, Dehradun.

## Project Award in 2016 Under My Supervision

### Final Position

“GSM Based Home Security System” got 2<sup>nd</sup> Position in Inter-Branch Project completion.

**Organize IEEE Program [Post: Counsellor -IEEE WIT Student Branch, UP Section, India]**

<p><b>IEEE International Symposium on 25<sup>th</sup> March 2017</b></p>	<p>IEEE WIT Student Branch Organize IEEE International symposium on “Empowering Women to Develop Confidence and Leadership Quality to bring Revolution in Society” on 25<sup>th</sup> March, 2017 under my Supervision. Eminent Speaker name List:-</p> <ol style="list-style-type: none"> <li>1. <b>Prof. J. Ramkumar, Professor IIT Kanpur, Chairperson IEEE UP Section.</b></li> <li>2. <b>Prof. S.N.Singh, Professor IIT Kanpur, Coordinator IEEE UP Section Conference and Technical Seminar.</b></li> <li>3. <b>Dr.Upasana Gitanjali, Professor, Univ. of KwaZula-Natal, Durban.</b></li> <li>4. <b>Dr.Vinay Rishiwal, MJP Rohilkhand University, Bareilly.</b></li> <li>5. <b>Dr.Veena Krishnan, Senior Clinical Psychologist, UPES, Dehradun.</b></li> </ol>
<p><b>Women’s Day Celebration on 8<sup>th</sup> March, 2017</b></p>	<p>IEEE WIT Student Branch Organize International Women’s Day in Women Institute of Technology, Dehradun. Eminent Speaker name List:-</p> <ol style="list-style-type: none"> <li>1. <b>Mr. Pankaj Gupta, President Industrial Association, Dehradun,Uttarakhand.</b></li> </ol>
<p><b>IEEE National Symposium on 21<sup>st</sup> April 2018</b></p>	<p>IEEE WIT Student Branch Organize IEEE National symposium on “Big Data Analysis &amp; IOT” on 21<sup>th</sup> April, 2018 under my Supervision. Eminent Speaker name List:-</p> <ol style="list-style-type: none"> <li>1. <b>Prof. G.S.Tomar, Director, THDC Institute of Hydropower Engineering and Technology, Tehri.</b></li> <li>2. <b>Dr.Vinay Rishiwal, Coordinator -Web, IEEE UP Section &amp; MJP Rohilkhand University, Bareilly.</b></li> <li>3. <b>Dr.Dilip Sharma, Professor, GLA University, Mathura, UP.</b></li> <li>4. <b>Dr.Mayank Agarwal, Professor, Gurukul Kangri University, Haridwar.</b></li> </ol>
<p><b>IEEE Engineer’s Day Celebration 2018</b></p>	<p>IEEE WIT Student Branch Organize IEEE ENGINEER’S DAY 2018 on 15<sup>th</sup> August, 2018 under my Supervision. Eminent Speaker name List:-</p> <ol style="list-style-type: none"> <li>1. <b>Dr.S.N.SINGH, Hob’ble Vice Chancellor, MMMUT, GORAKHPUR, UP.</b></li> <li>2. <b>Professor, IIT Kanpur, Department of Electrical Engineering.</b></li> <li>3. <b>Re-appointed as IEEE R10 Conference and Technical Seminar Coordinator for 2017 &amp; 2018 .</b></li> <li>4. <b>IEEE R10 (Asia-Pacific) Outstanding Volunteer Award 2016. IEEE India Council Chair-Elect.</b></li> </ol>

### Training / Short Term Course

<b>BICT Academy, Dehradun</b>	Two Month Training course on “CPP Programming” in 2016.
<b>NCITS, Ambic Institute of Technology</b>	Two Month Training course on “MATLAB” Technology in 2015.
<b>ESTC, Ramnagar, UK</b>	One Month Training course on “INTERNET of THINGS” in 2017.

### Certificate of Participation

<b>SBCPSE-2015</b>	Two day seminar Jointly organized by Uttarakhand State Centre, IE(I), Dehradun & Uttarakhand Technical University, Dehradun on 2 <sup>nd</sup> & 3 <sup>rd</sup> Nov 2015.
<b>IEEE WIE Symposium-2016</b>	Two day Symposium organized by Tula’s Institute, the Engineering and Management College, Dehradun on 19 <sup>th</sup> & 20 <sup>th</sup> Feb 2016.

### Organize Hands on Training in Women Institute of Technology, Dehradun

<b>30 Day Hands on Training in ECE Department</b>	Organize 30 Day Hands on Training on “ <b>PCB Designing</b> ” for ECE Department in Women Institute of Technology, Dehradun through “ <b>LEADING EDGE-ESTC ACEL</b> ” training Institution which Franchisee from ESTC Under <b>ministry of MSME, Govt. of INDIA</b> on <b>04<sup>st</sup> June - 03<sup>rd</sup> July 2018.</b>
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### Organize Hands on Training in Women Institute of Technology, Dehradun

<b>30Hours Hands on Training in ECE Department</b>	Organize 30 Hours Hands on Training on “ <b>AVR Microcontroller</b> ” for ECE Department in Women Institute of Technology, Dehradun through “ <b>LEADING EDGE-ESTC ACEL</b> ” training Institution which Franchisee from ESTC Under <b>ministry of MSME, Govt. of INDIA</b> on <b>04<sup>st</sup> September – 07<sup>th</sup> September 2018.</b>
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### **Organize Short Term Course in Women Institute of Technology, Dehradun**

<b>Five Day Short Tern Course</b>	Organize Five Day Short Term Course on “ <b>Future Communication Technologies</b> ” for ECE Department in Women Institute of Technology, Dehradun through “ <b>LEADING EDGE-ESTC ACEL</b> ” training Institution which Franchisee from ESTC Under <b>ministry of MSME, Govt. of INDIA</b> on <b>31<sup>st</sup> March-01<sup>st</sup> April 2017</b> .
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### **Organize Workshop in Women Institute of Technology, Dehradun**

<b>Two Day Workshop in ECE Department</b>	Organize Two Day Workshop on “ <b>Arduino</b> ” Department of ECE in Women Institute of Technology, Dehradun on <b>16<sup>th</sup> July-20<sup>th</sup> July 2018</b> .
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### **Organize International Conference in Women Institute of Technology, Dehradun**

<b>Two Day IEEE International Conference WIECON ECE-2017</b>	Organize Two Day IEEE International Conference on “ <b>Women in Engineering Conference on Electrical &amp; Computer Engineering 2017</b> ” ( <b>WIECON ECE-2017</b> ) in Women Institute of Technology, Dehradun supported by IEEE UP Section & IEEE Bangladesh Section on <b>18<sup>th</sup> Dec-19<sup>th</sup> Dec 2017</b> .
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### **University Observer in Semester Examination**

<b>Uttarakhand Technical University, Dehradun</b>	I have done successfully Observer Duty in SGRRITS, Patel-Nagar, Dehradun from 26 Dec 2014 - 17 Jan 2015, in the Occasion of “Uttarakhand Technical University” Odd Semester Examination 2014-15.
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### **Technical Skills**

<b>Programming Languages</b>	VERILOG & C
<b>Operating System</b>	Windows (98/XP/Vista/7)
<b>Others</b>	MS Office(2003/2007/2010), Tools – Model sim , Xilinx, Matlab and Tannar Tool

## Paper Publication/ Conference

### Conference

1. Present paper on topic in “Review of Speed & Leakage Power Trade-Off in different SRAM Circuits for Mobile Application” on 2nd National Conference on NCRIETS-April 2018.
2. Present paper on topic in “Study of the Characterization of Low-Power Deep Sub-Micron CMOS Technology at SRAM Bit-Cell Structure for Mobile Applications” on 2nd National Conference on NCECIC-June 2017.
3. First National Conference on identifying the Research Bans for Sustainable Development of Kumaon Region.

### Paper Publication

- 1** : Study of Speed and Leakage Power Trade-off in Various SRAM Circuits for Mobile Application in International Journal on Emerging Technologies in Special Issue NCETST-2017.
- 2** : Study of Low Power SRAM Cell at Deep Submicron CMOS Technology for Mobile Application in IJRTM Vol. 3, Issue 3, April 2017(IF 2.77).
- 3** : Study of Speed and Leakage Power Trade-Off in Various SRAM Circuits in IJRTM Vol. 2, Issue 4, June 2016(IF 2.77).
- 4** : Novel Protocol for Real Time Tracking and Damage Recovering Methods of Vehicles in IJRTM Vol. 2, Issue 4, June 2016 (IF 2.77).
- 5**: Implementation of Area-Efficient in Heterogeneous adder and its application in FIR Filter in NCRASST-2015, Vol.2, 2015.
- 6** : CMOS Ring Oscillator VCO with Quadrature Outputs and High Tuning in Ist IOCRSEM Vol.1, Issue 1, July-Aug 2014.
- 7**: Analytical Description of Operational Transconductance Amplifiers in IJCST Vol. 4, Issue 3, July - Sept 2013.
- 8**: Performance Analysis of AES, DES and RSA Cryptographic Encryption Algorithms: A Novel Study in IJEECS Vol.3, Issue 3, June 2016.

## Field Exposure/ Certificate

<b>Field Exposure</b>	<ol style="list-style-type: none"><li>1. Certificate of four weeks Summer Training Program on B.H.E.L Haridwar, Uttarakhand.</li><li>2. Certificate of one month training Program on Sub-Station, Electricity Department Pantnagar, U.S.Nagar.</li><li>3. Certificate of the six weeks Summer Training Program on Century Pulp &amp; Paper Lalkua, (Nainital), Uttarakhand.</li></ol>
<b>Certificate</b>	<ol style="list-style-type: none"><li>1. Attended “5<sup>th</sup> Science Conclave” in IIIT-Allahabad.</li><li>2. Attended “1<sup>st</sup> State level Science Exhibition” with First Position in Dehradun.</li><li>3. Attended “Model event” organized on the occasion of the visit of his excellence, “Dr. A.P.J. Abdul Kalam” former president of India in Pantnagar.</li><li>4. Attended state level “Sent Jone Ambulance &amp; Junior Red Cross” Competition in Haridwar.</li></ol>

## Industrial Visit

<b>HCL, Rudrapur, UK</b>	HCL, Sidcul, Pantnagar, U.S.Nagar (Uttarakhand)
<b>BHEL, Haridwar, UK</b>	BHEL, Ranipur, Haridwar, (Uttarakhand)

## Employment Records

<b>Current Employment</b>	<p><b>Women Institute of Technology, VMSBUTU Campus Institute, Dehradun</b> (AICTE Approved, Govt. College) <b>Department:</b> Electronics &amp; Communication Engineering <b>Post held:</b> Assistant Professor(Regular) <b>Pay scale:</b> 15600-39100 + 6000AGP <b>Period of Service:</b> 22 June 2020 to till now</p>
<b>Past Employment</b>	<p><b>Women Institute of Technology, Dehradun</b> (AICTE Approved, Govt. College affiliated to UTU, Dehradun) <b>Department:</b> Electronics &amp; Communication Engineering <b>Post held:</b> Assistant Professor      <b>Pay scale:</b> 35,000/month <b>Period of Service:</b> 08Feb 2017 to 22 June 2020</p>

<b>Past Employment</b>	<p><b>Women Institute of Technology, Dehradun</b> (A constituent college of Uttarakhand Technical University)</p> <p><b>Department:</b> Electronics &amp; Communication Engineering  <b>Post held:</b> Assistant Professor      <b>Pay scale:</b> 32,100/month  <b>Period of Service:</b> 08Feb 2016 to 06Feb 2017.</p>
<b>Past Employment</b>	<p><b>Women Institute of Technology, Dehradun</b></p> <p><b>Department:</b> Electronics &amp; Communication Engineering  <b>Post held:</b> Assistant Professor      <b>Pay scale:</b> 30,000/month  <b>Period of Service:</b> 05Feb 2015 to 04Feb 2016</p>
<b>Past Employment</b>	<p><b>Women Institute of Technology, Dehradun</b> (A constituent college of Uttarakhand Technical University)</p> <p><b>Department:</b> Electronics &amp; Communication Engineering  <b>Post held:</b> Guest Faculty      <b>Pay scale:</b> 10,000/month  <b>Period of Service:</b> 15Sept. 2014 to 15Dec.2014  <b>Reason of Leaving:</b> End of the Odd Semester</p>
<b>Past Employment</b>	<p><b>Women Institute of Technology, Dehradun</b> (A constituent college of Uttarakhand Technical University)</p> <p><b>Department:</b> Electronics &amp; Communication Engineering  <b>Post held:</b> Guest Faculty      <b>Pay scale:</b> 10,000/month  <b>Period of Service:</b> 02Sept. 2013 to 04Sept. 2013  <b>Reason of Leaving:</b> Over M.Tech Class(In the duration of M.Tech)</p>

### Extra Institutional Charge

- Attached in Director Office for Administrative work (2017-2020).
- Training & Placement Committee Convener (2017-2018).
- Technical & Academic Committee Co-Convener (2017-2018).
- Examination Cell Co-Convener (2017-2023).
- I-Card Committee member (2017).
- Co-Convener in Advertisement committee (2017-2020).

### Strengths & Skills

- Good Creative Skills.
- Analytical and Innovative Thinking.
- Professional Attitude and Team Spirit.
- Good Interpersonal Skills and High Levels of Adaptability.
- Determined to give best in any situation.

## Hobbies

### Hobbies

- Work with Computer
- Reading Books
- Social Service

## Personal Information:

<b>Residential Address</b>	S/o Late. Mr. D.D.Mishra, C/o Mr. Ranjeet Singh Rawat, Village- Suddhowala, Dehradun-248007
<b>Father's Name</b>	Late. Mr. Devi Dutt Mishra
<b>Mother's Name</b>	Late. Mrs. Champa Mishra
<b>Date of Birth</b>	13-05-1987
<b>Languages Known</b>	English, Hindi
<b>Nationality</b>	Indian
<b>Religion</b>	Hindu(Brahman)

### Declaration:

I consider myself familiar with Electronics & communication Aspects. I am also confident of my ability to work in a team.

I hereby declare that the information furnished above is true to the best of my knowledge.

**Date:**

**Place:**

**(KRISHAN CHANDRA MISHRA)**