

MOHAMMAD ABAS MALIK
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Mohammad Abas Malik has done Bachelor of Technology (B.Tech) in Electronics & Communication Engineering from BGSB University Rajouri, J&K and M.Tech (Communication and Information Technology) from National Institute of Technology Srinagar (J &K), India. He is Gold Medalist at both Bachelors & Masters level. Presently he is working as Assistant Professor in the Department of E & C at BGSB University Rajouri. His area of interest include cognitive radios and wireless communications. He has worked on Reduction of side lobes in OFDM based Cognitive radios to overcome interference of Secondary user with the primary one so that both primary and secondary user will co-exist and ultimately spectrum scarcity will be overcome. He has guided number of students in their projects and research

Educational Qualifications

<i>Course</i>	<i>Name of the Institution</i>	<i>Board</i>	<i>Percentage/CGPA</i>
Doctor of Philosophy (ECE)	NIT Srinagar	-	Pursuing
Master of Technology (Communication & IT)	NIT Srinagar	-	8.979
Bachelor of Technology (ECE)	BGSBU Rajouri,J&K	-	83%
H.S.E.	J&K Sainik School, Manasbal.	CBSE	81%
S.S.E.	J&K Sainik School, Manasbal.	CBSE	84%

Work Experience

- Working as Assistant Professor in the department of ECE, SoET BGSB University Rajouri since 1st September 2016 to till date.
- Worked as Assistant Professor (Contractual) in E&C department, NIT Srinagar for almost 1 year.

Area of Interest

- Cognitive Radios, OFDM
- Wireless Communication
- Free Space Communication

Papers Published

- Mohammad Abas Malik, G.R Begh and A.H Mir," Reduction of out of Band Radiation using Modified Constellation Expansion in OFDM based Cognitive Radios", International Journal of Computing and Network Technology, Vol.4, May 2016
- Mohammad Abas Malik, "Side lobe Suppression using AIC technique in OFDM based Cognitive Radios", International Journal of Advance Engineering and Research Development, Vol. 5, Jan-2018
- Malik, Mohammad Abas & Faheem, Pz. (2018). Integrated Home Automation and Security System Using Arduino MEGA and GSM. International Journal of Applied Management Sciences and Engineering. 52. 72-76.
- M. A. Malik, "Spectrum Shaping Using Guard Carriers in OFDM based Cognitive Radios," 2021 5th International Conference on Intelligent Computing and Control Systems (ICICCS), 2021, pp. 43-47, doi: 10.1109/ICICCS51141.2021.9432270.

Book Chapters

- Malik, M.A., Hassan, M.A., Shafi, A. (2021). IoT-Based LPG Leakage Detection System with Prevention Compensation. In: Malik, H., Fatema, N., Alzubi, J.A. (eds) AI and Machine Learning Paradigms for Health Monitoring System. Studies in Big Data, vol 86. Springer, Singapore. https://doi.org/10.1007/978-981-33-4412-9_17

Projects

- Worked on Minor Project as Co-Principal Investigator titled "Modelling and Compensation of Internal and External Noise Sources in Optical Network of BGSB University Campus" funded by TEQIP-III under Research Grant Schemes, grant of Rs 3 lakhs.

Conferences

- Presented a Paper on "IOT Based LPG Leakage Detection System with Prevention Compensation" in International Conference on Renewable Power-2020 (ICRP-2020).
- Participated in International E-Conference on "Strategies & Challenges in Higher Education during COVID-19 Lockdown Period in INDIA with reference to the world" organized by Government Vidarbha Institute of Science & Humanities Maharashtra from 15th May to 17th May, 2020
- Participated in E-Conference on Preparing for the Future work organized by Media Cell, BGSBU on 31st May, 2020

- Attended and presented paper in National Conference on Emerging Trends and Innovations in Electronics and Communication Engineering held on 26th and 27th August 2017 at BGSB University, Rajouri, J&K
- Organizing member in Emerging Trends and Innovations in Electronics and Communication Engineering conference held on 26th and 27th August 2017 at BGSB University, Rajouri, J&K
- Participated in World Telecommunication and Information Society Day (WTISD 2016) at NIT Srinagar
- Participated in Digital India week 2015 organized by NIT Srinagar.
- Attended IETE Conference at NIT Srinagar in 2013.

Awards and Recognitions

- Received **Gold Medal in B. Tech** from former CM of J&K Shri Omar Abdullah
- Received **Gold Medal in M. Tech** from the former Governor of J&K Shri N.N Vohra
- **GATE Qualified 3 times** in the subject Electronics & Communication Engineering
- **NET Qualified in Electronics**
- **Best Paper Award** in International Conference on Renewable Power-2020 for paper presented on "IOT Based LPG Leakage Detection System with Prevention Compensation"
- AIR - 38 in the 11th National Industry Targeted aptitude test.

CERTIFICATIONS AND MEMBERSHIPS

- CERTIFICATE OF MERIT from CBSE for reasons of outstanding academic performance and for being among top 0.1 percent of successful candidates in English Core (12th).
- CERTIFICATE OF MERIT from NIIT for securing grade 'A' in MS-word, MS-Excel, MS-PowerPoint and Internet.
- Member of Innovation Incubation and Entrepreneur Development (IIED) Centre NIT Srinagar.

- Attended four week MOOCs course on “Fundamentals of Outcome based Curriculum in Engineering Education” organized by National Institute of Technical Teachers Training and Research – Bhopal and got grade “A”
- Successfully completed ARPIT course Career Advancement Scheme(CAS) promotion on “Pedagogical Innovations And Research Methodology (Interdisciplinary)” from 1st December, 2020 to 31st March, 2021 and secured grade “A”
- Certificate of Primary Evaluator for active participation in Toycahon-2021
- Associate member of IET Engineers.
- IEEE Membership

Expert Talk

- **Invited Talk** on “Career Options After Engineering Or B.Tech” on GETI Learn Forum on 8th MAY 2021
- **Expert Talk** on “5G Technology” on the occasion of Induction Program of Engineering Batch-2019 organized by Dept. of SoET,BGSBU, August 28th, 2019
- **Expert Talk** on “Career Options after B.Tech and Importance of GATE Examination” on Alumina meet organized by Dept. of ECE, NIT Srinagar, Feb 7, 2018

Workshops/Orientation/Refresher/MOOCs and Short Term Courses

- Active participation in INNOVESTA 2021, Conducted by INNOVATION CLUB, Dr. B.R. Ambedkar NIT, Jalandhar from 25-26 September, 2021
- Workshop on “Cognitive Radio Communication” conducted by Dept. Of ECE, HIT Coimbatore in association with Pantech E learning Chennai on 24th May, 2021
- One Week Faculty Development Program on “Robotics System Design: Fundamentals, Challenges and Applications” conducted by IIT Ropar from 2nd November to 6th November, 2020.
- Successfully Completed ATAL Online FDP on “Artificial Intelligence” conducted by AICTE-ATAL from 1st October to 5th October, 2020
- Attended a Webinar on “Emotional Resilience in the times of Crisis” on 13th May, 2020 conducted by Media Cell, BGSBU
- Attended One Week online Faculty Development Program on “Moodle : Learning Management System” conducted by AMU from 27th May to 31st May, 2020
- **Successfully completed ARPIT course Career Advancement Scheme(CAS) promotion on “Pedagogical Innovations And Research Methodology (Interdisciplinary)” from 1st December, 2020 to 31st March, 2021 and secured grade “A”**
- Participated in One week short term course on “Life Skills Development” through ICT at BGSBU Rajouri conducted by NITTTR Chandigarh from 30th July to 3rd August, 2018.

- Participated in One week workshop on “One week Workshop on Machine Learning: Tools and Techniques” through ICT at BGSBU Rajouri conducted by Dept. of CSE & ITE in collaboration with AMU from 31st October to 4th November, 2018.
- Participated in One week short term course on “Tools for Scientific Research in Engineering & Science” through ICT at BGSBU Rajouri conducted by NITTTR Chandigarh from 12th November to 16th November, 2018.
- Participated in 82nd General Orientation Course conducted by UGC-HRDC, University of Kashmir from 25th February to 26th March, 2019 and secured Grade “A”
- **Attended four week MOOCs course on “Fundamentals of Outcome based Curriculum in Engineering Education” organized by National Institute of Technical Teachers Training and Research – Bhopal and got grade “A”**
- Participated in the MHRD-TEQIP-KITE Five day TEQIP-III Summer Training Program on Active Learning Workshop conducted by IIT Bombay from 4th June-8th June 2018.
- Attended GIAN Course on Network Information Theory at IIT Kanpur from 15th to 24th March 2018
- Participated in the Professional Development Training under TEQIP-III organized by IIM Udaipur from February 12 to 17, 2018 at Udaipur.
- Attended two days workshop on “TECHNOPRENEURSHIP” organized by University Polytechnic BGSB University Rajouri(J&K) in collaboration with ENOVATION LAB LLP (NITTR CHD START-UP) on November 7-8, 2017.
- Attended one-week Short Term Course on “MATLAB and LABVIEW with its Hardware Interface” through ICT conducted by Electrical Engineering Department from 29-01- 2018 to 02-02-2018
- Attended one-week Short Term Course on “Power Quality Monitoring and Analysis” through ICT conducted by Electrical Engineering Department from 30-10-2017 to 03-11- 2017
- Attended one-week Short Term Course on “SCILAB Programming” through ICT conducted by Computer Science & Engineering Department from 21-08-2017 to 25-08- 2017
- Attended STC on “Digital Signal Processing and Applications” at IISc Bangalore from 27th Feb to 3rd March 2017.
- Participated in the workshop on “Basics of MATLAB Programming & Simulink” , from 15th to 19th November 2016 organized by Department of ERE and CSE , BGSBU.
- Three days’ Workshop on “Estimation Theory for Communication and signal processing” at IIT Kanpur in 2015.

Sd/-

Mohammad Abas Malik