JANUARY

Dr. Praveen J, Professor, Department of Electronics and Communication Engineering **submitted DRDO Proposal on** 22/1/2021to conductOne Day National level workshop on Entrepreneurship opportunities in food processing" on 24/2/2021 at the GM Institute of Technology, Davangere in association with Defence Food Research laboratory (DFRL), Mysore.

He also submitted **AICTE Modrobes Proposal for 20 lakhs on** 20/1/2021 for Modernization of VLSI by using the Industry standard tool (Cadence tool).

PUBLICATIONS

The department faculties **Rajendra S Soloni and Rajappa H S** published their papers in the International Journal of Future Generation Communication and Networking, Vol. 13, No. 4, (2020), pp.4279–4288, titled**"Compact Spiral Shaped Multiband Frequency Reconfigurable Microstrip Patch antenna for Wireless Applications".**

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Compact Spiral Shaped Multiband Frequency Reconfigurable Microstrip Patch antenna for Wireless Applications

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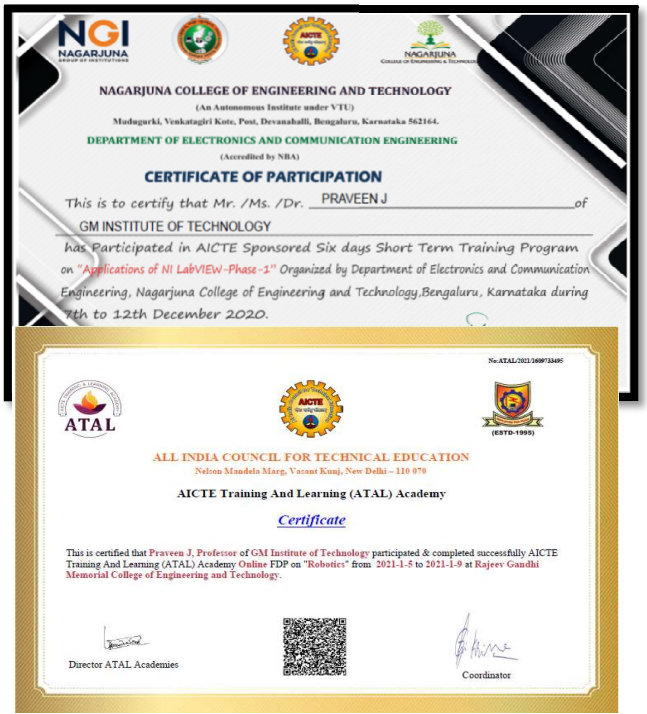
Abstract
A novel, frequency reconfigurable rectangular spiral-shaped patch antenna for UHF, L, S and C band wireless applications is presented. The projected reconfigurable antenna is able to operate at nine frequency bands 0.878-0.895, 1.33-1.37, 1.75-1.84, 2.14-2.29, 2.665-2.85, 2.71-2.85, 3.43-3.77, 4.71-5.16, 4.76-5.22 GHz. Rogers RT5880 substrate material with ε_r = 2.2 and thickness h =1.6 is used between radiating element and ground. By adding different strips, the radiating element changed into a rectangular spiral shape. Frequency reconfigurable is accomplished by integrating a PIN diode into a spiral arm. The proposed antenna displays VSWR of less than two, low return loss with appreciable gain, directivity and efficiency over desired frequency bands.

Keywords: Frequency reconfigurable antenna, PIN diode, Multiband antenna, Microstrip patch spiral antenna

FDPs

Dr. Praveen J, Professor, Department of Electronics and Communication Engineering Attended **AICTE** Sponsored 6-days short term training program on"**Application of NI Lab-View-phase-I**" conducted by the Nagarjuna college of Engineering & technology, Bangalore from 7th to 12th Dec 2020. Cleared all the training assignment and test exam and received certificate.



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
(Accredited by NBA)

CERTIFICATE OF PARTICIPATION

This is to certify that Mr. /Ms. /Dr. PRAVEEN J of GM INSTITUTE OF TECHNOLOGY has Participated in AICTE Sponsored Six days Short Term Training Program on "Applications of NI LabVIEW-Phase-1" Organized by Department of Electronics and Communication Engineering, Nagarjuna College of Engineering and Technology,Bengaluru, Karnataka during 7th to 12th December 2020.

ATAL

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION
Nelson Mandela Marg, Vasant Kunj, New Delhi – 110 070

AICTE Training And Learning (ATAL) Academy

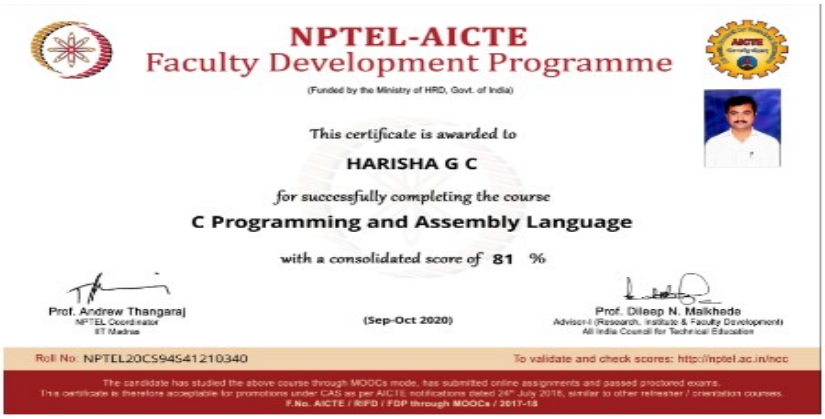
Certificate

This is certified that Praveen J, Professor of GM Institute of Technology participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Robotics" from 2021-1-5 to 2021-1-9 at Rajeev Gandhi Memorial College of Engineering and Technology.

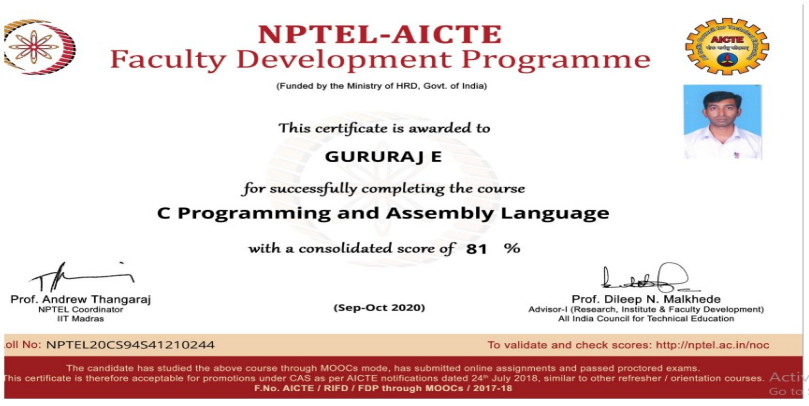
Director ATAL Academies

Coordinator

Dr. Praveen J, Professor, Dept. of Electronics and Communication Engineering **Attended One week AICTE Training And Learning (ATAL) Academy FDP** on "**Robotics**" conducted by Rajeev Gandhi Memorial College of Engineering and Technology. Andhra Pradesh from 5th to 9th January 2021. Cleared all the training assignment and test exam and received certificate.

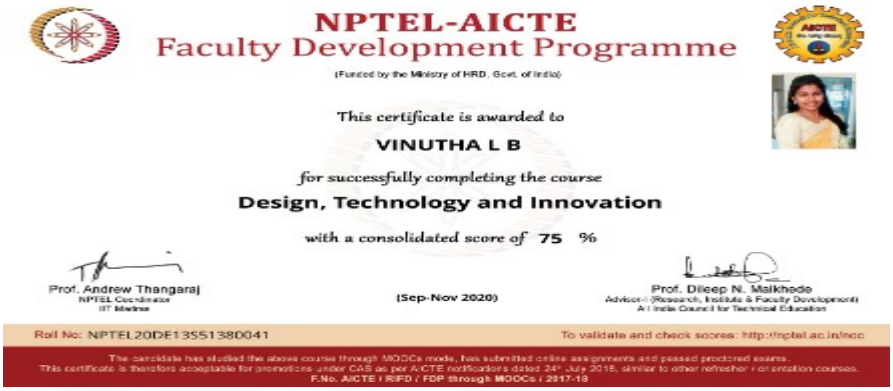


Mr. Harisha G.C has successfully completed the NPTEL online certification in C Programming and Assembly language with a score of 81% from Indian Institute of Science (IIT) Madras (Swayam)

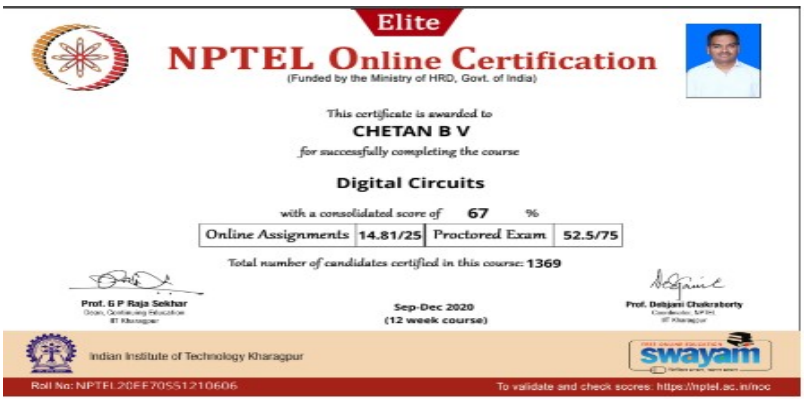


Mr. Gururaj E has successfully completed the NPTEL online certification in **C Programming and Assembly language** with a score of 81% from Indian Institute of Technology(IIT) Madras (Swayam)

Ms. Nagaveni S.A has successfully completed the NPTEL online certification **in Design, Technology and Innovation** with a score of 80% from Indian Institute of Technology (IIT) Madras (Swayam)



Mrs. Vinutha L.B has successfully completed the NPTEL online certification in **Design, Technology and Innovation** with a score of 75% from Indian Institute of Technology (IIT) Madras (Swayam)



Mr. Chetan B.V has successfully completed the NPTEL online certification in **Digital Circuits** with a score of 67% from Indian Institute of Technology(IIT) Kharagpur(Swayam)

Mrs. Asha T has successfully completed the NPTEL online certification in **Introduction to Research** with a score of 65% from Indian Institute of Technology (IIT) Madras (Swayam)