

# NEWSLETTER

VOLUME 4  
ISSUE 11-12  
MAY & JUNE- 2020



Monthly Newsletter of SET , MUST

PRATIBIMB

*"You may never know what results come of your actions, but if you do nothing, there will be no results". Mahatma Gandhi*

## Webinar on

### "University-Industry collaboration: Importance of specialized UG program with Industry leader, IBM"

A webinar on the topic, "University-Industry collaboration: Importance of specialized UG program with Industry leader, IBM" was organized jointly by Mody University and IBM India Pvt Ltd. The main objective of the webinar was to create awareness about the initiatives, which Mody University and IBM are taking to ensure that, the students have the best from Academia and Industry. The webinar was organized keeping in mind the audience comprising of registered students and their parents.

The webinar began with the address of Prof. V K. Jain Dean Academics followed by a short video of Mody University. In his address, Prof. Jain covered almost all the aspects necessary to showcase the academic environment in Mody University like ABET, Project-based learning, foreign internship, and CDC, etc.

The webinar was then handed over to IBM and Ms. Shefali Dutta of I B M gave a wonderful and informative presentation on "Emerging Trends & Technology: Supportive role of IBM". In her presentation, Ms. Dutta emphasized the importance of learning specialized technology like AI and Deep Learning, Cloud Computing, IoT etc. To develop interest among students, she gave numerous examples of the application of the above-mentioned technologies. A hand's on experience on Chatbot creation was given to students by Mr. Aman Bakshi to increase the confidence among students. While the webinar was going on, students and their parents were continuously asking queries through Chatbox available in Webex. Prof. V. K. Jain and Dr. Prateek Bhandi was available and continuously handling those queries through chat box only.

There were total 95 participants registered for the webinar and 41 participants attended the webinar. Few participants missed the webinar due to internet connectivity and thus recording of the webinar was sent to them on demand. Overall, the event was successful in promoting the collaborative efforts of Mody University and IBM, as far as academic learning and future career prospects are concerned.

**WEBINAR**  
POST COVID-19  
UNIVERSITY-INDUSTRY COLLABORATION:  
IMPORTANCE OF SPECIALIZED UG PROGRAM WITH INDUSTRY LEADER, IBM

**Ms. Shefali Dutta**  
IBM

**Mr. Aman Bakshi**  
IBM SME

**Dr. V.K. Jain**  
Mody University

**AGENDA**

- Kick off session on "Emerging Trends & Technology: Supportive role of IBM"
- Industry 4.0 and New Revolution 5.0
- 5 min Break (short video on Mody University glimpses)
- Scope of Analytics, AI, IOT & Role of Engineers
- Hands on session about Chatbot creation using IBM Watson
- Short Address by Prof. V. K. Jain, Dean Academics-MUST
- Q & A

**DATE : 04<sup>th</sup> JUNE 2020 | TIME : 11:30 AM**

Link for Registration <https://forms.gle/D4amX4HSZtaxbFNi6> (200 Seats Only).



## UNITE for Fight against COVID-19 Inter Club/Society e-Poster Competition of SET

E-Poster based upon the theme "Unite for Fight against COVID-19" and as per the data compiled by event coordinator Dr. Jeetu Sharma, the top III posters with maximum likes over various social media platforms are:

- IET (Winner)
- Karuna (First Runner-up)
- IEEE (Second Runner-up)



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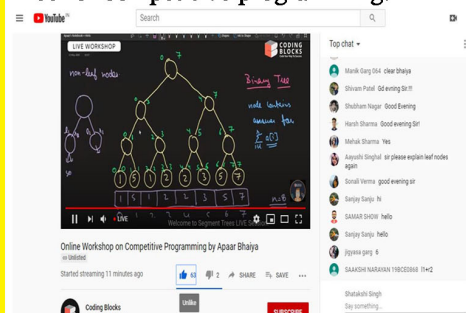
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## Online workshop on 'Competitive Coding'

Coding Blocks conducted an online workshop on 'Competitive Coding' on May 20, 2020. There was a participation of 100+ students from SET. Students were taught about basics of Segment Tree and Fenwick Tree for competitive programming.



## Webinar on "How to start contributing to open source"

A webinar was organized by IEEE Student Branch, MUST on "HOW TO START CONTRIBUTING TO OPEN SOURCE." on MAY,31 2020 at 5:00 pm via You tube Live .The event was huge success with total participation being 300+ from 40+ different colleges across India.

The speakers for the entire event were Jaideep Prasad and Anubhav Sinha who are an expert in this field and were also selected for Google Summer of Code in 2019.

The session was very informative and held properly with the basic formation keeping in mind that everyone is here to learn and is a beginner. Basics of Git and Github were discussed and how one can start contributing was the major agenda .The session ended with questions and answer round. The event was moderated by the IEEE –MUST SB. The feedback was very good and participants requested for more such webinars and events so that everyone can make most of these quarantine days.

## "30 days 30 Challenges"

An event is being organized by the IEEE Student Branch, MUST "30 Days 30 Challenges." The event began on 15th June and it will end on 15th July 2020. The event has been a huge success since day one with maximum participation; the event is being conducted via the social media platform-Instagram.

Each day a challenging question is being uploaded on the Instagram story of our page@ieee\_must and the first one to give the accurate answer is declared as the winner. Responses by each participant are being recorded, for every accurate answer a participant scores a point which helps the organizing committee to maintain a leader board. The questions mostly consist of brain teasers. The event is being moderated by the IEEE –MUST SB. The feedback so far is very good and participants feel very opportunistic to be a part of this event. Also, there is an increase in a number of participants each day.

The event is still going on and the results so far are as follows-

Winners so far:

DAY 1: ANUSHKA SRIVASTAVA (MU)  
DAY 2: LAVINA GARG(MU)  
DAY 3: MRS.PRIYA MALIK(JAIPUR)  
DAY 4: VANSHIKA ARORA(MU)  
DAY 5: KIRTI CHOUDHARY(MU)  
DAY 6: KIRTI CHOUDHARY(MU)  
DAY 8: CHELSI MAHESHWARI(MU)

## Ambassador for IEEE Xtreme 14.0

IEEE Xtreme is an annual 24 hr coding contests held all across the world. Shatakshi Singh, Secretary of IEEE Student Branch, Mody University got selected to serve as Campus Ambassador for IEEE Xtreme 14.0.

## Delhi SSN- Social Media Coordinator

IEEE Delhi Section Student Network (SSN) is a committee of student and senior members from all over Delhi Section to manage events and ensure smooth working of all student branches under Delhi Section. Shatakshi Singh from our student branch was selected to serve as Social Media Coordinator for Delhi SSN.

## FACULTY ACHIEVEMENTS

• Vikrant Sharma passed a 12-week (Jan-Apr 2020) NPTEL online certification course conducted by IIT Roorkee on "Production and Operation Management" with a 95 % Score.



**NPTEL Online Certification**  
(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

**VIKRANT SHARMA**

for passing the course

**Production and Operation Management**

with Score\* 95 %

Prof. V. C. Srivastava  
Coordinator, Certified Education Center  
IIT Roorkee

Indian Institute of Technology Roorkee

\*Continuous online assessment score



Jan-Apr 2020  
(12 week course)

Pratibimb Singh  
IIT Roorkee

Covid-19  
Impacted  
January 2020  
Semester

Swain

To validate and check scores: <https://nptel.ac.in/nc>



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• Vikrant Sharma participated in the one day E- Workshop on "Research Methodology and Hypothesis" on 14th June 2020 organized and conducted by Academic Research Practices.



• Dr. Atul Kumar has attended following three online workshops:

1. Two days online workshop on "Patent Drafting and Processing with Importance of Trademark and Copyright" conducted on 06th & 07th May 2020.



2. Two days online workshop & hands on training on "Computer Aided Engineering (CAE) Analysis using Hyper Mesh and DEFORM-3D" conducted on 16th & 17th May 2020.



3. One day online workshop on "How to write and publish research paper in Springer and Elsevier Journals" by Indian academicians and researchers association (IARA) and Jharkhand Rai University on 1st June 2020.



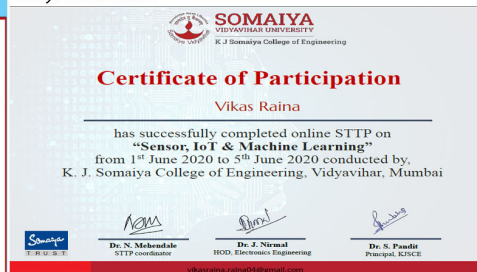
• Dr. Purnima Sharma has successfully completed, "Introduction to Communication Science", course authorized by University of Amsterdam and offered through Coursera. She has scored 90.2 % grade. This course introduces the field, basic theories, models and concepts related to the communication science.



• Dr. Sunita Kumari attended the Webinar on "Electricity Market and Use of Block chain In Power Sectors" on 23rd May, 2020



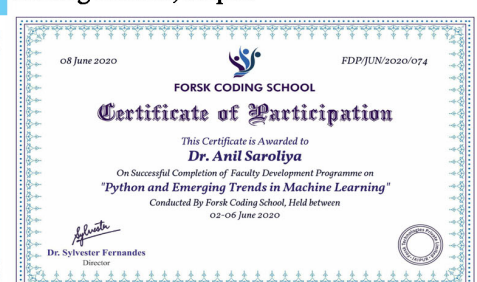
• Dr. Vikas Raina has successfully completed 5 days online STTP on "Sensor, IoT & Machine Learning" from 1st June 2020 to 5th June 2020 conducted by, K. J. Somaiya College of Engineering, Vidyavihar, Mumbai.



• Dr. Vikas Raina has actively participated in One Day WEBINAR on "Smart Energy Solutions to Boost Power Sector Economy During Pandemic" organized by Department of Electrical Engineering under the ages of Institution Innovation Council, on Saturday 06 June 2020.



• Dr. Anil Saroliya Participated and Successfully completed of Five day Faculty Development program (02-06 June 2020) on "Python and Emerging Trends in Machine Learning" conducted by Forsk Coding School, Jaipur.





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• Mr. Siddhant Kumar Singh participated one week online IFDP on "Tips and techniques of writing international quality research paper", by eBizee institute of IB and Entrepreneurship LLP, India from 15th to 19th June.

## Certificate of Achievement

This is to certify that

**Siddhanta Kumar Singh**

has successfully participated and completed the One Day Long Online International Faculty Development Programme titled "Tips and Techniques for Writing International Quality Research Papers and Publishing in Top Tier International Journals"

held between June 15, 2020 to June 19, 2020



Prof. Ravi Kumar, eBizee Institute of IB and Entrepreneurship LLP, India

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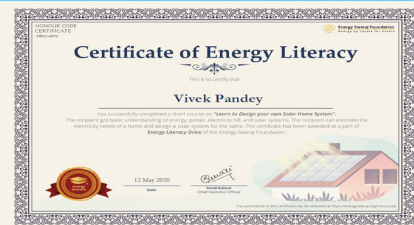
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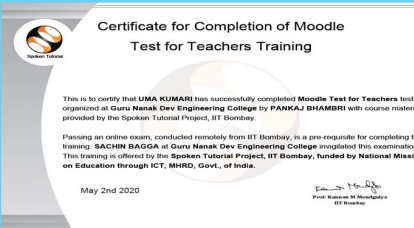
Prof. Ravi Kumar, eBizee Institute of IB and Entrepreneurship LLP, India

Prof. Ravi Kumar, eBizee Institute of IB and Entrepreneurship LLP, India

• Dr. Vivek Pandey participated in the one day E- Certificate course on "Learn to Design your own Solar Home System" on 12th May 2020 organized and conducted by Energy Swaraj Foundation.



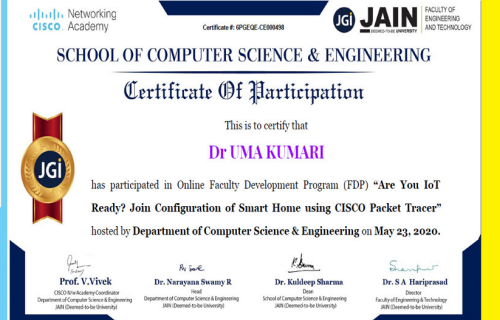
• Dr. Uma Kumari participated and successfully completed Moodle Test for Teachers test organized at Guru Nanak Dev Engineering College with course material provided by the Spoken Tutorial Project, IIT Bombay on 2nd May 2020. This training is offered by the Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt., of India.



• Dr. Anil Saroliya Participated and successfully completed online COVID-19 Awareness Quiz on May 18, 2020, conducted by Maharishi Markandeshwar University, MULLANA, AMBALA.



• Dr. Uma Kumari participated in Online Faculty Development Program (FDP) "Are You IoT Ready? Join Configuration of Smart Home using CISCO Packet Tracer" hosted by Department of Computer Science & Engineering, JAIN Deemed to be University, on May 23, 2020.



• Dr. Anil Saroliya Participated in a quiz competition on "TEST YOUR KNOWLEDGE ON PLAGIARISM" organised by Office of Dean (Research), Crescent Institute of Science and Technology, Vandalur, Chennai (scored 73% marks) in May 2020.



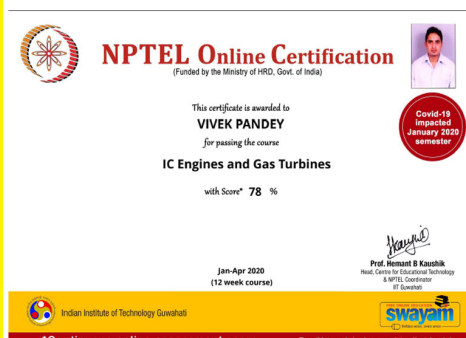
• Mr Vishal Sharma Passed an 8-week (Feb-Apr 2020) NPTEL online certification course conducted by IIT Kanpur on "Introduction to Blockchain Technology and Applications" with 78% Score.



• Mr. Siddhant Kumar Singh attended one day webinar on "Education for Gen Z Life from the prism of Literature", by Manipal University, Jaipur on 20th June.



• Dr. Vivek Pandey passed a 12-week (Jan-Apr 2020) NPTEL online certification course conducted by IIT Guwahati on "IC Engine and Gas Turbine" with a 78 % Score.





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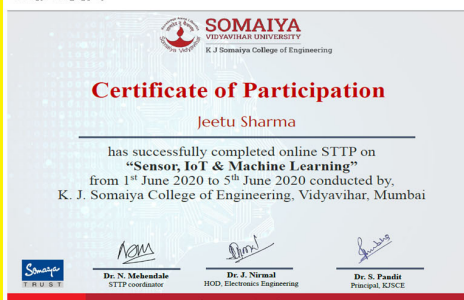
• Dr Jeetu Sharma has successfully completed 4 weeks course "Introduction to the Internet of Things and Embedded Systems" an online non-credit course authorized by University of California, Irvine and offered through Coursera from 3 April-3 May 2020.



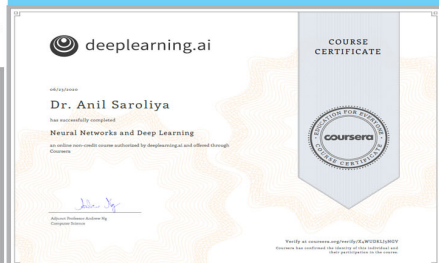
• Dr. Vikas Raina has successfully completed 4 weeks course "Introduction to the Internet of Things and Embedded Systems" an online non-credit course authorized by University of California, Irvine and offered through Coursera from 25 April-25 May 2020.



• Jeetu Sharma has successfully completed 5 Days online STTP on "Sensor, IoT & Machine Learning" from 1st June 2020 to 5th June 2020 conducted by, K. J. Somaiya College of Engineering, Vidyavihar, Mumbai.



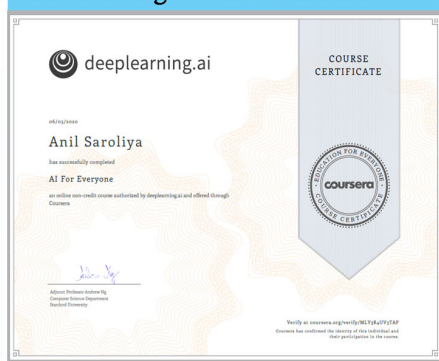
• Dr. Anil Saroliya has successfully completed "Neural Networks and Deep learning" course authorized by deeplearning.ai and offered through Coursera in June 2020.



• Mr Vishal Sharma Participated in the one day national level webinar on "Data Science for Prediction of Outbreak of COVID-19" on 12th June 2020 organized and conducted by Department of Computer Applications, Faculty of Science, Manipal University Jaipur.



• Dr. Anil Saroliya has successfully completed "AI for Everyone" course authorized by deeplearning.ai and offered through Coursera in June 2020



• Mr. Rajesh Yadav attended one day webinar 30th may on "Application Development in Cloud" organized by Department of Information Technology, Sadakathullah Appa College, Tirunelveli, Tamil Nadu.



• Dr. Jeetu Sharma has actively participated in One Day WEBINAR on "Smart Energy Solutions to Boost Power Sector Economy During Pandemic" organised by Department of Electrical Engineering under the aegis of Institution Innovation Council, on Saturday 06 June 2020.



• Mr Vishal Sharma Participated in the one day national level webinar on "Blockchain and its Applications" on 14th June 2020 organized and conducted by Department of Computer Science and Engineering, KLE DR. M. S. Sheshgiri College Of Engineering And Technology, BELAGAVI.





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• Dr. Anil Saroliya has successfully completed "Neural Networks (ANN) using Keras and TensorFlow in Python" course authorized by Udemey in June 2020.



• Mr Vishal Sharma Participated in the one day national level webinar on "Data Analytics with R" on 18th June 2020 organized and conducted by Faculty of Computer Applications, Marwadi University, Rajkot, Gujrat.



• Jeetu Sharma attended webinar on "Advancement in Microcontroller and Its Real Time Application" organized by Department of Electrical Engineering and Electronics & Communication Engineering on June 5th, 2020.



Convenor  
Ms Shuchi Shukla  
PIET Jaipur

Patron  
Dr Dinesh Goyal  
PIET Jaipur

• Dr. Vikas Raina has successfully completed his participation in the Webinar on "Industrial Attributes & Role of IoT during COVID-19" Dated 08-09 June 2020 organized by Department of Electronics & Communication Engineering, TeerthankerMahaveer University, Moradabad in association with Softpro India Computer Technologies Pvt. Limited.



• Dr. Jeetu Sharma attended one week online Faculty Development Programme on "Role of Energy Management in Smart City" organized by Department of Electronics Engineering and Department of Mechanical Engineering, School of Engineering and Technology, Sharda University, Greater Noida, Uttar Pradesh from 15-19 June 2020.



• Dr Satyajit Anand has been shortlisted as NPTEL Translator.

• Mr. Rajesh Yadav Participated 1 week online IFDP 12th to 17th June on "Digital Learning with Multidisciplinary Approaches (DLMA)" organized by Department of MCA, JSS Academy of Technical Education, Noida, U.P.



• Dr. Anil Saroliya Participated and Successfully completed of Five day Skill Enhancement program (09-13 June 2020) on "Deep Learning" conducted by Forsk Coding School, Jaipur.



• Mr Vishal Sharma Passed a 4-week Coursera online certification course conducted by "The State University of New York" on "Blockchain Basics" with a grade of 93.8%.





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• Dr. Anil Saroliya Participated in Three day FDP program (12-14 June 2020) on "Data Science with Python Programming" organised by Department of Computer and Electronics, Smt. KWC College, Sangli, Maharashtra.



• Mr Vishal Sharma Participated in the one day national level webinar on "Blockchain for IoT" on 20th June 2020 organized and conducted by Department of Computer Science and Engineering, Proudhavevaraya Institute of Technology, Hosapete, Karnatka.



• Dr. Jeetu Sharma attended Webinar on artificial intelligence on 22 June 2020 conducted by IEC-CET greater noida.



IEC COLLEGE OF ENGINEERING AND TECHNOLOGY, GREATER NOIDA  
(Affiliated to AKTU, Lucknow & Approved by AICTE & PCI)  
www.iec.edu.in

Department of Electronics and Communication Engineering

*Certificate of Participation*

THIS CERTIFICATE IS PRESENTED TO

**JEETU SHARMA**

of

Mody University of Science and Technology

has attended Webinar on "Artificial Intelligence" organized by Department of Electronics and Communication Engineering, IEC College of Engineering and Technology, Greater Noida on 22nd June 2020.

Prof. B.P.S. Sagar (Director Administration)  
Prof. Manoj Gang (Head of Department)  
Prof. Sanil Kumar (Director Academics)

• Dr. Prateek Bhandi participated in Faculty development programme (Online live instructor-led) on "Machine learning using python" conducted by EICT, Indian Institute of Technology, Roorkee from 21st April to 29th April, 2020. The EICT courses are recognized by AICTE at par with QIP for recognition/credit.

• Dr. Prateek Bhandi attended a National Webinar on "Applications of Mathematics and Contemporary use of its Scientific & Technical Terminologies in Hindi" organized by CSTT, Department of Higher Education, Ministry of Human Resource development from 14-16 June, 2020.

## FACULTY PUBLICATIONS / BOOK CHAPTERS:

• Nikhil Gakkhar, Manoj K Soni and Sanjeev Jakhar, "Experimental and theoretical analysis of hybrid concentrated photovoltaic/thermal system using parabolic trough collector, Applied Thermal Engineering (Elsevier), Volume 171, May 2020, Pages 115069-87, ISSN : 1359-4311 (Impact factor: 4.026, SCIE).

• Nikhil Gakkhar, Manoj K Soni, Sanjeev Jakhar, "Experimental investigation of exergy performance of a water cooled hybrid photovoltaic thermal collector", International journal of exergy, Volume 31 (Issue No.-04), May 2020, Pages 330-351, ISSN online: 1742-8300 (Impact factor: 1.13, SCIE).

• Shalini Joshi and Uma Kumari, Dynamic Threshold Based Load Balancing Algorithm-SJU, Lap Lambert Academic Publishing, April 2020, ISBN: 978-620-0-78568-8

• Sanjeev Jakhar, Mukul Kant Paliwal and Atul Kumar, "Modelling and simulation of photovoltaic thermal cooling system using different types of nanofluids" Book Name:- Advances in Air Conditioning and Refrigeration, Springer Nature Singapore Pte Ltd., 2021, eBook ISBN:- 978-981-15-6360-7, DOI:- 10.1007/978-981-15-6360-7.

G. Dhiman and R. Pourush, "Analysis on Variations of Metal Gate Work Function on Junctionless Double Gate MOSFET with High-k Spacers," 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3), Lakshmangarh, Sikar, India, 2020, pp. 1-4, doi: 10.1109/ICONC345789.2020.9117425.

• D. Kushwahah, P. Saurabh, R. Prasad and P. Mewada, "Text Message and Digital Image Secure for Discrete Shearlet Transform," 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3), Lakshmangarh, Sikar, India, 2020, pp. 1-6, doi: 10.1109/ICONC345789.2020.9117349.

• Vikas Raina, RanjanaThalore and Jeetu Sharma "Performance Estimation of a Wireless Sensor Network with a Mobile Sink Moving in Different Trajectories at Different Velocities," DOI: 10.2174/266625581366619121115247, Free Scopus Indexed International Journal.

• P. Poonia and V. K. Jain, "Short-Term Traffic Flow Prediction: Using LSTM," 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3), Lakshman-garh, Sikar, India, 2020, pp. 1-4, doi: 10.1109/ICONC345789.2020.9117329.



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- R. Thalore, R. Monir, V. Raina and J. Sharma, "Impact of ZigBee Coordinator on Archimedes' Spiral based Mobile Network Design in 3D," 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3), Lakshmangarh, Sikar, India, 2020, pp. 1-4, doi: 10.1109/ICONC345789.2020.9117396
- Ambika and G. Dhiman, "Design and Performance Analysis of Germanium-Based Junction-less Double Gate MOSFET," 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3), Lakshmangarh, Sikar, India, 2020, pp. 1-4, doi: 10.1109/ICONC345789.2020.9117304.
- S. Choyal and A. K. Singh, "An Acoustic based Roadside Symbols Detection and Identification using Faster RCNN and SSD," 2020 International Conference on Emerging Trends in Communication, Control and Computing (ICONC3), Lakshmangarh, Sikar, India, 2020, pp. 1-4, doi: 10.1109/ICONC345789.2020.9117222.
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