

ICDML 2020

A Two Day AICTE sponsored Online International Conference on Data Science, Machine Learning and it's Application.

9th and 10th October,2020



SRIDEVI WOMAN'S ENGINEERNING COLLEGE
Vattlnagulapatly, gandipet, Hyderabad-500075
Approved by AJCTE & Govt. of Telangana, Affiliated to
INTUH

Accredited by NBA, and NAAC, An ISO 9001:2015 Certified Institution



Data Science, Machine Learning and It's Application.

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Proceedings messages



It gives me immense pleasure to be a part of the Two day AICTE sponsored Online International Conference on "Data Science, Machine Learning and its applications". I would like to congratulate the entire SWEC team for organizing this conference and wish you all success in its execution.

ICDML2020 is a perfect platform to collaborate with experts into Data Science and Machine Learning who will showcase high-end research papers and its applications that can solve social and economic problems.

This pandemic has changed the way we use technology and stay remotely connected and yet be productive. Smart cities, digital learning and work from home have become the "new normal".

ICDML2020 aims to witness knowledge sharing and showcasing of machine learning and data science products by scientists and practitioners from academia and Industry. Be it any industry today; Information Technology, Banking, Finance and Healthcare automation and innovation is revolutionizing almost everything.

This conference will discuss and bring everything which may be of interest to persons with an inclination towards computing, Data Science and Machine Learning.

All the best to you all!

Smt. K. Jyothi Devi Chairperson Sridevi Education Society

Prinicipal Message



It is my privilege to announce that the proceedings of ICDML2020 are ready for publication. The conference proceedings give an insight into the scope of the imagination, creativity and research depth of our participants. I applaud the editorial team for the hard work and dedication they have invested in realizing this goal, and wish all the participants and colleagues great success in all their future endeavours.

ICDML2020 conference aims to provide a platform for researchers across the globe to present their innovative ideas and share technical knowledge on Data Science, Machine Learning and their applications. This conference encourages own copyright papers in the diverse domains pertaining to the field of Data Science and Machine Learning. The participants will be benefited by mutual exchange ofideas and research innovations. The conference proceedings aim to publish quality and unpublished work.

I congratulate the team of faculty for their tireless efforts that have come to fruition in the form of this conference proceeding. I wish it all success and hope that this tradition that has been set by the current team will be carried through by the following generation of the college.

I express my sincere gratitude to the Management of SWEC for motivating and supporting us in the path to realize our vision and enable us to take the Institute to scale new heights.

Mmalli

Dr. B.L. Malleswari Principal Sridevi Women's Engineering College

Editorial



We are delighted to bring out the ICDML2020 proceedings despite the current pandemic situation. It is a moment of pride for us to have organized the Two day AICTE sponsored Online International Conference in Data Science, Machine Learning and its applications. The aim of the conference is to publish good quality papers that are original and credible. The papers of the scholars have significantly contributed to the effectiveness and equitability of scientific information disseminated.

The participants selected their topics from a wide range of options and published their research papers that demonstrate knowledge and expertise. We are glad to have received good feedback from the multidisciplinary audience who participated in the conference.

We received close to 321 abstracts from research scholars, faculty and professors. The technical committee reviewed and selected the best papers from those for oral presentations. 70 papers were selected and they were given the opportunity to present. This volume contains 36 Data Science and 34 Machine Learning papers. Research papers published in this issue are expected to be of much interest to the readers.

On behalf of all the committees, I would like to express my deep gratitude to everyone who has showed immense interest and passion to submit such a variety of abstracts, share their presentations and articles for publication.

I would like to thank the Technical Committee and the Advisory Board for their expertise and support in reviewing and shortlisting the research papers.

I would like to thank the Editorial committee who in coordination with other committees has showed us an exemplary example of team work and excellent planning in bringing out this issue on time.

Dr. S Jagadeesh Editor SWEC

Message from Guest



Smt. P. SABITHA INDRA REDDY MINISTER FOR EDUCATION Government of Telangana.

I am glad to note that Sridevi Women's Engineering College is organizing a two day online International Conference and would like to congratulate the Management, the Principal and the faculty of Sridevi Women's Engineering College.

I am sure this conference on Data Science, Machine Learning and its applications will offer a great platform to the Academicians, Research Scholars, Faculty and Industry practitioners for the exchange of the latest developments, ideas and research.

I wish this conference to be a splendid event, both in terms of intellectual quality and social gratification. You have the right mix of topics, diverse set of speakers and high-level array of participants that will definitely make it a successful event.

My best wishes to you all for making it very engaging and insightful conference with great learning experience during this pandemic situation.

(P.SABITHA INDRA REDDY)

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IMPORTANT DATES

Abstract and Registration Start Date Abstract and Registration End Date Paper Submission Last Date Paper Selection Last Date

Paper Presentation Confirmation Date

- Aug. 31st, 2020 - Sept. 10st, 2020 - Sept. 15st, 2020

July 30"

ABOUT ICOMI, 2020

Sridevi Women's Engineering College is organizing an International Conference sponsored by AICTE on Data Science, Machine Learning and its Applications (ICDML2020).

The conference provides a premier forum that brings together Research Scholars, Faculties, Industry practitioners, as well as developers and users in Electronics, Electrical, Computer Science, and Informatio technology for the exchange of the latest theoretical developments in Data Science and Machine Learning and

The Conference invites submission of papers describing innovative research on all aspects of Data Science and Machine Learning as well as application-oriented papers that make significant, original, and reproducible contributions to improving the practice of Data Science and Machine Learning analytics in real-world

ICDML2020 offers a knowledge sharing opportunity at two levels - research track and use of new research

ICDML2020 will also feature a peer-reviewed Industry session, whose purpose is to showcase recent and early-stage research developments on topics that are of interest to Faculty and industry practitioners in Data Science and Machine Learning.

CONFERENCE TOPICS

We welcome original research papers on all aspects of data science in relation to machine learning, including but not limited to the following topics:

- * Fusion of information from disparate sources
- Feature engineering. Feature embedding, and data
- * preprocessing
- Learning from network data
- *Learning from data with domain knowledge
- * Evaluation of Data Science systems
- * Risk analysis
- Causality, learning casual models
- * Deep learning
- * Autonomous systems
- Analysis of Evolving Social Networks
- Embedding methods for Graph Mining
- Online Recommender Systems
- * Augmented Reality, Computer Vision * Green Data sciences

- Cloud computing
- * 5G communication and systems
- * Cyber security and Forensic science
- * Cybersecurity management and Al
- 10T data analytics and Big Data
- * Ethics and explainability * Power Electronic Converters and Control Systems
- * High Voltage Engineering
- * Electric Machines and Drives * Renewable Energy Resources
- * Distributed Generation and Grid Interconnection Electric Vehicles
- * Energy Storage & Battery Charging Techniques
- Power Quality issues
- * Microgrid & Smartorid

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Our Sincere tranks to Vice Chancellor-JNTUH, Registrar-JNTUH, Rector-JNTUH, DAP-JNTUH and At the HoDs & Faculty-JNTUH, Hyderahad



ABOUT SWEC

Sridevi Women's Engineering College (SWEC) was established in the year 2001 with the approval from AICTE, New Delhi and Government of A.P. The College is affiliated to J.N.T.U. Hyderabad and is sponsored by Sridevi Education Society. The core objective of the institution is to contribute to the Educational needs of State and Nation, with an emphasis on promoting girl education and women empowerment.

Sridevi Women's Engineering College provides an excellent academic environment and latest learning resources to help students make the most out of their career goals.

The Institute, besides aiming at shaping its students into healthy and disciplined young citizens of character and culture, places emphasis on practical and professional experience so as to enable them to secure employment in industries immediately after completion of their studies and also become entrepreneurs. The Institute is developing close contact with a large number of industries situated in and around Hyderabad for mutual benefit

To attract the finest talent by creating an atmosphere conducive to learning and to train and empower female professionals with global skills thereby assigning their legitimate place of honour in the society

Vision

To create a center for excellence in engineering by imparting knowledge and skills.

To facilitate women empowerment by enhancing their technical competency and intellectual capabilities To create a conducive work environment with an equally competent and experienced team that derives strength from each other.

PUBLICATIONS

All selected Papers for Presentation will be Published in any one of the following list of Journals as per Participant's

* SCL/SPRINGER /ELESIVER AVILEY JOURNALS a. MSSP-SPRINGER, ISSN: 0923-6082

b. SCIAS-SPRINGER, ISSN: 2210-5379

- Web of Science /ESCI / UGC Care Group-II Journals a. IJFCN, ISSN: 2233-7857 b. IJGDC, ISSN: 2005-426
- c IJDRBC, ISSN 2207-8363 Indexed in UGC Care and UGC approved Journals
- a: IJERT, ISSN: 2278-0181 b. D.R.S. Research Journal, ISSN: 2347-7180 vering College ,Hyderabad, Telangana

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Authors are invited to submit their Papers through Easy chair link https://easychair.org/cfp/ICDML2020



October 09th-10th, 2020

A Two Day AICTE Sponsored

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ON DATA SCIENCE, MACHINE LEARNING & IT'S APPLICATIONS



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Mrs. M.Sandhyarani - Training Head

Call for Papers

Papers are invited on below listed Topics:

- * Power Electronics Converters and Control systems
- * Fusion of information from disparate sources
- * Cyber security and Forensic science
- * Learning from network data
- *Learning from data with domain knowledge
- * Evaluation of Data Science systems
- * Risk analysis
- * Causality, learning casual models
- * Deep learning
- * Autonomous systems
- * Analysis of Evolving Social Networks
- * Embedding methods for Graph Mining
- * Online Recommender Systems
- * Augmented Reality, Computer Vision * Green Data sciences
- * IoT data analytics and Big Data
- * Cloud computing

Contributions must contain new, unpublished, original and fundamental work relating to the Machine Learning journal's mission. All submissions will be reviewed using rigorous scientific criteria whereby the novelty of the contribution will be crucial.

NO REGISTRATION FEE

Important Dates

Abstract and Registration Start Date Abstract and Registration End Date Paper Submission Last Date Paper Selection Last Date Paper Presentation Confirmation Date - Sept. 20th, 2020

- July 30th, 2020

- Aug. 31st, 2020

- Sept. 10th, 2020

- Sept. 15th, 2020

Paper Submissions

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b. SCIAS-SPRINGER, ISSN: 2210-5379

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About the college

Sridevi Women's Engineering College

was established in the year 2001 with the approval from aicte, New Delhi and Government of A.P. The College is affiliated to J.N.T.U. Telangana and is established by sridevi education society. The core objective of the institution is to contribute to the Educational needs of State and Nation, with an emphasis on promoting girl education and women empowerment. Our total strength sums up to 2600. The EAMCET code is SDEW and college code is D2.

Sridevi Women's Engineering College provides an excellent academic environment and latest learning resources to help students make the most out of their career goals.

Vision

To attract the finest talent by creating an atmosphere conducive to learning and to train and empower female professionals with global skills thereby assigning their legitimate place of honour in the society.

Mission

To create a center for excellence in engineering by imparting knowledge and skills.

To facilitate women empowerment by enhancing their technical competency and intellectual capabilities.

To create a conducive work environment with an equally competent and experienced team that derives strength from each other.



