



IT-DIGEST

DEPARTMENT OF INFORMATION TECHNOLOGY

Bi-ANNUAL MAGAZINE
ISSUE-3
JUNE-2022



DEPARTMENT OF INFORMATION TECHNOLOGY

MAGAZINE

***IT-DIGEST
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IT-DIGEST



Meerut Institute of Engineering and Technology

N.H. 58, Delhi-Roorkee Highway, Baghpat Bypass Road Crossing,

Meerut, Uttar Pradesh 250005



About Program

Department of IT got NBA accredited for 3 year (2020-21 to 2022-23)

Information Technology (IT) is a broad subject which deals with technology and other aspects of managing and processing information. The umbrella of IT incorporates multiple technological aspects of computing. IT has changed the way of our life and the pace of change is very fast. This scenario is giving us new opportunities in varied domains. To continuously learn and grasp new technologies is a real challenge for IT professionals.

Creating such professionals that take up this challenge and rise to the apex is our goal. Department also contains well qualified faculties with M.E. / M. Tech .They are technically and practically sound in various fields. The Department offers a unique combination of courses and project that helps the students to cope with the recent advancements in the computer industry and information technology. We are committed to give students an environment to nurture their talent in to its fullest potential. This is achieved by experienced faculty members, year round conduction of numerous seminars, guest lectures, and industry academia interaction, co-curricular &extra-curricular activities.

Vision

To become a prominent department in nation which provides quality education, keeping pace with rapidly changing technologies; and to create technical graduates of global standards, who develop capabilities of accepting new challenges in the field of Information Technology.

Mission

1. To provide quality education in the core and applied areas of Information Technology, and develop students from all socio-economic levels into globally competent professionals.
2. To impart professional ethics, social responsibilities, moral values and entrepreneur skills to the students.
3. To invigorate students skills so that they deploy their potential in research and development, and inculcate the habit of lifelong learning.

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Program Educational Objectives

- PEO 1:** Students will have successful careers in IT and allied sectors with high quality technical skills for global competence.
- PEO 2:** To bring the physical, Analytical and computational approaches of IT to solve real world Engineering problems and provide innovative solutions by applying appropriate models, Tools and Evaluations.
- PEO 3:** Be adaptable to rapidly changing technological advancements through continuous learning and research to meet the diversified needs of the industry.
- PEO 4:** Students to imbibe professional attitudes, Team spirit, effective communication and contribute ethically to the needs of the society with moral values.
- PEO 5:** Encourage students for higher studies and entrepreneurial skills by imparting the quality of lifelong learning in emerging technologies and work in multidisciplinary roles and capacities.

Program Specific Outcomes

- PSO-1:** Ability to apply and analyses computational concepts in the areas related to algorithms, machine learning, cloud computing, web designing and web services.
- PSO-2:** Ability to apply standard practices and methodologies in software development and project management.
- PSO-3:** Ability to employ fundamental concepts and emerging technologies for innovative research activities, carrier opportunities & zeal for higher studies.

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Director message



The institute provides an open environment with best quality class rooms, laboratories, skill enhancement centers and library facilities to the students and faculty. Faculty is groomed in philosophy of outcome based education and nurtured to implement innovative pedagogical techniques. The campus boasts of well-furnished hostels, sports infrastructure, guest-house, auditoriums, training and placement cell, canteen and faculty residences. The institute is focused on students' overall personality development and positive transformation through academic excellence. In order to align with major policy initiatives of Make in India; Digital India; Start-up India; the Institute has established Incubation Centre to support technology and knowledge-based entrepreneurship. Spirit of innovation in all domains of academics and research is being driven through collaborations with National and International Institutions of repute, Industry and our vast pool of successful alumni. I invite young and aspiring individuals to join us in our journey for achieving professional excellence and become a part of our exciting and vibrant learning community.

Prof. (Dr.) Arun V. Parwate
B.E., M.E., Ph.D.

Meerut Institute of Engineering and Technology

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HOD Message



It gives me immense pleasure to lead the department of Information Technology. The primary focus of the department is to empower our student with overall development. We, team-IT our working with the following objectives. To mature the students with multidimensional skill sets to focus on outcome based education by innovative pedagogy, industry-academic interaction and doing live project etc.

Dr. Swati Sharma

Associate Professor & Head
M.Tech, Ph.D.

Meerut Institute of Engineering and Technology

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Editor Message



This is the 3rd Issue of IT-Digest till now, IT Digest issue have the insight of the Information Technology Department of MIET. I would like to propose that we will include the some creativity section. So I will motivate and welcome to the students to write all types of article, blogs & drawing to publish in the next issue of magazine. The reflection of the students' creativity and achievements is the epitome of the magazine. Students have put forth their ideas and thoughts that are too deep to be expressed and too strong to be suppressed.

Mr. Ajay Kumar
Assistant Professor
B.Tech, M.Tech

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Vision of the Department

To be an excellent department that imparts value based quality education and uplifts innovative research in the ever-changing field of technology.

Mission of the Department

1. To fulfill the requirement of skilled human resources with focus on quality education
2. To create globally competent and socially responsible technocrats by providing value and need based training.
3. To improve Industry-Institution Interaction and encourage the innovative research activities.

Inside

COLLEGE ACHIEVEMENTS

WEBINAR

FDP

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EVENTS

**DEPARTMENT OF INFORMATION TECHNOLOGY
NEWSLETTER JUNE 2022**

MIET is emerging as a new innovation hub

Jewellery is an expensive item which is mostly liked by the women and it has been observed that the cases of chains snatching are increasing day by day. So an inovator Shyam Chaurashiya from MIET has developed a smart system using Wi-Fi, GPS & Bluetooth which will be inbuilt in the jewellery to prevent from theft.



पेपर मिल में वेस्ट से पेपर बनने की तकनीक को समझा



जनसागर टुडे संवाददाता

मेरठ। मेरठ इंस्टिट्यूट ऑफ इंजीनियरिंग एंड टेक्नोलॉजी के बायो टेक्नोलॉजी एवं माइक्रो बायोलॉजी विभाग के छात्र-छात्राओं ने बिंदल पेपर मिल लिमिटेड का औद्योगिक भ्रमण किया। इस दौरान गुजफकरनगर स्थित पेपर मिल में 50 छात्र

छात्राओं के दल ने कृषि उत्पादों के वेस्ट से पेपर बनने की तकनीक को समझा। औद्योगिक भ्रमण का आयोजन विभाग के असिस्टेंट प्रोफेसर डॉ अमित वशिष्ठ एवं साक्षी अहलावत ने किया। माइक्रो बायोलॉजी एवं बायो टेक्नोलॉजी विभाग की प्रधानाचार्य डॉ शालिनी शर्मा ने छात्रों को बधाई दी।

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परिवार का मोल

रिश्तो की क्या परिभाषा है
अब कैसे कोई बतला पाएगा
परिवार की मोतियों की माला
देखो तो कैसे टूट गई
इधर-उधर बिखरे हैं मोती
इनको अब समेटेगा कौन
जहां भी देखो यह रुठा है वह रुठा है
सब के सब तो रूठे हैं
इनको अब मनाए कौन
जाने कैसी बयार है
उठता यह सवाल है
हमने यह माहौल बनाया
गिरतो को कभी ना उठाया
तुमको तो मिला था विरासत में
यह सुंदर परिवार समाज रिश्ता सारा
रुक कर सोचो तो जरा एक घड़ी
यह जो छोटी मुन्नी है तुम्हारे पास में है खड़ी
देखो तो इसकी ओर जरा
इसकी आंखें तुमसे करती यह सवाल है
अकेला मुझको कर दिया है और
जब छोड़कर मुझको तुम भी जाओगे
किसके साथ अपने दुख बांटूगी
किसके साथ त्यौहार मनाऊंगी
क्या कर जाओगे तुम इसके लिए
तुम क्या दे पाओगे जैसे तुमको सुंदर परिवार मिला था
इसको कैसे बतलाओगे परिवार का मोल।
अभिनव, आईटी, तृतीय वर्ष

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WEBINAR ON MACHINE LEARNING FOR VEHICULAR COMMUNICATION MAY 2022



The poster features a background of a person in a white lab coat. At the top left is the MIET logo. In the center is the National Digital Library of India logo. At the top right is the Student Council of Information Technology (S.C.I.T.) logo. The main title is 'WEBINAR ON MACHINE LEARNING FOR VEHICULAR COMMUNICATION'. Below it, the date and time are 'Saturday 28 May, 2022 | Time 10:00 AM'. A note states 'Certificate to all the REGISTERED Participants through NDLI'. The registration link is 'https://forms.gle/QwPitBjH4d2aN7Bm7'. A portrait of Dr. Dinesh Singh is shown in a circular frame. Below the portrait, his name and title are listed: 'DR. DINESH SINGH (ASSISTANT PROFESSOR)'. At the bottom, the organizers are listed: 'Organized By Department of IT/CSE Faculty Coordinators Dr. Swati Sharma, HoD, IT Dr. Wakar Ahmad, Assistant Professor, IT'. The bottom right corner contains the address: 'MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD, PRAYAGRAJ-211004'.

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National Digital Library of India

STUDENT COUNCIL OF INFORMATION TECHNOLOGY (S.C.I.T.)

**WEBINAR ON
MACHINE LEARNING FOR
VEHICULAR COMMUNICATION**

GOOGLE MEET LINK
meet.google.com/ctk-awhc-qse

Saturday | Time
28 May, 2022 | 10:00 AM

Note: Certificate to all the REGISTERED Participants through NDLI

Registration Link: <https://forms.gle/QwPitBjH4d2aN7Bm7>

Organized By
Department of IT/CSE

Faculty Coordinators
Dr. Swati Sharma, HoD, IT
Dr. Wakar Ahmad, Assistant Professor, IT

DR. DINESH SINGH
(ASSISTANT PROFESSOR)
MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY
ALLAHABAD, PRAYAGRAJ-211004

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G-WEEKEND (THEME: GREAT OPPORTUNITIES OF LEARNING)



STUDENT COUNCIL OF INFORMATION TECHNOLOGY (S.C.I.T.)

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COMPUTER SOCIETY OF INDIA
ESTD. 1965

MEERUT INSTITUTE OF ENGINEERING AND TECHNOLOGY
SOCIETY OF ELECTRONICS ENGINEERS(SEE)
In Collaboration With
COMPUTER SOCIETY OF INDIA (CSI)
Is Organising
"G-WEEKEND"
for
Great Opportunities
Of
Learning
ON
4TH JUNE 2022- GIT/GITHUB
10:30AM-12:00PM
AND
5TH JUNE 2022- GRAPHIC DESIGNING
12:00PM-1:30PM
VENUE: GOOGLE MEET

Arjit Malik
SPEAKER
(GIT/GITHUB)
JAVASCRIPT DEVELOPER

Harsh Mishra
SPEAKER
(GRAPHIC DESIGNING)
THUMBNAIL/GRAPHIC DESIGNER

STUDENT CO-ORDINATOR
NIKETA SHISHODIA
BHAWNA
ESHA MOHAN
PIYUSH SHARMA

FACULTY CO-ORDINATOR
MR. PRAVEEN KR. CHAKRAVARTI
(SEE Coordinator)
Asst. Prof. (ECE Department)
MIET, Meerut
DR. MUKESH RAWAT
(CSI Coordinator)
Prof. (CSE Department)
MIET, Meerut
DR. Swati Sharma
(CSI Coordinator)
HOD IT Department

PARTICIPATION CERTIFICATES TO ALL STUDENTS
EXCITING PRIZES FOR WINNERS

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सावन आया झूम के

सावन आया झूम के
महके है डाली डाली
चिड़िया भी लगी चहकने
हवा चले मतवाली
चली पुरवाई - घटा नव छाई
देखो बागों में आ गई बहार
सावन आया झूम के.....
चलो घर आंगन में
मस्त सावन में
गाए सखी मल्हार
सावन आया झूम के.....
रुत आ गई प्यारी
झूले चलो कदम की डाली
अब तो आ गए तीज त्योहार
सावन आया झूम के...
बालों में गजरा अंखियों में कजरा
चलो करें सखी सोलह सिंगार
सावन आया झूम के...

आदित्य, आईटी, द्वितीय वर्ष

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Events

संस्कार विराट रायण मुखर, 05 अप्रैल, 2022 मेरठ/प्रसंगा

विश्व स्वास्थ्य दिवस पर एमआईटी में निशुल्क स्वास्थ्य जांच शिविर एवं राष्ट्रीय सेमिनार का आयोजन

कोविड-19 का प्रसारण बढ़ता जा रहा है। इससे निवारण के लिए स्वास्थ्य जांच शिविर का आयोजन किया गया।

मेरठ। महाराष्ट्र के पूर्व राज्यपाल एमआईटी में आयोजित कार्यक्रम का शुभारंभ किया गया। कार्यक्रम में मुख्य अतिथि महिला मानवसंसाधन विकास मंत्रालय की सहायक सचिव, महिला शक्ति अभियान 2.0 के तहत छात्राओं को किया जागरूक

एमआईटी में मिशन शक्ति अभियान 2.0 के तहत छात्राओं को किया जागरूक

मेरठ। महाराष्ट्र के पूर्व राज्यपाल एमआईटी में आयोजित कार्यक्रम का शुभारंभ किया गया। कार्यक्रम में मुख्य अतिथि महिला मानवसंसाधन विकास मंत्रालय की सहायक सचिव, महिला शक्ति अभियान 2.0 के तहत छात्राओं को किया जागरूक



रखा जाएगा। सभी छात्राओं को स्वास्थ्य जांच कराई जाएगी। कार्यक्रम में मुख्य अतिथि महिला मानवसंसाधन विकास मंत्रालय की सहायक सचिव, महिला शक्ति अभियान 2.0 के तहत छात्राओं को किया जागरूक

महिला स्वयं सहायता समूह की 21 महिलाओं का सम्मान

विद्यार्थी छात्राओं को स्वास्थ्य जांच शिविर का आयोजन किया गया। कार्यक्रम में मुख्य अतिथि महिला मानवसंसाधन विकास मंत्रालय की सहायक सचिव, महिला शक्ति अभियान 2.0 के तहत छात्राओं को किया जागरूक



मेरठ। महिला स्वयं सहायता समूह की 21 महिलाओं का सम्मान किया गया। कार्यक्रम में मुख्य अतिथि महिला मानवसंसाधन विकास मंत्रालय की सहायक सचिव, महिला शक्ति अभियान 2.0 के तहत छात्राओं को किया जागरूक

दैनिक जागरण

छात्र-छात्राओं को ट्रैफिक नियमों के प्रति किया जागरूक

जगरण संवर्धन, मेरठ: मेरठ इंस्टीट्यूट ऑफ इंजीनियरिंग एंड टेक्नोलॉजी में स्टूडेंट्स सुरक्षा जागरूकता अभियान के तहत रजिस्ट्रार को एसपी ट्रैफिक विवेक कुमार श्रेष्ठानंद और क्षेत्रीय उच्च शिक्षा अधिकारी डा. राजीव कुमार गुप्ता ने युवाओं को ट्रैफिक नियमों का पालन करने के लिए जागरूक किया। कार्यक्रम में बीएट, बीएससी छात्रों को ट्रैफिक नियमों का पालन करने के लिए जागरूक किया। इसमें सीट सेटिंग विषय पर



प्रतिरोधक से विज्ञापित छात्रों को सम्मानित करते एसपी ट्रैफिक व अन्वयन्त्री, संस्थान पोस्टर प्रतियोगिता और विक्व हूड। संस्थान विभिन्न विषयों पर आकषक छात्र-छात्राओं ने रोड सेफ्टी व फेस्टिव पेंटिंग प्रतियोगिता में भाग लिया। विजेताओं को ट्रैफिक नियमों का जागरूकता से सम्मानित भी किया गया।

NATIONAL LEVEL ARTICLE COMPETITION

National Level Article Competition
On
**ADVANCES IN COMPUTER SCIENCE, COMPUTATIONAL INTELLIGENCE,
ELECTRONICS AND COMMUNICATION**
01-02 June, 2021
No Registration Fee
National Level Certificate for all the selected participants

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Organized by
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Meerut Institute of Engineering & Technology, N.H. 58
Delhi-Roorkee Highway, Baghpat Road Bypass Crossing Meerut - 250005, UP (India)
MIET@miect.ac.in



In association with
MIET & CSIT Student Chapter

MIET, located in the National Capital Region, is one of the oldest self-financed Engineering Institutions in Uttar Pradesh and also one of the best. MIET is declared a STAR PERFORMER (an Academic Excellence Award by IIT/IITJ). Like a true leader, it has also served institutions in the field of technical education that are being followed by other institutions across the state now. MIET has an intensive academic program aimed at helping students to become the best. It provides to the finest faculty in its region, offers the best laboratory infrastructure, excellent hostel, mess facilities and provides several extra-curricular activities. It also has several student clubs in the state with over 95,000 members and subjects to a number of National and International journals.

TRACK 1: Computer Science and Application (CSA)

Algorithms and Applications, Software Engineering, Artificial Intelligence, Machine Learning, Big Data, IoT, Cloud Computing, Computer Architecture and Embedded Systems, Computer Graphics and Multimedia, Computer Security and Cryptography, Data Mining and Social Networks, Internet and Web Applications, Parallel and Distributed Computing, Soft Computing, Wireless Communication Networking, Mobile Computing, Systematics, Cellular Automata, Text-to-Speech Conversion, Signal and Image Processing, Energy and Power System Communication.

TRACK 2: Electronic Systems and Applications (ESA)

Microcontroller Devices, VLSI, MEMS, Signal Processing, Communication Networking, Machine Learning, AI, Microwave Communication, Optical Communication, Underwater Communication, Wireless Sensor Network, IoT, Embedded System, Industrial Automation, Robotics, Biomedical Instrumentation, Computational Instrumentation, Optical Instrumentation, Robotics, Control Systems, RF, Microwave and Antenna, Wireless Communication, Communication for Next Generation Network.

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Dr. Vinod Kumar Agarwal (Chairman, MIET Group)

PATRON

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Dr. Manish Gang (Chairman, MIET)
Dr. D. K. Sharma (Dean Academic, MIET)

CONVENOR(S)

Dr. Mukesh Rawat (CSE, MIET)
Mr. Gaurav Gang (IT, MIET)
Dr. Swati Sharma (IT, MIET)

RESOURCE PERSONS

Dr. Sandeep Agrawal (Program Manager & Delivery Head, TCS)
Mr. Mani Malhotra (Program Manager, IBM Research)
Mr. Yash Chandra (Delivery Head, ClientWise, Wipro Ltd.)
Mr. Anurag Gupta (EM, IBM)
Dr. P.S. Rana (Thapar University)
Dr. Anita Kaulik (BIT, Govt. of NCT of Delhi)
Mr. Ashish Goswami (RMC, Bhopal)

ORGANIZING COMMITTEE

Dr. Anshu Kumar (CSE, IITD)
Mr. Gajanan (IT, IITD)
Dr. Anshu Kumar (ECE, IITD)
Dr. Manish Tripathi

Dr. Neha Mittal
Mrs. Anjali Prakash

TECHNICAL TEAM

Dr. Ajay Kumar Singh
Dr. Vinod Kumar
Dr. Anurag Mani Tripathi
Dr. Anshu Kumar
Dr. Vinod Kumar
Dr. Rajesh Kumar
Dr. Waqar Ahmad
Mr. Nagesh Kumar
Mr. Mohd. Anis
Mr. Vijay Kumar Sharma
Dr. Shashwata Mishra
Dr. Subodh Tripathi

SOCIAL MEDIA CHAIR

Mr. Ajay Chaudhary
Mr. Vishwanath
Mr. Manish Mishra

WEB CHAIR:

Mr. Anshu Kumar
Mr. Anurag Mani Tripathi
Mr. Anshu Kumar
Mr. Nagesh Kumar
Mr. Manish Mishra

SUBMISSION LINK

<https://www.papertalk.org/>



JUDGEMENT CRITERIA

- The work will be judged by an expert committee based on the following criteria:
 - Originality and Creativity 40%
 - Relevance to real-world 30%
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- Maximum 2 participants in a team, selected team has to present the paper for nearly 10 minutes.
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- Final Article Presentation in 7 Final Month: 01.06.2021 & 02.06.2021
- Award Declaration: 15.06.2021
- Certificate Issuance: 25.06.2021

Link to join Inauguration ceremony on
1 June at 10:00 am

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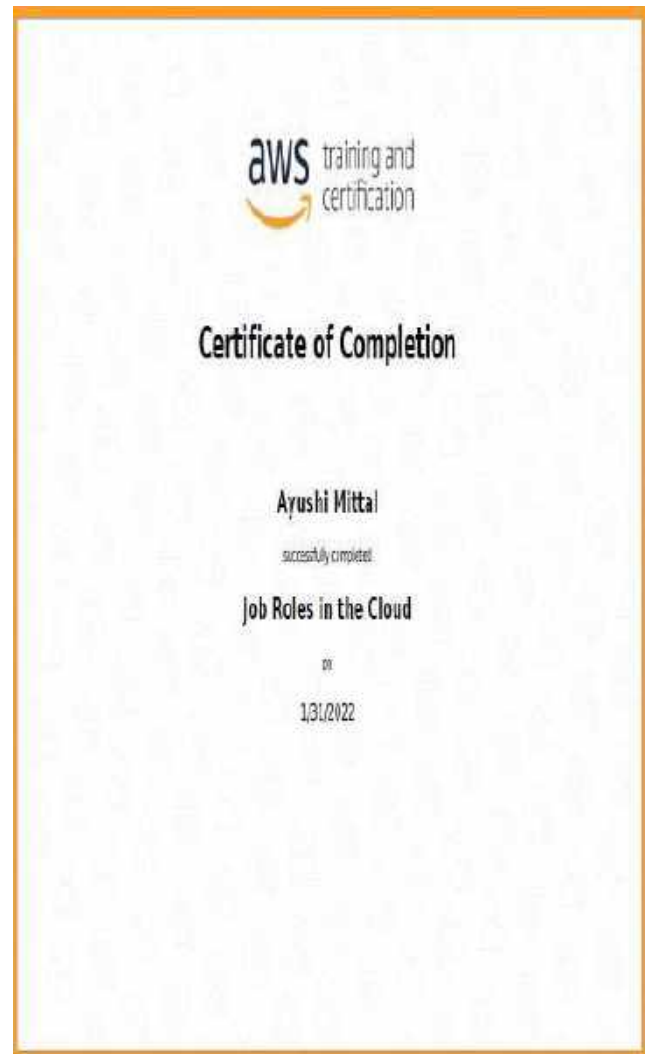


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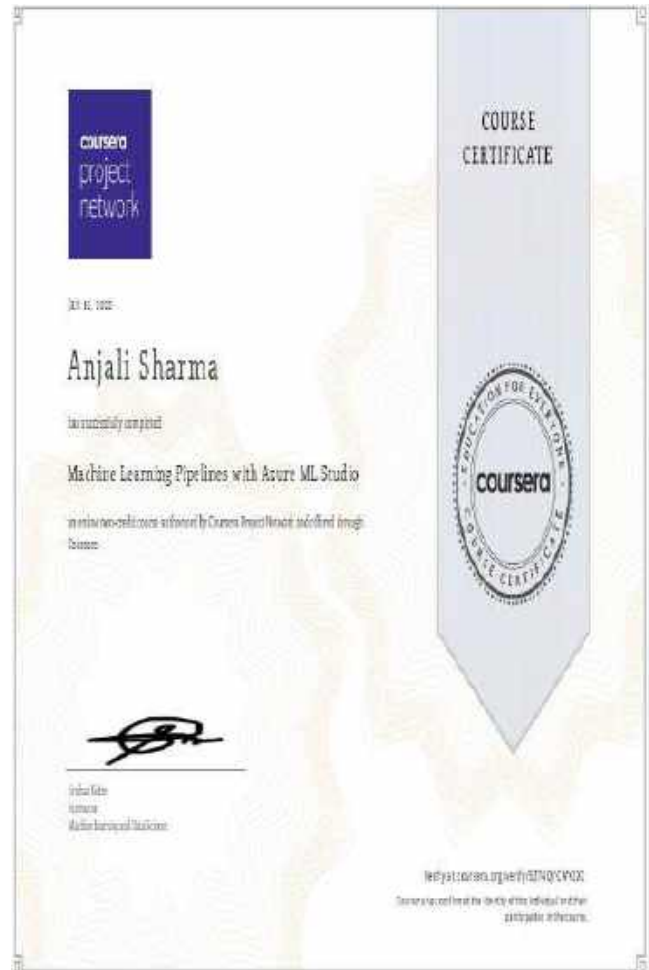
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PUBLISHED RESEARCH PAPER

International Journal by Dr. Swati Sharma (Department of Information Technology)

International Journal of Early Childhood Special Education (INT-JECSE)
DOI: 10.9756/INT-JECSE/V14I2.500 ISSN:1308-5581 Vol 14, Issue 02, 2022

Utilized Social Network Dataset for Opinion mining of Election Prediction using Deep Learning

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Abstract

This is the type of work which presents the power of volumetry and give assesses over sentiments which will lead the social media to approach and predict crucial decisions from these platforms. One's view plays an important role in the discovery of the critical decisions. Social media is playing a important role for voicing the emotions and depict the feelings of the common population around the world for the centuries. Mining the general view or feeling of the population is the method known as sentiment analysis or we can call it as opinion mining. In this way, the election results are been forecasted as an application under the sentiment analysis which usually aimed at the predication for the ongoing election based on the moods that people have by gauging social media. The techniques involving sentiment analysis outlined the survey of evaluation which makes the contribution in prediction for the election by the researchers with the help of the content over social media. The reviews over the political stance present all over the online platforms like facebook, Instagram or twitter had also tried for the infer which is being given by this paper. This paper leads in highlighting the challenges of the research which are being associated with the election result predictions and sentimental analysis has opened these issues. Moreover, this paper also includes some direction for the future over the prediction for election by the content over social media.

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International Journal by Mr. Ajay Kumar (Department of Information Technology)

Face Detection and Recognition using OpenCV



IJCA Social Web
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Foundation of Computer Science (FCS), NY, USA

Volume 184- Number 11

Year of Publication: 2022

Authors:

Ajay Kumar, Shivansh Chaudhary, Sonik Sangal, Raj Dhama

doi > 10.5120/ijca2022922085

Citation

Ajay Kumar, Shivansh Chaudhary, Sonik Sangal and Raj Dhama: Face Detection and Recognition using OpenCV. *International Journal of Computer Applications* 184(11): 23-32, May 2022. [BibTeX](#)

Abstract

OpenCV from Intel is a free and open-source image and video processing library. It is related to computer vision in terms of feature and object recognition, as well as machine learning. This paper introduces the main OpenCV modules, features, and Python-based OpenCV. The paper also discusses common OpenCV applications and classifiers that are used in these applications, such as image processing, face detection, face recognition, and object detection. Finally, we discuss some literary reviews of OpenCV applications in computer vision fields such as face detection and recognition, recognition of facial expressions such as sadness, anger, and happiness, and recognition of a person's gender and age.

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रिश्ता

रिश्ता क्या है तेरा मेरा
तू जाने या मैं जानूं
किसने कितना दर्द सहा है
तू जाने या मैं जानूं
जाने अनजाने ही ना जाने
कैसे कोई मिल जाता है
चाहो या ना चाहो फिर भी
अंतर्मन में चुपके से घर कर जाता है
रिश्तों के बंधन में क्या रखा
मेरे लिए तू तो है अनमोल
यह तो बस तू जाने ना मैं जानूं

आयुषी, आईटी , अंतिम वर्ष

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