

**Report on
XVII National Conference on
“Emerging Technology Trends in Engineering”
On 30th May-2021.**

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Introduction:

K.D.K. College of Engineering in association with Institute of Engineers,(IEI), IETE, New Delhi ISTE, New Delhi & ACM Nagpur professional chapter recently organized the “SPARK’21”-XVII National Conference on “Emerging Technology Trends in Engineering” on 30th May-2021. Firstly the inauguration function took place in the event, followed by the student’s presentations.

The function was presided by Hon. Shri Yashraj R. Mulak, Treasure (BCRYC & BMCT, Nagpur), Chief Guest Er. Deepak Birole, Senior Manager (Cognizant, Pune) and Guest of Honour Er. Rupal Shirpukar, Business Head (Cloud BU-APAC) Click2cloud Inc (IT park, Nagpur) gave best wishes for the successfully completion of conference.

Dr. A. A. Jaiswal, Head of Department of Computer Science & Engineering/Technology, Convener delivered welcome address & Prof. S. Malode, Co-Convener proposed the Vote of thanks. Dr. D. P. Singh, Principal, KDKCE and Dr. A. M. Badar, Vice-Principal, KDKCE and all other faculty members and faculty coordinators of different departments of KDKCE, Nagpur & student coordinators worked hard for the success of the event.

Objective of the SPARK’21-National Conference:

The Objective of conducting SPARK’21, a National Conference encompass knowledge dissemination, networking, professional development, research promotion, student involvement, industry interaction, best practice sharing, publication opportunities, inspiration and institutional recognition. These objectives collectively contribute to the advancement of knowledge, research and education in the field of engineering and technology.

K D K College of Engineering, Nagpur
In association with Institute of Engineers(IEI), IETE, New Delhi, ISTE, New Delhi & ACM Nagpur

**XVII National Conference on
"Emerging Technology Trends in Engineering"
on 30th May-2021.**

Venue: Inauguration: Online from Departmental Seminar Hall
Sessions: Online from Departmental Seminar Hall, KDKCE, Nagpur

Activity Report

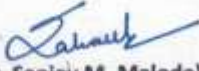
OBJECTIVE: Spark is a national conference organized to provide a common platform for students of engineering and technology with a view to exchange information, learn current practices, new trends, developments, implementation in various fields and to deliberate on them. This program aims at making the students aware of writing technical papers and adopting recent techniques for presentation.


K.D.K. College of Engineering in association with Institute of Engineers(IEI), IETE, New Delhi, ISTE, New Delhi & ACM Nagpur professional chapter recently organized the "SPARK'21"- XVII National Conference on "Emerging Technology Trends in Engineering" on 30th May-2021. The main objective behind conducting such program is to imbibe the presentation, interaction and report writing skills in the Students.

Almost 300 students of the college and from the state registered for the event.

Principal, Dr. D.P.Singh, Vice-Principal Dr. A M Badar and all the Heads of Department along with the faculties and students witnessed the event.

OUTCOMES: Conducting SPARK'21 result in numerous positive outcomes, including the advancement of knowledge, research promotion, professional development, student engagement, enhanced institutional reputation, industry collaboration, inspiration, knowledge transfer, community building. These outcomes collectively contribute to the growth and development of the students.


(Dr. Sanjay M. Malode)
Co-Convener, SPARK'21


(Dr. Ajay A. Jaiswal)
Convener, SPARK'21
H.O.D.
Computer Science & Engineering
K.D.K. College of Engineering, Nagpur

Invitation of Inaugural Function:



KDK COLLEGE OF ENGINEERING, NAGPUR

(Accredited By N.B.A. &NAAC)



Invitation

*We have a great pleasure in cordially inviting you to attend
Online Inauguration Function of the
XVII National Conference on
Emerging Technology & Trends in Engineering*

स्पर्क

- President of Function -

Hon. Shri Yashraj R. Mulak

Treasure, BCRYC & BMCT, Nagpur

- Chief Guest -

Er. Deepak Birole

Senior Manager, Cognizant, Pune

- Guest of Honour -

Er. Rupal Shirpurkar

Business Head (Cloud BU-APAC),
Click2cloud Inc, IT Park, Nagpur

Date : On 30th May , 2021, at 10.30 am.

Venue : Online Zoom Platform

Dr. A. A. Jaiswal Dr. S. M. Malode Dr. A. M. Badar Dr. D. P. Singh
(Convener - Spark 2021) (Co-Convener - Spark 2021) (Vice Principal KDKCE) (Principal KDKCE)

Minute-to-minute Schedule of SPARK'21:

SPARK-2021 XVII National Conference on Emerging Technology & Trends in Engineering

In Association with Institution of Engineers(I), Nagpur Local Centre, Indian Society for Technical Education(ISTE) New Delhi and Institution of Electronics & Telecommunication Engineering(IETE) Nagpur Local Centre and ACM Nagpur Professional Chapter

Organized by

K. D. K. College of Engineering, Nagpur

30th May, 2021



e-CONFERENCE Inauguration Function

Day/Date	Time	Events	Online Platform (Zoom) and Meeting ID
30th May, 2021	10:15 am to 10:30 am	Joining to Online meeting platform	Zoom Platform https://zoom.us/j/95059287176?pwd=MmN2aG9lN3hLTUR6MzRRWExjc0MrQT09
	10:30 am to 10:32 am	Welcome the Dignitaries	
	10:33 am to 10:35 am	Lightning of Lamp	
	10:35 am to 10:40 am	Flower welcome of Dignitaries	
	10:40 am to 10:45 am	Welcome and brief about the Conference by Convener : Dr. A. A. Jaiswal	
	10:40 am to 10:45 am	Conference Proceedings release	
	10:45 am to 10:50 am	Address by Vice Principal, KDKCE, Nagpur : Dr. A. M. Badar	
	10:50 am to 10:55 am	Address by Principal, KDKCE, Nagpur : Dr. D. P. Singh	
	10:55 am to 11.15 am	Address by Guest of Honour : Er. Rupal Shirpurkar , Business Head (Cloud BU – APAC) Click2Cloud Inc. Seattle, Washington	
	11:15 am to 11:35 am	Address by Chief Guest : Er. Deepak Birole , Senior Manager Cognizant ICC Trade Tower, SB Road, Pune	
	11.35 am to 11.40 am	Address by President: Hon. Shri. Yashraj R. Mulak Treasurer, BCYRC & BMCT Nagpur	
	11:40 am to 11:45 am	Vote of Thanks by Dr. S.M. Malode, Co-Convener	
	11.45 am	National Anthem	

Parallel Sessions of Paper Presentation

	11.45 am to 1.45 pm	Parallel session of Paper Presentation of CSE/CT/CE	Google Platform meet.google.com/uhf-ucsg-qdw
	11.45 am to 1.45 pm	Parallel session of Paper Presentation of IT	Google Platform meet.google.com/unu-vqsh-kow
	11.45 am to 1.45 pm	Parallel session of Paper Presentation of Electronics/ETC/EC	Google Platform meet.google.com/xsi-ayku-iwa
	1.00 pm to 4.00 pm	Parallel session of Paper Presentation of Mechanical Engineering	Google Platform meet.google.com/ysi-ursd-unv
	1.00 pm to 4.00 pm	Parallel session of Paper Presentation of Civil Engineering	Google Platform meet.google.com/xvi-tyhn-eti
	1.00 pm to 4.00 pm	Parallel session of Paper Presentation of Electrical Engineering	Google Platform meet.google.com/xvi-nher-rli
	1.00 pm to 4.00 pm	Parallel session of Paper Presentation of Basic Science & Humanities	Google Platform meet.google.com/zxv-hjuy-trc
	2.00 pm to 4.00 pm	Parallel session of Paper Presentation of Master of Business Administration	Google Platform meet.google.com/vbl-trix-znv

Invited Eminent Speakers:

Sr.No.	Eminent Guest Speakers	
1	<p>Deepak Birole - is an alumnus of our college and was one of the university toppers in 2003 Computer Technology batch.</p> <p>He is an accomplished Executive with Domestic and International expertise in many renowned Multinational companies for the past 18 years. He has a vast experience of Pre-sales in the IT Infrastructure space for multiple industry verticals and is currently working as a Lead - Hybrid Cloud Solution Architect in Cognizant for Life Sciences customers.</p>	 A portrait of a man with dark hair, a mustache, and glasses, wearing a grey suit jacket, a light blue shirt, and a patterned tie. He is looking directly at the camera against a plain white background.
2	<p>Rupal Shirpurkar - As the Business Head, Product & Strategy at Click2Cloud, Rupal is leading the global business relationship with Microsoft Azure, Alibaba Cloud, Huawei, T-Systems, and SoftBank Cloud and helping on Go-To-Market with their enterprise customers.</p> <p>She is passionate about strategies and the Open Source community. She is an Outreach Committee lead at Centaurus a NextGen 5G cloud & SODA Foundation community under Linux Foundation.</p>	 A portrait of a woman with long dark hair, wearing a dark top. She is smiling slightly and looking towards the camera. The background is dark blue with some faint, stylized text and the Alibaba Cloud logo in the top left corner.

Invitation Letter:

SPARK-2021

XVII Online National Conference on Emerging
Technology & Trends in Engineering

PATRONS:

Hon. Smt. Sumanmala B. Mulak,
(Chairperson, B.C.Y.R.C., Nagpur)
Hon. Shri. Rajendra B. Mulak,
(Hon. Secretary, B.C.Y.R.C., Nagpur & Ex. Minister,
Govt. of Maharashtra)
Hon. Shri. Yashraj R. Mulak,
(Treasurer, B.C.Y.R.C., Nagpur)
Hon. Sas. Prerana R. Mulak,
(Managing Director, B.C.Y.R.C., Nagpur)

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Dr. R. L. Shrivastava, Chairman, IE (I), Nagpur Local Center.
Dr. M. S. Kadu, Secretary IE (I), Nagpur Local centre
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Dr. S. L. Badjate, President, IETE, Nagpur Local Center
Dr. U. Deshpande, President ACM Nagpur Professional Chapter,
Prof. & Head, Deptt. of CSE, VNIT, Nagpur
Dr. M. P. Kurhakar, Associate Professor, Deptt. of CSE, VNIT, Nagpur
Dr. Rajendra Man Banerjee, Knowledge Management Manager,
UNIC, Kathmandu, Nepal
Dr. Latesh Malik, Associate Professor, Deptt. of CSE, Govt.
Engineering College, Nagpur
Prof. Shantamu Lohi, Asst. Professor, Deptt. of IT, Govt. Engineering
College, Amravati
Er. Rahul Ghodeswar, Solution Architect & Consultant, TCS, Nagpur

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Prof. A. L. Tulankar, (HOD, Deptt. of General Science & Humanities)
Dr. S. H. Bhandari, (HOD, Deptt. of M.B.A.)

CONVENER :

Dr. A. A. Jaiswal, (HOD, Deptt. of Computer Science
Engineering / Technology)

CO-CONVENER :

Dr. S. M. Malode, (Deptt. of Computer Science
Engineering / Technology)

FACULTY CO-ORDINATORS :

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Dr. A. V. Vanalkar, Deptt. of Mechanical Engineering
Prof. K. Chandwanji, Deptt. of Computer Science
Engineering / Technology
Prof. A. M. Halmare, Deptt. of Electrical Engineering
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Prof. R. Kolte, Deptt. of Information Technology
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Engineering / Technology
Prof. S. A. Kurwadkar, Deptt. of Computer Science
Engineering / Technology



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In Association with
THE INSTITUTION OF ENGINEERS (INDIA)
INDIAN SOCIETY FOR TECHNICAL EDUCATION, NEW DELHI
INSTITUTION OF ELECTRONICS & TELECOMMUNICATION ENGINEERS
ACM NAGPUR PROFESSIONAL CHAPTER

Great Nag Road, Nandanvan, Nagpur-440009
Tel. No. : 0712-2711400, 2710030 Fax : 0712-2713658
E-mail : spark2021@kdkce.edu.in



Associate for
Computer, Nagpur

Ref. No. : KDKCE / Spark-2021 /95

Date : 25 /5 /2021

To,
Mr. Deepak Birole
Senior Manager
Cognizant
ICC Trade Tower, SB Road, Pune

Dear Madam,

The K.D.K. College of Engineering is proud to announce the
conduction of SPARK 2021 - XVII National Conference on Emerging
Technology & Trends in Engineering, a National Student Symposium
comprising of -A Technical Paper Presentation Competition on 30th
May, 2021.

It is an excellent platform for budding technocrats to explore
their research talents. This program also aims at making the students
aware of writing technical paper & adopting recent techniques for
presentation.

It is our pleasure to invite you as a Chief Guest to grace the
Inaugural function of conference and requesting you to kindly deliver
a Chief Guest Speech for the duration of 15-20 minutes at online
Spark-2021 at 10.30 am onwards on 30th May 2021. Requesting you
to accept our invitation. Thanks.

Thanking you in anticipation.

Yours Sincerely,

Dr. Ajay A. Jaiswal
Convener
SPARK - 2021

Brochure-SPARK'21:

PATRONS:

Hon. Smt. Surmanmala B. Mulak, (Chairperson, B.C.Y.R.C., Nagpur)
 Hon. Shri. Rajendra B. Mulak
 (Hon. Secretary, B.C.Y.R.C., Nagpur & Ex. Minister, Govt. of Maharashtra)
 Hon. Shri. Yashraj R. Mulak (Treasurer, B.C.Y.R.C., Nagpur)

Hon. Sanu. Prerana R. Mulak, (Managing Director, B.C.Y.R.C., Nagpur)

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 Dr. B. L. Shrivastava, Chairman, K. J. Somaiya Local Centre.
 Dr. M. S. Kadi, Secretary K. J. Somaiya Local Centre.
 Dr. J. W. Bakaj, President, ISTE, New Delhi.
 Dr. S. L. Badjate, President, ISTE, Nagpur Local Centre.
 Dr. U. Deshpande, President, KCE Nagpur Professional Chapter, Prof. & Head, Dept. of CSE, VIT, Nagpur.
 Dr. M. R. Kurbekar, Associate Professor, Dept. of CSE, VIT, Nagpur.
 Dr. Rajendra Man Ranepal, Knowledge Management Manager, UNIC, Kathmandu, Nepal.
 Dr. Latesh Malik, Associate Professor, Dept. of CSE, Govt. Engineering College, Nagpur.
 Prof. Shantam Lohi, Asst. Professor, Dept. of IT, Govt. Engineering College, Amravati.
 Dr. Rahul Ghodsewar, Technical Assistant & Consultant, IIT, Nagpur.

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 Dr. A.M. Badar, (Vice Principal, KDKCE, Nagpur)
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 Dr. P. D. Khandalkar, (HOD, Dept. of Electronics Engineering)
 Dr. S. R. Khandalkar, (HOD, Dept. of Information Technology)
 Prof. A. L. Tulankar, (HOD, Dept. of General Science & Humanities)
 Dr. S. H. Randhir, (HOD, Dept. of M.B.A.)

CONVENER:

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CO-CONVENER:

Dr. S. M. Malode, (Dept. of Computer Science Engineering / Technology)

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 Prof. K. Chandwan, (Dept. of Computer Science Engineering / Technology)
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 Prof. P. S. Randive, (Dept. of Civil Engineering)
 Prof. V. Mahasabdar, (Dept. of Electronics Engineering)
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 Prof. A. D. Shange, Prof. A. R. Nachankar,
 Prof. S. A. Kurzadkar

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 Ms. Tejashee Wanjar, Civil - 9284001917
 Mr. Aditya Thera, IT - 8888336645
 Mr. Tejas Deshmukh, Mechanical - 7744935294
 Ms. Shruti Dange, Electrical - 8308348938
 Mr. Santosh Sarode, Electronics - 8999165769
 Mr. Tanmay Chapparghare, M.B.A. - 8446142181

Service to the Society through Quality Technical Education

TOPICS FOR PAPER PRESENTATION

- Area 1 - Electrical Engineering :**
 1. Power Generation, Transmission and Distribution
 2. Renewable Energy Technology
 3. FACTS and its Application
 4. Energy Audit and Management
 5. Drive, Control and Robotics
 6. Power quality, Monitoring and Measurement
 7. High Voltage Engineering and Insulation Technology
 8. Recent Trends in Electrical Engineering
- Area 2 - Civil Engineering :**
 1. Computer application in Civil Engineering
 2. Earthquake Resistant Structures
 3. Rehabilitation of Structures
 4. Environmental Engineering
 5. Geo- Technical Engineering
 6. Hydraulic Engineering
 7. Smart material and structure
 8. Structural Engineering
 9. Advances in Civil Engineering
- Area 3- Mechanical Engineering :**
 1. New Trends in Automobile
 2. Mechatronics
 3. Laser Technology
 4. Thermal Engineering
 5. Robotics
 6. Non Conventional Energy system
 7. New Trends in Manufacturing
 8. CAD/CAM/CAE & Design
 9. Six Sigma / Lean Manufacturing
 10. Refrigeration, Air conditioning & Cryogenics
 11. Low cost Automation
 12. Finite element Analysis
- Area 4- Electronics Engineering :**
 1. Analog Electronics Application
 2. Fuzzy Logic & Neural Network
 3. Embedded Bio-Informatics
 4. Wireless communication
 5. Advance sensor
 6. CMOS & VLSI
 7. DSP and DSP
 8. Robotics & Embedded system
- Area 5 - Computer Science & Information Technology :**
 1. Machine Learning
 2. Data Science
 3. Laboratory Computing
 4. Cloud Computing
 5. Artificial Intelligence
 6. Big Data
 7. Deep Learning
 8. Image processing & Computer Vision
 9. Internet of Things
 10. Business Intelligence
- Area 6 - Basic Science & Humanities :**
 1. Engineering Materials & Their Properties
 2. Energy Conservation & Green Chemistry
 3. Laser & its application
 4. Application of fiber optics
 5. Luminous materials & its applications in LED, solar cells etc.
 6. Application of Differential equations in engineering
 7. Numerical methods in solving differential equations
 8. Importance of communication
 9. Ethics & professional life
- Area 7 - Master of Business Administration :**
 1. Impact of Social Media
 2. Unemployment in Current Scenario: Causes & Cure
 3. Mutual Funds: An Emerging Investment Option

Note: Any New & Innovative Papers are also welcome

Contact Details :

Dr. Ajay A. Jaiswal, Convener, SPARK'21, 9823095932
 Dr. S. M. Malode, Co-Convener, SPARK'21, 976641688
 Email : spark2021@kdkce.edu.in

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 INSTITUTION OF ELECTRONICS & TELECOMMUNICATION ENGINEERS
 ACM NAGPUR PROFESSIONAL CHAPTER



SPARK'21

XVII Online National Conference on Emerging
 Technology & Trends in Engineering

30th MAY, 2021



Organized by

K.D.K. COLLEGE OF ENGINEERING

Great Nag Road, Nandanvan, Nagpur - 440009.

Tel. No. 0712-2711400, 2710030

Fax No. 0712-2711870

Website : www.kdkce.edu.in

Service to the Society through Quality Technical Education

K.D.K.C.E. At a Glance:

K.D.K. College of Engineering, Nagpur is established in 1984, approved by AICTE, New Delhi and Director of Technical Education Maharashtra and affiliated Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur. Government of Maharashtra has conferred 'A' Grade on the basis of excellence & adequate infrastructure as well as academic achievements of students & faculty. The college runs Six Undergraduate courses in Electrical Engineering, Civil Engineering, Mechanical Engineering, Electronics Engineering, Computer Science Engineering & Information Technology with intake capacity of 570 and three Postgraduate courses in Structural Engineering, Mechanical Engineering Design and Master of Business Administration (MBA). The National Board of Accreditation (NBA) has accredited five programs namely Civil Engineering, Mechanical Engineering, Electrical Engineering, Electronics Engineering & Computer Technology. The institute is also accredited by National Accreditation & Assessment Committee (NAAC), Bangalore which ensures high academic standards of the institution and assures quality outcomes for the students.

Vision:

"Service to the Society through Quality Technical Education"

Location

The college is situated in the heart of the city at Nandanvan area and is very close to State Transport Bus Stand and Nagpur Railway Station.

College Campus:

College campus is spread over 10 acres of Land with an aesthetically built structure. The self-contained sprawling campus provides excellent infrastructure, state of the art Laboratories, well furnished class rooms, Tutorial Rooms, and Drawing Halls, acoustically designed air conditioned Seminar Hall and Model Class Room with Modern Audio Visual Teaching aids. The college has spacious well stocked Computerized Library with separate reading room. The campus also provides, Lodging, Boarding, and Recreational facilities for Boys and Girls. The campus is Wi-Fi enabled. Personal attention and regular counseling is given to every student in academic as well as personal matters through our class in-charges and Guardian Teachers.

Service to the Society through Quality Technical Education

SPARK'2021:

A National Conference is being organized to provide a common platform for students of Engineering and Technology with a view to exchange information, learn current practices, new trends, developments, implementation in various fields and to deliberate on them.

A National Level Competition is organized on 30th May, 2021. This program aims at making the students aware of writing technical papers and adopting recent techniques for presentation.

Guidelines :

The registration for conference is free. The registration and soft copy of full length paper should be submitted on the following Google form

Link : <https://forms.gle/MxNcZcHZ7zmVg2CQA>

Rules:

- 7 mins. will be provided for PPT presentation.
- 3 mins. for Question Answer Session.
- Format of the paper should be same as that of IEEE format.
- Title of the Paper:- 16 Bold (Times New Roman)
- Subtitle of Paper:- 14 Bold (Times New Roman)
- Author Names & details :- 12 Bold (Times New Roman)
- Size of the Paper:- A4
- Students must mention their Mobile No. and Email-Id.

Service to the Society through Quality Technical Education

K.D.K. College of Engineering

Nagpur-49
(NAAC & NBA Accredited)

SPARK-2021

Registration Form
(Paper)

Name : 1)

2)

3)

4)

College:

Branch:

Mobile No : 1)

2)

3)

4)

Email ID: 1)

2)

3)

4)

I agree to abide by the rules and regulations of the competition.

Sign. of Applicants :

Date :

Sign. of Authority :

Seal of Institution :

Service to the Society through Quality Technical Education

Proceedings of SPARK'21:

**XVII ONLINE NATIONAL
CONFERENCE ON
EMERGING TECHNOLOGY &
TRENDS IN ENGINEERING**

SPARK'21

Organized By



KDK College of Engineering

Grate Nag Road, Nadanwan Nagpur - 440009

(Accredited by N.B.A & NAAC)

IN ASSOCIATION WITH



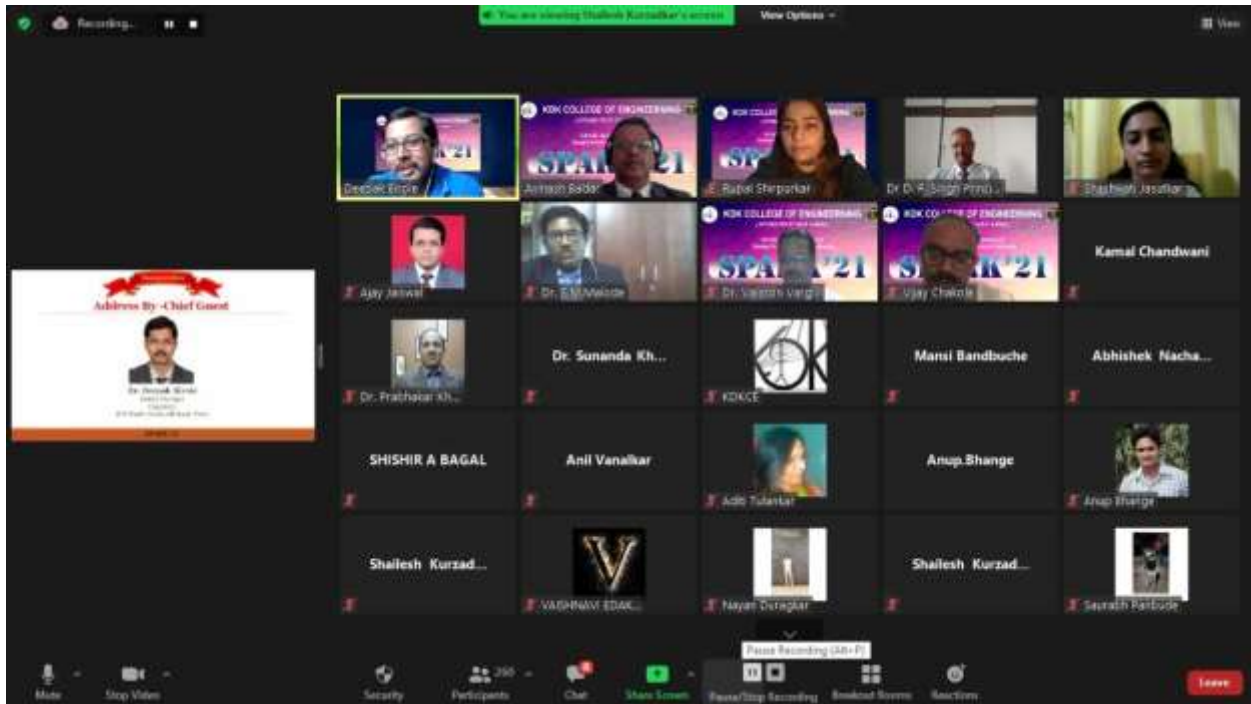
SPARK'21, XVII ONLINE NATIONAL CONFERENCE ON EMERGING TECHNOLOGY & TRENDS IN ENGINEERING

SPARK-2021 XVII National Conference on Emerging Technology & Trends in Engineering

Department of Civil Engineering Paper No.	Paper Title	Page No.
1.	A LITARATURE REVIEW OF FLOC CHARACTERISTICS BY IMAGE ANALYSIS METHOD	1
2.	A REVIEW PAPER ON REQUISITE OF GREEN BUILDING	1
3.	AN OVERVIEW ON ANALYSIS OF GROUND WATER QUALITY PARAMETER	2
4.	AN OVERVIEW ON DOMESTIC WASTE POLLUTION AND PRESENT TREATMENT TECHNOLOGIES	3
5.	DESIGN OF OPTIMUMPIPE RACK FOR VARIOUS BAYS	3
6.	A REVIEW ON UTILIZATION OF SEQUENCE BATCH REACTOR TECHNOLOGY (SBR) FOR SLUDGE TO ENERGY (WASTE WATER TREATMENT PLANT)	4
7.	ANALYSIS AND DESIGN OF RESIDENTIAL BUILDING USING ETABS SOFTWARE	4
8.	SIMULATION OF FLOW OVER SINGLE-STEP BROAD CRESTED WEIR BY USING HEC-RAS	5
9.	EFFECTIVENESS OF NATURAL COAGULANT AND CHEMICAL COAGULANTS IN COAGULATION FLOCCULATION PROCESS: A REVIEW	5
10.	AN ARTIFICIAL NEURAL NETWORK MODEL FOR WASTEWATER TREATMENT PLANT	6
11.	UNDERSTANDING VARIOUS STRUCTURAL ANALYSIS METHODS FOR INDETERMINATE STRUCTURES	6
12.	CHEMICAL ANALYSIS OF CONCRETE SUBJECTED TO ELEVATED TEMPERATURES: A REVIEW	7
13.	EFFECT OF TEMPERATURE ON CONCRETE BY REPLACING SAND AND AGGREGATE WITH BLAST FURNACE SLAG	8
14.	PARTIAL REPLACEMENT OF CEMENT BY SUGARCANE BAGASSE ASH AND SAND BY QUARRY SAND IN CONCRETE	8
15.	TO STUDY STATUS OF GROUNDWATER IN VIDARBHA REGION	9
16.	ON OVERVIEW ON SMART MATERIAL ON GREEN INFRASTRUCTURE	10
17.	REVIEW PAPER ON OPTIMIZATION OF MIX PROPORTION TO ACHIEVE SUSTAINABLE CONSTRUCTION MATERIALS	10
18.	CLIMATE CHANGE IMPACT ON AGRICULTURE	11
19.	STAGES FOR GREEN AUDITING IN EDUCATIONAL BUILDING	11
20.	STUDY ON REPLACEMENT OF CEMENT BY INDUSTRIAL WASTE AND AGRICULTURAL WASTE	12
21.	MANUFACTURING OF SUSTAINABLE CLAY BRICKS: UTILIZATION OF WASTE GRANITE POWDER, RICE HUSK ASH AND COCONUT SHELL ASH	12
22.	PM INTERACTION CURVE FOR L - SHAPED COLUMN	13
23.	DESIGN CRITERIA FOR PUMP HOUSE IN LIFT IRRIGATION	13

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Impact Analysis:

Conducting Spark'21-a national conference have several significant impacts as:

1. Knowledge Dissemination
2. Skill Development
3. Research Recognition
4. Inspiration for Students
5. Community Engagement
6. Feedback and Improvement
7. Enhanced Reputation