



KJEI'S

K J College of Engineering and Management Research, Pune

Date: 07.06.2022

To,

The Executive Director,

K J College of Engineering and Management Research, Pune

Subject: - Permission to organize Two days International conference on 28th & 29th July 2022.

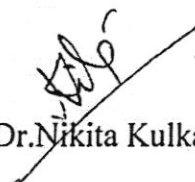
Respected Sir,

We, K J College of Engineering and Management Research, Pune, hereby request you to grant the permission to organize Two Days International conference in our Institute on 28th & 29th July 2022. To organize the same, we are planning to collaborate with **Conference world** to conduct an International Conference through online mode on google meet platform.

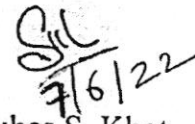
In this context, the Institute has to contribute 10000 INR to the conference world for collaboration as well, as for managing the event. Details of the conference proposal are attached herewith for your reference.

Kindly permit us to organize a Two Days International conference.

With Regards,

  
Dr. Nikita Kulkarni

HOD, Computer Engineering

  
Dr. Suhas S. Khot


Principal, KJCOEMR

Permitted



  
Dr. Suhas S. Khot  
Principal

K. J. College of Engineering  
& Management Research  
S.No.25,27, Kondhwa-Saswad Road,  
Near Bopdev Ghat, Pune-411 018

Approved  
  
7/6

**KJEI's KJ College of Engineering & Management Research  
PUNE**

Date: 25/7/22

To,  
The Principal,  
KJ College of Engineering & Management Research, Pune

Subject : Additional Budget for International Conference 2022

Respected Sir,

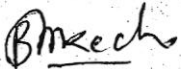
International Conference 2022 is planned for 28<sup>th</sup> & 29<sup>th</sup> July 2022 in our institute. The budget for the same is mentioned below:


Sr. No.	Particular	Amount in Rs
1	Flex (2)	2000
2	momentous	6000
3	Remuneration for an external reviewer	8000
4	Decoration	3000
<b>Total</b>		<b>19000/-</b>

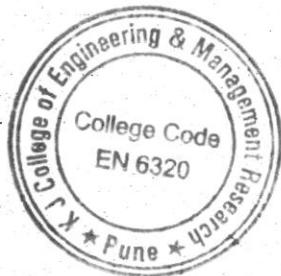
Kindly sanction the budget.

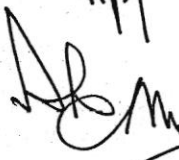
Thanking You.


Yours Sincerely,


  
Prof. Ranjana Kedar  
Coordinator

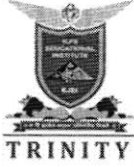
  
25/7/22  
Dr. Nikita Kulkarni  
Convener



Approved.  
  
25/7

  
Dr. Suhas S. Khot  
Principal  
K. J. College of Engineering  
& Management Research  
25.27, Kondhwa-Saswad Road,  
Near Embassy, Pat. Pune-411 048

Exc. Dir  
- May be Permitted as  
emergency case  
  
25/7/22



KJ's Educational Institute

**K J College of Engineering  
and Management Research,  
Pune**

***INVITATION***

**International Conference on "Innovative Trends in  
Engineering and Technology(ICITET-2022)"**

*On*

***28<sup>th</sup> and 29<sup>th</sup> July 2022***

***Inauguration: 28<sup>th</sup> July 2022 @ 10AM***

***Venue: Auditorium, KJCOEMR***

**CHIEF PATRON**

Hon. Shri. Kalyan Jadhav, President, KJEI

Hon. Mr. Vinod Jadhav, Treasurer, KJEI

Hon. Mrs. Harshada Jadhav, Managing Director, KJEI

Hon. Ms. Vibhavari Jadhav, Managing Director, KJEI

Hon. Maj. Gen. Sameer Kalla VSM (Retd.), Executive Director, KJEI

Dr. V.J.Kakhandki, Campus Director, KJEI

**PATRON**

**Dr. Suhas S. Khot**

**Principal, KJCOEMR**

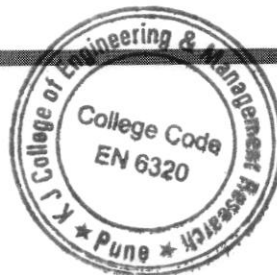
**COORDINATOR**

Prof. Ranjana M. Kedar

**CONVENOR**

Dr. Nikita Kulkarni

HOD, Computer Engineering



**Dr. Suhas S. Khot  
Principal**

**K. J. College of Engineering  
& Management Research**

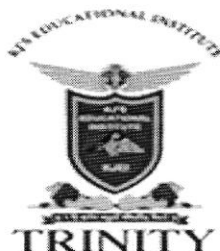
S.No.25.27, Kondhwa-Saswad Road,  
Near Bopdev Ghat, Pune-411 048

# **K J COLLEGE OF ENGINEERING & MANAGEMENT**

## **RESEARCH, PUNE**

**Accredited by NAAC**

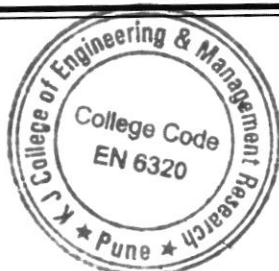
(Accredited by NAAC, Under Academic Mentorship of COEP, affiliated to Savitribai Phule Pune University, Approved by Govt. of Maharashtra, recognized by AICTE, New Delhi) Near Khadimachine Chowk, Kondhwa Annexe, Pune – 48, India



## **International Conference on Innovative Trends in Engineering and Technology [ICITET-2022]**

### **28th & 29th July 2022**

**In Association With**



**ISBN: 978-93-91535-04-9**

*Suhas S. Khot*  
**Dr. Suhas S. Khot  
Principal**

**K. J. College of Engineering  
& Management Research**  
S.No.25.27, Kondhwa-Saswad Road,  
Near Bopday Chat, Pune - 411 004

**International Conference on Innovative Trends  
in Engineering and Technology  
[ICITET-2022]**

**28th & 29th July 2022**

**Editors**

Dr. Suhas Khot

Dr. Nikita Kulkarni

Prof. Ranjana Kedar

---

***Publish by:***

*A.R. Research Publication*



A handwritten signature in black ink, appearing to read "Suhas".

**Dr. Suhas S. Khot  
Principal**  
K. J. Somaiya Institute of Engineering  
& Management Research  
Somaiya, 27, Kondhwa-Saswad Road,  
Near Bondey Ghat Pune - 411 004

## **About the College**

KJ's Educational Institutes is established in the year 2005 with excellent infrastructure spread over 110 acres of green campus with spacious buildings having backdrop of Sahyadri hills.

Institute was founded with the noble vision to raise professionals and leaders of high academic caliber who can face the challenges of advancing technology and newer knowledge areas. We want to prepare our students professionally, nurture them with a strong motivation and commitment to serve humanity. KJCOEMR was established in the year 2009. We offer four-year full time degree course in 'Bachelor of Engineering' with specializations in Civil (120), Computer (120), Electrical (60), Electronics and Telecommunication (60), and Mechanical Engineering (90) and four post graduate courses in Computer Engineering (24), Computer Networks (24), Civil-Structural Engineering (24) and Mechanical-Design Engineering (24). The College is approved by AICTE & DTE, Govt. of Maharashtra and is affiliated to University of Pune.

The modern state-of-the-art infrastructure and facilities are developed to provide conducive atmosphere for Teaching, Learning & All Round Development of the Students. In order to achieve our objectives, we have qualified teachers and staff dedicated to maintain high standards. Majority of our faculty members are having more than 10 years of Academic and/or Industrial Experience in their respective disciplines. Teaching Methodology includes well prepared Lecture Notes, latest Presentation Techniques, Interactive Sessions, as well as dialogue between students and teachers. We encourage one-to-one interactions between teachers and students, for co-curricular as well as extra-curricular activities.

## **Aim & Objective of the Conference**

The Conference is aimed to bring together inquisitive academician, industry experts, researchers and practitioners to share their innovative and revolutionary ideas, resolving significant issues, and contributing towards inculcating a healthy and coexistent learning ambiance. The conference aspires to encircle all prominent avenues in the field of Engineering and Technology. The conference is an umbrella of boundless experience and the inquisitive thirst of exploring exemplary concepts under one roof.



**Dr. Suhas S. Khot**  
**Principal**

**K. J. College of Engineering  
& Management Research**

S.No.25.27, Kondhwa-Saswad Road,  
Near Bopdev Ghat, Pune-411 048

†

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**Dr. V. J. Kakhandki** (Campus Director, KJEI)

**Patrons**

**Dr. Suhas S. Khot**, Principal, KJ College of Engineering and Management Research

†

**Hon. Chief Guest**

Dr. M. S. Sutaone,

Director, College of Engineering Pune

**Guest of Honor & Keynote Speaker**

Dr. Kathryn Hummel,

Associate Professor at School of Law, Ajeenka DY Patil University, Pune.

**Conference Convener**

**Dr. Nikita Kulkarni,**

HoD, Department of Computer Engineering,

K J College of Engineering and Management Research

**Coordinator**

**Prof. Ranjana Kedar,**

Assistant Professor

K J College of Engineering and Management Research

**Internal Advisory Committee**

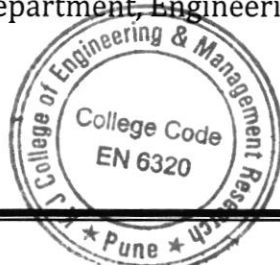
Dr. Santosh K. Patil, Head of Department, Civil Engineering.

Dr. Sanjay S. Khonde, Head of Department, Electrical Engineering.

†

Dr. Pramod U. Chavan, Head of Department, E & TC Engineering.

Dr. Prajakta N. Deshmukh, Head of Department, Engineering Science.



**Dr. Suhas S. Khot**  
**Principal**

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& Management Research  
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Dr. Bharat N. Mulay, Associate Professor, Civil Engineering.

Dr. B. S. Waghe, Professor, Engineering Science.

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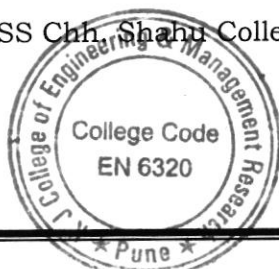
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**Dr. S. P. Mahajan**, HoD (E&TC), COEP

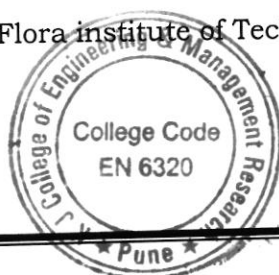
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**Dr. U.B. Shinde**, Principal, CSMS Chh. Shahu College of Engineering, Dr. BAMU



  
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**Principal**  
K. J. College of Engineering  
& Management Research  
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New Campus, Shahu, Pune-411 004

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- Dr. M.R. Wakchoure**, Professor, Civil Engg, Amrutvahini College of Engineering, Sangamner
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- Dr. S. S. Pardeshi**, Chairman, BOS (Mechanical Engineering), SPPU
- Dr. S. V. Gawali**, Professor and Head, PVGCOE Pune
- Dr. A.S. Padalkar**, Professor, Flora institute of Technology, Pune



  
**Dr. Suhas S. Khot**  
**Principal**  
 K. J. College of Engineering  
 & Management Research  
 S.No.25,27, Kondhwa, Saswad Road,  
 Near Bobdev Ghat, Pune-411 048

Kondhwa Saswad Road,  
 Near Bobdev Ghat, Pune-411 048

**Dr Kishor Dhande**, HoD, Mechanical engineering, DR DY Patil Institute of Technology, PUNE


**Dr. L. V. Kamble**, Principal, D.Y. Patil Institute of Engineering and Technology, Ambi, Pune

**Dr. S. S. Sarnobal**, Vice Principal. D. Y. Patil College of Engineering, Akurdi, Pune

**Organizing committee**

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Prof. N. Bogiri, Assistant Professor, Computer Engineering  
Prof. A. S. Hambarde, Assistant Professor, Computer Engineering  
Prof. R. S. Waghole, Assistant Professor, Computer Engineering  
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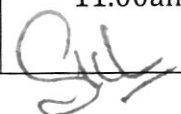


  
**Dr. Suhas S. Khot**  
Principal  
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The agenda of the conference is given below.

Sr. No.	Activity	Time
<b>Inauguration</b>		
1	Appearance Of Speakers And Participants To The Google Meet Platform	10.00 am- 10:10 am
2	Online Welcome Address	10:10 am
2	Worshipping of the Goddess Saraswati & Lightening of Lamp	10.15 am
3	Felicitation of Dignitaries	10.20 am
4	Speech by Convener: <b>Dr. Nikita Kulkarni</b> , HoD, Department of Computer Engineering	10:25 am
5	Speech by Patron: <b>Dr. Suhas S. Khot</b> , Principal	10:30 am
6	Speech by Executive Director: <b>Maj. Gen. Sameer Kalla</b>	10.35 am
7	Speech by President KJER: <b>Shri. Kalyan Jadhav</b>	10.40 am
8	<b>Inaugural Speech by Chief Guest:</b> <b>Dr. M.S. Sutaone</b> , Director, COEP, Maharashtra, India	10.45 am
9	Keynote by Guest of Honour <b>Dr. Kathryn Hummel</b> , Associate Professor at School of Law, Ajeenkya D.Y. Patil University, Pune	10.50 am
10	Release of Conference Proceeding	10.55 am
Closing of the Inaugural Function		
Opening of the conference		
11	Keynote speech by National Speaker: <b>Dr. B. Arivazhagan</b> , Assistant Professor, Department of Computer Science, Erode Arts and Science College, Erode, Tamil Nadu.	11.00am



  
**Dr. Suhas S. Khot**  
**Principal**  
 K. J. College of Engineering  
 & Management Research  
 S.No.25.27, Kondhwa-Saswad Road,  
 Near Bodey Ghat Pune 411 040

12	Online Presentation: Track 1: Computer Engineering, E&TC, Electrical, Mechanical Engineering, Civil Engineering	11.30am – 01:30pm
13	Lunch Break	01:30pm
14	Offline Presentation(Inside Organization)	02:30pm
<b>Valedictory Function</b>		
15	Announcement of best outstanding paper and best oral presentation	04.15 pm
16	Vote of thanks by Coordinator	04.30 pm
17	National Anthem & Closing of Ceremony	04.40 pm

All papers were undergone a double-blind peer review process and the criteria for acceptance was based on quality, originality, technical content and relevance. Proceeding of the conference has been published with **ISBN: 978-93-91535-04-9. Total 118 papers were received for the conference from various branches of engineering and science and 85 papers were shortlisted by the committee.**

The certificates for participants and Technical Session Chairs were given in the following format.



# CERTIFICATE

## OF ACHIEVEMENT

This Certificate is Proudly Presented to

\_\_\_\_\_

for presenting and publishing his/her paper on

**IN INTERNATIONAL CONFERENCE ON INNOVATIVE TRENDS IN ENGINEERING AND TECHNOLOGY**

Held on 28<sup>th</sup> & 29<sup>th</sup> July 2022

Organised by:

### K J COLLEGE OF ENGINEERING & MANAGEMENT RESEARCH

(Accredited by NAAC, Under Academic Mentorship of COEP,  
Affiliated to Savitribai Phule Pune University, Approved by Govt. of Maharashtra,  
Recognized by AICTE, New Delhi) Near Khadimachine Chowk, Kondhwa Annexe, Pune - 48, India



Association with:  
Conference World  
www.conferenceworld.in



College Code  
EN 6320



Dr. Nikita Kulkarni, HOD Dept. CSE  
Conference Coordinator, ICITET

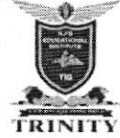


Dr. Suhas Khot, Principal  
Patron, ICITET



Dr. Suhas S. Khot  
Principal  
K. J. College of Engineering  
& Management Research  
27, Kondhwa-Saswad Road,  
Near Borew Ghat, Pune - 411 004





ISBN: 978-93-91635-04-9

# CERTIFICATE

OF ACHIEVEMENT

This Certificate is Proudly Presented to

**Dr. Santosh K. Patil**

HOD, Civil Engineering, KJCOEMR.

For Contribution as

## Technical Session Chair

IN INTERNATIONAL CONFERENCE ON INNOVATIVE TRENDS IN ENGINEERING AND TECHNOLOGY

Held on 28<sup>th</sup> & 29<sup>th</sup> July 2022

Organised by:

### K J COLLEGE OF ENGINEERING & MANAGEMENT RESEARCH

(Accredited by NAAC, Under Academic Mentorship of COEP,

Affiliated to Savitribai Phule Pune University, Approved by Govt. of Maharashtra,

Recognized by AICTE, New Delhi) Near Khadimachine Chowk, Kondhwa Annexe, Pune - 48, India

Association with:



Dr. Nikita Kulkarni, HOD Dept. CSE  
Conference Convener, ICITET

Dr. Suhas Khot, Principal  
Patron, ICITET



Prof. Ranjana Kedar

Coordinator

Dr. Nikita Kulkarni

Convener

\*\*\*\*\*XXXXXXXX\*\*\*\*\*



Dr. Suhas S. Khot  
Principal

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Photographs of the International conference:



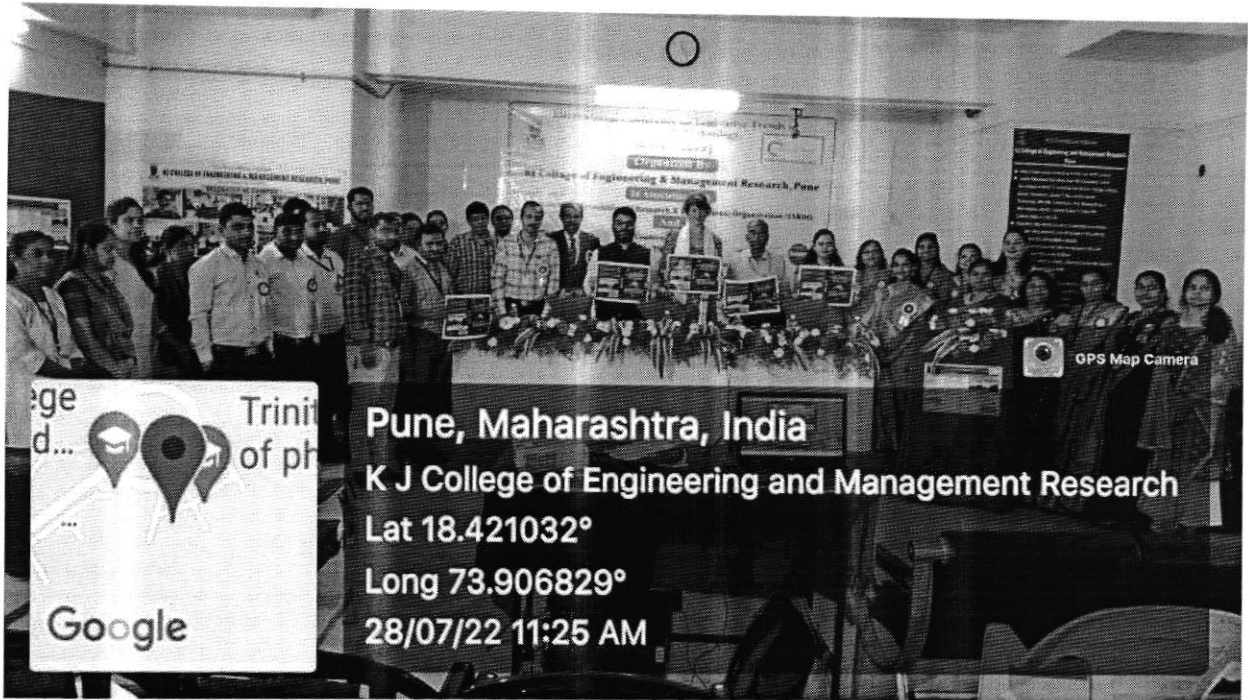
Inauguration of the International conference



Release of Conference Proceeding



**Dr. Suhas S. Khot**  
Principal  
K. J. College of Engineering  
& Management Research  
S.No.25,27, Kondhwa-Saswad Road  
Near, Soneby Gh. Pune-411 006



**Organizing Committee of International Conference**



**Student Volunteers International Conference**




  
**Dr. Suhas S. Khot**  
**Principal**  
 K. J. College of Engineering  
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 S.No.25,27, Kondhwa-Saswad Road  
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**K J College of Engineering and Management Research**

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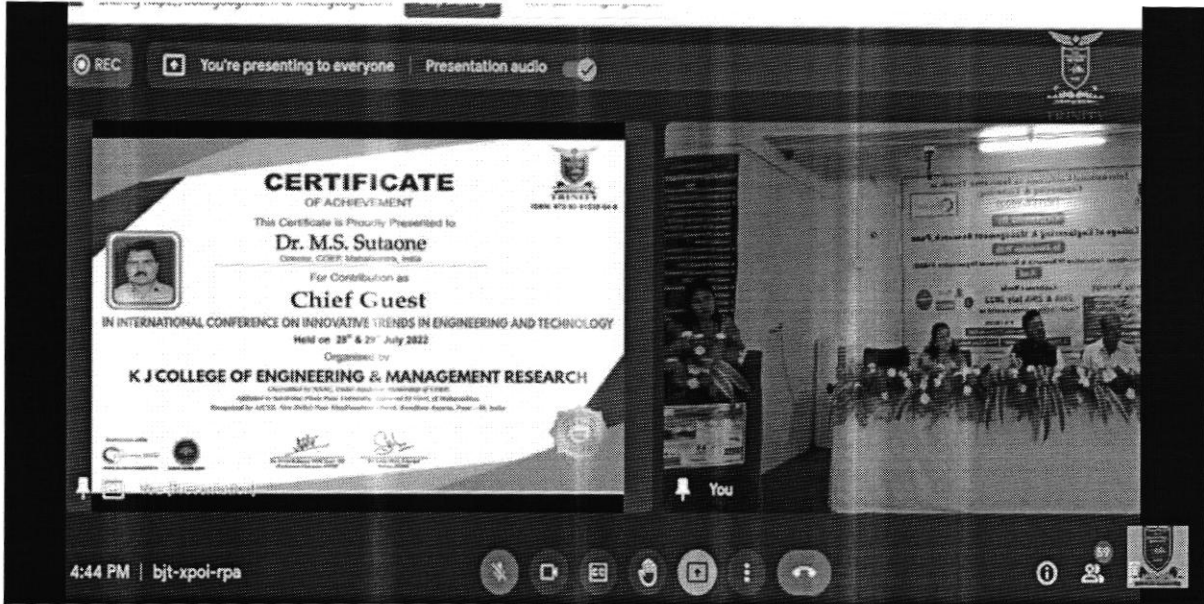
**Best Paper Award**



*S.S.*

**Dr. Suhas S. Khot  
Principal**

**K. J. College of Engineering  
& Management Research**  
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Near Bopdev Ghat



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# International Conference on Innovative Trends in Engineering and Technology [ICIET-2022]

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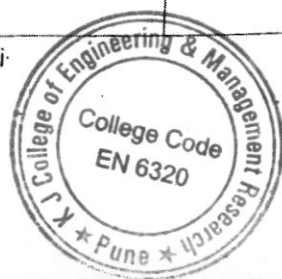
**KJ College of Engineering & Management Research,**  
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**Date of Conference: 28<sup>th</sup> & 29<sup>th</sup> July 2022**

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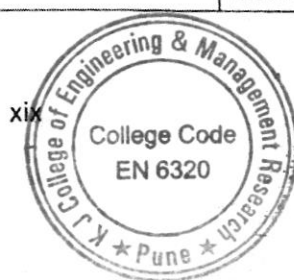
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To,

Date: 02/09/2022

The Principal,

KJCOEMR, Pune.

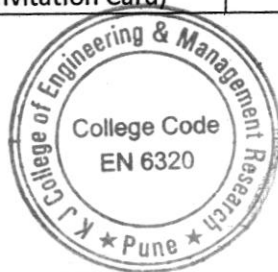
**Subject: Regarding Settlement of advance issued to manage expenses of International Conference on International Conference on Innovative Trends in Engineering and Technology [ICITET-2022]**

Respected Sir,

Our college has organized an International Conference on Innovative Trends in Engineering and Technology [ICITET-2022]. For managing expenses of said conference, we received an advance of Rs.36000/-

The expenses are given below.

Sr. No.	Item Name	Quantity	Price	Total Amount
1	Conference Fee	1	10000	10000
2	Stage Decoration and Boquet(6)	1X3000 5X200 1X250	3000 1000 250	4250
3	Tea(92), mineral bottle(12)	92X10 12X10	920 120	1040
4	kaju katali	1	450	450
5	Ribbon	1	15	15
6	Tea:20, Vada, chatani:21, vada pav:50	20X10 21X10 50X12	200 210 600	1010
7	Rangoli	1	500	500
8	Proceeding:8, A3 Size Folder	8X50 6X10	400 60	460
9	Invitation Card	5	30	150
10	Badges	25	13	325
11	Brochure(5)	5	25	125
12	Print	13	10	130
13	Flex(2)	2	925	1850
14	Momentoes(4)	4	2034.25	8137
15	Garland, Flowers, Coconuts(3), ScentStick		475	475
16	Glossy Printout(Guest Invitation Card)	3	25	75



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17	Dr. Kathryn Hummel Transport (Guest)	1 CAB	531	531
18	petrol allowance	1	605	605
19	Dr. Kathryn Snacks (Guest)	2X70 1X40 4X15	140 40 60	240
20	Dr. Kathryn COFFEE(Guest)	1	40	40
21	Shawl(2)	2	1028.5	2057
22	Photo	35	24	840
23	Feviquick	10	5	50
		<b>Total Amount</b>		<b>33355</b>

*R.M. Kedar*  
 Prof. R.M. Kedar  
 ICITET Coordinator

Total = 36000  
 Expenses = 33355  
 Balance = 2645/-

*N.J. Kulkarni*  
 2/9/22  
 Dr. N.J. Kulkarni  
 HOD Computer Engg.

*Acc*  
*Settle*  
*S*  
 2/9/22



*S. Khot*  
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