

K. S. SCHOOL OF ENGINEERING AND MANAGEMENT

(Approved by AICTE, Affiliated to VTU &
Accredited by NAAC)

15, Mallasandra, off Kanakapura Road,
Bangalore - 560109
www.kssem.edu.in



FIVE DAY FACULTY DEVELOPMENT PROGRAMME

ON

**THE "CHALLENGES AND
OPPORTUNITIES FOR WOMEN IN
SCIENCE, TECHNOLOGY,
ENGINEERING & MATHEMATICS"
(STEM)**

"HYBRID MODE"

OCTOBER 17TH TO 21ST - 2022

**Organized by
DEPARTMENT OF CIVIL ENGINEERING**

ABOUT THE INSTITUTION

The Kammavari Sangham, a multi-activity non-profit oriented voluntary service organization, was established in the year 1952 with the sole objective of providing charitable service to community and society. The Sangham has diversified its activities since its establishment over five decades ago. With a firm belief that quality and meaningful education only can lay the strong foundation for bringing about economic and social changes to the lives of thousand, the Sangham went about establishing educational institutions, starting with K.S. Polytechnic in 1992. Enthused with this success of its foray into technical education, the Sangham then started the K.S Institute of Technology (KSIT), its first Engineering College in the year 1999. Following the success of KSIT, the Sangham ventured onwards to start yet another technical institution, oriented towards advanced studies and research, and thus, the K.S Group of Institutions (KSGI) was born in 2010. KSGI was renamed as K.S.School of Engineering & Management in 2011. K.S.School of Architecture was established in the year 2015 and followed by K S P U College in the year 2022.

ABOUT THE DEPARTMENT

Department of Civil Engineering is established in the year 2010 and offers four year undergraduate course leading to Bachelor's degree in Civil engineering affiliated to Visveswaraya Technological University, Belgaum. Department of Civil Engineering also offers Masters in Structural Engineering program since 2013. Research centre has been established in the year 2016-17 with more than 10 research scholars. The Department aims at producing eminent Civil Engineers for the Nation and also across the Globe. The Department has eminent faculty with wide range of experience in consultancy, research, teaching, training and field experience which will help the

AIM OF THE FDP

- To throw light on the challenges faced by women in STEM and sensitize on the opportunities available for them.
- The speakers will share their experience with the audience on how to overcome the psychological and physiological barriers.
- This conference also aims at changing the mind-set of the policy makers, employers, colleagues, students and society at large.
- Gender equality will bring new perspective to the industry and provide better future for Indian women in STEM.

PATRONS

- **Sri. R Rajagopal Naidu**
President Kammavari Sangham
- **Sri R Leela Shankar Rao**
Secretary Kammavari Sangham
- **Sri T Neerajakshulu Naidu**
Treasurer Kammavari Sangham

ADVISORY COMMITTEE

- **Dr. H P Khincha**
Chairman, Academic Advisory Board, KSGI
- **Dr. K V A Balaji**
CEO, KSGI
- **Dr. K N Balasubramanya Murthy**
Member, KSGI
- **Dr. K Rama Narasimha**
Principal, KSSEM
- **Prof. B K Raghu Prasad**
Formerly Prof IISC, Bangalore

CONVENOR

Dr. Vijayalakshmi Akella

Prof. & Head, Dept. Of Civil Engineering, KSSEM

CO- CONVENOR

Dr. Arekal Vijay

Prof., Dept. Of Civil Engineering, KSSEM

Ms Saisushma B A

Asst. Prof., Dept. Of Civil Engineering, KSSEM

CHIEF GUEST

Sailaja P

Vice President, Customer Delivery Head -Banking,

TCS- Financial Solutions

RESOURCE PERSONS

1	Sailaja P Vice President, Customer Delivery Head - Banking, TCS- Financial Solutions
2	R. Sobha Rtd PCCF & Head of Forest Force, Telangana Advisor, Govt of Telangana- Forestry Affairs
3	Sajit T C CHRO- BIAL & Board Director- KIAF
4	Dr. Alka Kulakarni Registrar, D Y Patil University
5	Anuradha S Prakash Scientist , ISRO
6	Dr. Pratima Khandelwal Founder, Fly High (Educational Excellence Services), Bangalore
7	Mr. Nagesh Ramamurthy Practicing Consultant & Toast Master
8	Dr. Sapna Devendra Regional Manager, Ambuja Cements
9	Nandita Chakraborty Quality Head, Namma Metro
10	Ar. Vedavathi Practicing Architect

ELIGIBILITY

Faculty members and students of engineering colleges recognized by AICTE, Engineers and Architects are eligible to attend the seminar. **We look forward for participation of MEN in our discussions, around gender equity in the work place & make organizational diversity efforts more successful.**

Confirmation of eligible candidates will be on a first come first serve basis, upto a maximum of 80 candidates.

ORGANIZING COMMITTEE

1. **Mr. Veerendra Kumar M**, Associate Prof.
2. **Dr. Rashmi H R**, Associate Professor
3. **Mr. Naveena M P**, Assistant Professor
4. **Ms Sushma M**, Assistant Professor
5. **Ms Amrutha D**, Assistant Professor
6. **Mr. Manjunath B**, Assistant Professor
7. **Mr. Prashanth M**, Assistant Professor
8. **Mr. Shashi Prasad N**, Assistant Professor

FOR FURTHER CONTACT DETAILS

Ms Saisushma B A (+91- 9880683009)

Assistant Professor, KSSEM.

Mr. Shashi Prasad N (+91- 9632081005)

Assistant Professor, KSSEM.

NO REGISTRATION FEE !

*Complete the registration using the
Google form*

<https://forms.gle/Cty4KmYyCNeS3NnM6>

OR

SCAN QR CODE TO REGISTER



On or before 14th October 2022

“HYBRID MODE”

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DEPARTMENT OF CIVIL ENGINEERING

A
Report of
**FIVE DAY FACULTY DEVELOPMENT
PROGRAMME
ON**

**THE “CHALLENGES AND OPPORTUNITIES
FOR WOMEN IN SCIENCE, TECHNOLOGY,
ENGINEERING & MATHEMATICS” (STEM)**

**BETWEEN
17TH AND 21ST OCTOBER 2022**

Organized by

Department of Civil Engineering

**K.S.SCHOOL OF ENGINEERING AND
MANAGEMENT**

**#15, Near Vajrahalli, Mallasandra, Kanakapura road,
Bengaluru-560109**

Summary of the event:

The 5 day faculty development programme on **THE “CHALLENGES AND OPPORTUNITIES FOR WOMEN IN SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS” (STEM)** in hybrid mode was organized by the Department of Civil Engineering, KS School of Engineering & Management with the aim of creating awareness about the challenges for women in STEM and sensitize on the opportunities available for them. Various speakers from different domains gave their insights on the challenges and opportunities faced by women in the fields of science, technology, engineering and mathematics. A total of 237 participants registered for the FDP from all over India.

The Programme objectives were:

- To address the challenges and opportunities for women in science, technology, engineering and mathematics (STEM).
- To bring a new perspective to the industry and provide better future for Indian women in STEM by addressing gender equality.

Day 1:

Inaugural function was held on 17th October, 2022. Chief Guest Smt. Sailaja P, Vice-President, TCS; Honorable Secretary Sri. R. Leela Shankar Rao; Honorable Treasurer; Sri. T. Neerajakshulu Naidu; Dr. K V A Balaji, CEO, KSGI, Dr. K Rama Narasimha, Principal, KSSEM CEO, KSGI; Prof. B K Raghu Prasad, Formerly Professor, IISc; Department Heads, KSGI; Prof. Suresh K, Principal, KS Polytechnic, Dr.Sangappa, Director, Admissions and Public Relations; Dr. Harish R, Training and Placement Officer; Ar. Thrivikram N.B., Principal, K. S. School of Architecture were present for the inaugural function after which technical sessions were continued for the day.

Smt.Sailaja P, Vice-President, TCS, Chief Guest for the event addressed about the challenges faced by women and men both professionally and personally. She shared her personal experiences and learning's about the challenges and opportunities she faced during her journey of life while managing her dual role as a professional and a home-maker. She spoke about the importance of setting joint goals in order to progress collectively as a family, the importance of investing in one's health and the necessity of preparing the right support system for managing the three most important phases of life or the 3 M's namely, Marriage, Maternity and Motherhood for a woman.

Sobha Royurru, Rtd PCCF & HoFF, Advisor to A.P, Govt., Hyderabad, Telangana, spoke about the challenges she faced during her postings as sub DFO and DFO at Gutti and Chittor during 1988-94. She shared her experiences about the difficulties she had to overcome during the start of her career and training village women to empower them and involve them as forest extension workers.

Dr. Alka Kulkarni, Registrar, DY Patil University spoke about the evolution and challenges of women in education. She briefed the participants about women education in the vedic age, women education in the british era and the National Committee on Women's Education (1958) and about the major schemes for women's welfare. She continued her talk by addressing issues on gender equality and measures that can be undertaken to reduce inequality in India, the challenges faced by women in STEM and initiatives to increase the number of women in STEM. She also spoke about contributions by women in science and technology and women in aviation citing examples of Dr. Aditi Pant, Oceanographer and Dr.Kamala Sohonie, the first Indian woman to have bagged her PhD degree in the scientific discipline to name a few.

Day 2:

Mr.Sajit TC, CHRO-BIAL, Board Director - KIAF, Human Capital Strategist spoke about challenges and the potential opportunities for women in industry, global ranking of India in gender parity and global view on women labor force participation rate by age of children.

Dr.Pratima Khandelwal, Founder, Fly High spoke about igniting teachers in STEM domains: A 360 degree approach. She expressed her views about a teacher's primary role as the key facilitator who can transform students, Education 4.0 and the key competencies required in 21st century STEM graduates. She also spoke about how today's students can stay competitive in changing job market by implementing and practicing the 21st century skills namely, learning skills, literary skills and life skills.

Day 3:

Mr.Swaminathan Mani, Director, Seneca Global IT Services Pvt. Ltd., started his talk with briefing on diversity, equity and inclusion, presented a case study on women in STEM and pioneering STEM women in India from field of medicine, engineering, mathematics and science and technology.

Mrs. Anuradha S Prakasha, Associate Project Director, ISRO, spoke about maintaining work-life balance by setting goals, prioritizing and planning, enjoying work, celebrating small achievements, innovating, encouraging others, importance of having organizational welfare measures, extended support from family, friends, peers, personal physical and mental well-being to collectively excel. She also shared her professional experiences from ISRO.

Day 4:

Dr. Sapna Devendra, Regional Head, Ambuja Cements presented on the topic of Passion and Profession. She started her talk by speaking about values and mission statements, sources of ethical norms, ethical principles, values at workplace and the importance of having healthy competition to innovate.

Dr. Vijayalakshmi Akella, Professor and Head, Department of Civil Engineering, KSSEM spoke about WE: From past to present and the take aways from then to now. She began with citing examples of Sati, Sita, Draupadi and WE from the four yugas who were emotionally strong and possessed immense strength. She also spoke about the meaning of real education, that it meant reducing dualities which can be controlled by mind and how being at peace with one's self is more important for achieving work-life balance. She also gave examples of influencers like Oprah Winfrey, Prajakta Koli, women combat pilots, and achievers like Sudha Murthy and Indira Nui.

Day 5:

Mr.Nagesh Ramamurthy, Principal Consultant, Aadhya Consulting & Public speaker, spoke about his personal experiences related to the challenges faced by women in their profession, difference between learning and guidance and how determination plays a significant role in order to achieve our goals.

Ar.Vedavalli Prakash, Practicing Architect, spoke about her professional and personal journey and quoted examples of women from various streams and the challenges faced by them.

Valedictory session was held on 21st October, 2022 for which Dr. K V A Balaji, Chief Executive Officer, K S Group of Institutions, Dr, Vijayalakshmi Akella, Prof. and Head of Civil Dept. and Dr. Arekal Vijay, KSSEM were present to address the gathering and issue certificates. A few participants volunteered to express their gratitude to the organizers for conducting this FDP and thanked all the resource persons for their valuable presentations.

(Convenor Signature)

Photographs

Inaugural session: Day 1



Session by Smt.Sailaja P



Session by Sobha Royurru

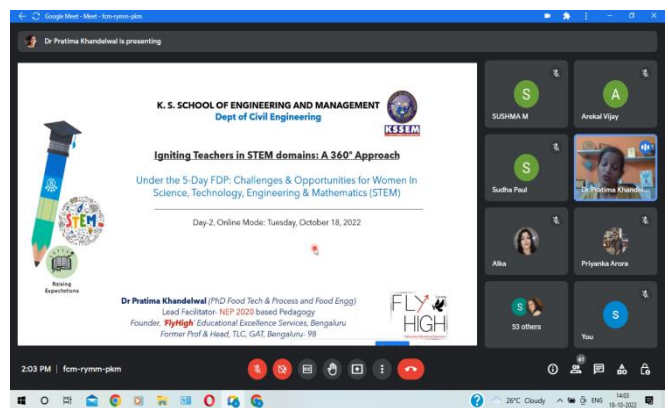


Session by Dr. Alka Kulkarni

Day 2



Session by Mr.Sajit TC

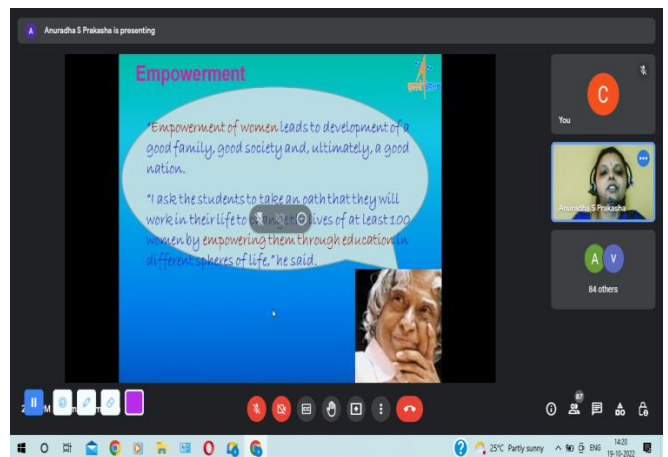


Session by Dr.Pratima Khandelwal

Day 3

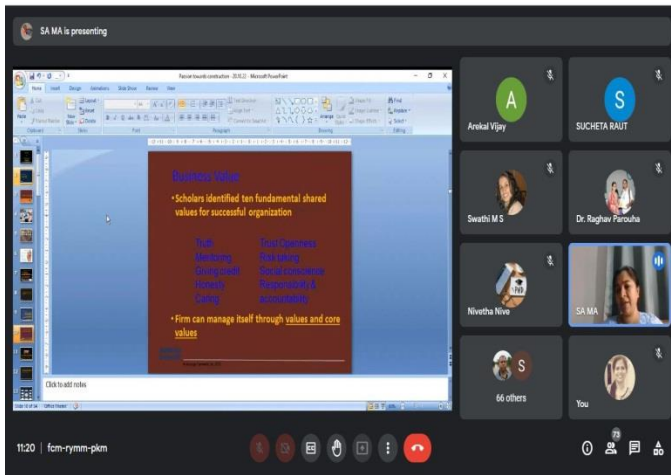


Session by Mr.Swaminathan Mani

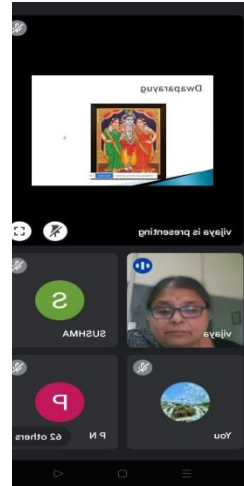


Session by Mrs. Anuradha S Prakash

Day 4



Session by Dr. Sapna Devendra



Session by Dr. Vijayalakshmi Akella

Day 5



Session by Mr. Nagesh Ramamurthy



Session by Ar. Vedavalli Prakash

Valedictory



V. Akella
Professor & Head
Dept. of Civil Engineering
K.S. Group of Institutions
K.S. School of Engineering & Management
Bangalore-560 062
(Convenor Signature)



KSSEM

KAMMAVARI SANGHAM (R)- 1952

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DEPARTMENT OF CIVIL ENGINEERING

This is to certify that

Mr/Ms

Dr. Remya Narayanan

Assistant Professor

Global Academy Of Technology

has participated as a delegate in the Five-Day Faculty Development Programme on The "Challenges and Opportunities for Women in Science, Technology, Engineering & Mathematics" (STEM) held between 17th to 21st of October 2022

[Signature]

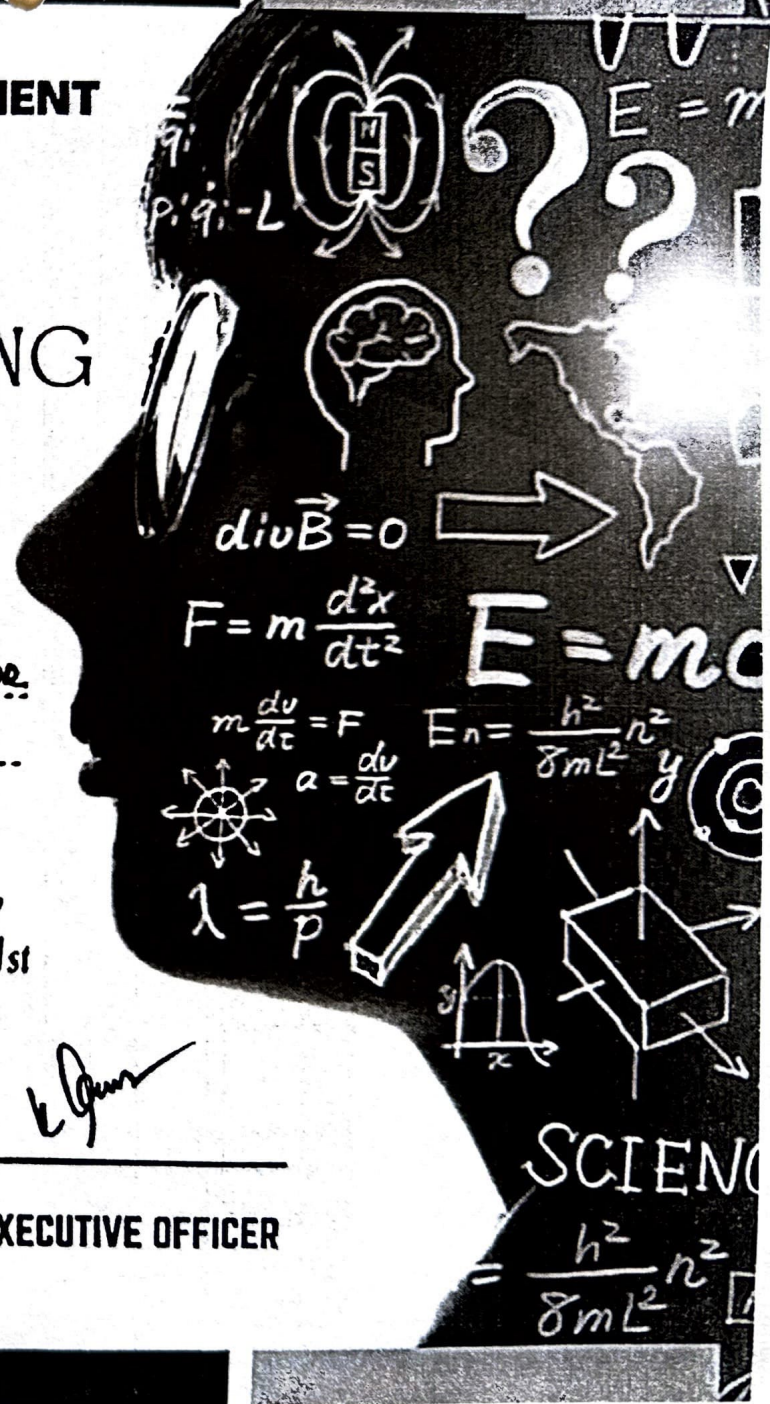
CONVENOR

[Signature]

PRINCIPAL

[Signature]

CHIEF EXECUTIVE OFFICER





KAMMAVARI SANGHAM (R)- 1952

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DEPARTMENT OF CIVIL ENGINEERING

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Mr/Ms

DR. JYOTHI. P.N. PROFESSOR

K. S. S. E. M.

has participated as a delegate in the Five- Day Faculty Development Programme on The "Challenges and Opportunities for Women in Science, Technology, Engineering & Mathematics" (STEM) held between 17th to 21st of October 2022

M. Kelle

CONVENOR

S. K. R. S.

PRINCIPAL

L. G. S.

CHIEF EXECUTIVE OFFICER

