



**EXCELSSIOR EDUCATION SOCIETY'S  
K. C. College of Engineering & Management Studies & Research  
Mith Bunder Road, Kopri, Thane (E)**



**Cycle – 2 NAAC Accreditation 2024**

**Criteria 3: Research, Innovations and Extension**

3.2.1 Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation center and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident.

*Submitted to*



**National Assessment and Accreditation Council**



Excelssior Education Society's  
Regd. Under Public Trust Act. 1950 Regd. No. F-638

# K. C. COLLEGE OF ENGINEERING AND MANAGEMENT STUDIES AND RESEARCH

NAAC Accredited B++ Grade  
(Affiliated To University of Mumbai, Approved by AICTE & DTE)  
(DTE Code 3210)

Ref. No. KCE/C1/22-23/09

Date : 27/06/2022

## Entrepreneurship Development Cell for the year 2022-2023

This is to inform that "Entrepreneurship Development Cell" has been formed and the structure of the cell will look like as:

Sr No	Name	Designation	Department	Sign of Respective Member
1	A.P. Yogesh Karunakar	Head E Cell (Hardware)	EXTC	
2	A.P. Mandar Ganjapurkar	Head E Cell (Software)	COMP	
3	Dr. Avishek Ray	Member	EXTC	
4	Ms. Sheetal Mahajan	Member	EXTC	

It is expected that all undersign will perform their roles and responsibilities with best of their ability.

Regards,

PRINCIPAL

CC : All Concerns.



Dr. Vilas N. Nitnaware  
Principal  
K.C. College of Engineering &  
Management Studies & Research

Mith Bunder Road, Near Sadguru Garden, Kopri, Thane (E) - 400 603  
Tel. : 2532 7100 Fax : 2532 6496 \* E-mail. : principal@kccemsr.edu.in



Excelssior Education Society's  
Regd. Under Public Trust Act. 1950 Regd. No. F-638

# K. C. COLLEGE OF ENGINEERING AND MANAGEMENT STUDIES AND RESEARCH

NAAC Accredited B++ Grade  
(Affiliated To University of Mumbai, Approved by AICTE & DTE)  
(DTE Code 3210)

Ref. No. KCC/C/22-23/06

Date : 27/06/2022

## Research & Development Committee for the Year 2022-2023

This is to inform that "Research & Development Committee" has been formed and the structure of the committee will look like as:

Sr. No.	Name	Designation	Department	Sign of Respective Member
1	Dr. Vilas Nitnaware	Chairman	EXTC	
2	Dr. Baban Rindhe	Coordinator	EXTC	
3	Dr. Arundhati Chakrabarti	Member	HAS	
4	Dr. Shelley Oberoi	Member	HAS	
5	Dr. Rajiv Iyer	Member	EXTC	
6	Dr. Avishek Ray	Member	EXTC	
7	Dr. Poulami Das	Member	COMP	
8	A.P. Aarti Bakshi	Member	EXTC	
9	A.P. Amarja Adgaonkar	Member	IT	
10	Dr. Kiran Bhandari	Member	IT	
11	Dr. Sampurna Mehta	Member	MMS	

It is expected that all undersign will perform their roles and responsibilities with best of their ability.

Regards,

  
PRINCIPAL

CC : All Concerns.



  
Dr. Vilas N. Nitnaware  
Principal  
K.C. College of Engineering &  
Management Studies & Research

Mith Bunder Road, Near Sadguru Garden, Kopri, Thane (E) - 400 603.  
Tel. : 2532 7100 Fax : 2532 6496 \* E-mail. : principal@kccemsr.edu.in



Excelsior Education Society's  
**K.C. College of Engineering and Management Studies and Research**  
(Affiliated to the University of Mumbai)  
Mith Bunder Road, Near Hume Pipe, Kopri, Thane (E)-400603

E Cell Activities List – 2020-21

Sr. No	Name of the workshop/ seminar	Number of Participants	Date From – To
1	Opportunities for Students & Faculties - Early Stage Entrepreneurs	195	27 & 28.5.2021

E Cell Activities List – 2021-22

Sr. No	Name of the workshop/ seminar	Number of Participants	Date From – To
1	Webinar on Innovation & Entrepreneurship	20	17.7.2021

E Cell Activities List – 2022-23

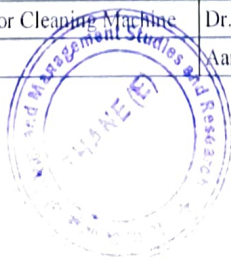
Sr. No	Name of the workshop/ seminar	Number of Participants	Date From – To
1	Industrial Visit at ERTL laboratory Mumbai	30	05.04.2023
2	Industrial Visit At AQM technology	40	3/3/2023

R & D and IPR Activities List Student – 2020-21

Sr. No	Name of the workshop/ seminar	Number of Participants	Date From – To
1	Guest lecture on Guidance to students on Patents and Copyrights	64	17.10.2020
2	Expert Lecture on Technical Writing: tips and Tricks	24	4.1.2021
3	Guest Lecture –In association with RCKCCOE - Intellectual Property Rights and Patenting	108	28-10-20

R & D Activity – Minor Research Project by University of Mumbai A. Y. 2019-20

Name of the research project/ endowment	Name of the Principal Investigator/Co-investigator
Deep Learning Based Framework Assistant Visually impaired person	Pragati Chandankhede
E- Agroinn- Agriculture Product supply in hotel industry	Asmita S. Deshmukh
Adult content Filtration using AI	Mandar Ganjapurkar
Smart Trash Bin	Mrs. Amarja Adgaonkar
art Cloud based Attendance system with website/ Android App	Shubhangi Mangesh Verulkar
Automated Public Toilets system and Energy Conservation	Manasi Choche
IoT Based Multifunctional E- Robot as Floor Cleaning Machine	Dr. Baban U. Rindhe
QUADCOPTER for Flood Relief	Aarti Manoj Bakshi



Dr. Vilas N. Nitnaware  
Principal  
K.C. College of Engineering &  
Management Studies & Research



**Excelsior Education Society's**  
**K.C. College of Engineering and Management Studies and Research**  
(Affiliated to the University of Mumbai)  
Mith Bunder Road, Near Hume Pipe, Kopri, Thane (E)-400603

Energy Harvesting using Piezoelectric effect	Sumita Gupta
Implementation of Chaos based image Encryption on FPGA using Pying board	Yogesh Karunakar

R & D and IPR Activities IPR Activities List Faculty – 2020-21

Sr. No	Name of the workshop/ seminar	Number of Participants	Date From – To
1	FDP on Emerging Areas of Research in Science and Environment	65	5 - 7.6.2021

R & D and IPR Activities IPR Activities List Student – 2021-22

Sr. No	Name of the workshop/ seminar	Number of Participants	Date From – To
1	Guidance to Write and Publish Technical Papers	150	5.3.2022

R & D and IPR Activities IPR Activities List Faculty – 2021-22

Sr. No	Name of the workshop/ seminar	Number of Participants	Date From – To
1	International Conference on Intelligent Systems and Human Machine	100	8.7.2022 & 9.7.2022

R & D and IPR Activities IPR Activities List Student – 2022-23

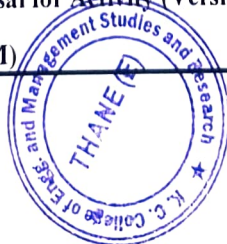
Sr. No	Name of the workshop/ seminar	Number of Participants	Date From – To
1	Guidance to Write and Publish Technical Papers	50	29/03/2023

R & D and IPR Activities IPR Activities List Faculty – 2022-23

Sr. No	Name of the workshop/ seminar	Number of Participants	Date From – To
1	Guidance to Write and Publish Technical Papers	30	29/03/2023

Proposal for Activity (Version 1.2)

Academic Year: 2021-22(ODD SEM)



*Dr. Vilas N. Nitnaware*  
Principal  
K.C. College of Engineering & Management Studies & Research



Excelsior Education Society's  
**K.C. College of Engineering and Management Studies and Research**  
(Affiliated to the University of Mumbai)  
Mith Bunder Road, Near Hume Pipe, Kopri, Thane (E)-400603

I. Basic Details:

Name of The Activity: Webinar on INNOVATION & ENTREPRENEURSHIP			
Proposed Day & Date of Conduction	Name of Faculties Coordinator	Department	Coordinator 's email & Phone no.
Saturday 17th July 2021	Prof. Hasib Shaikh & Prof. Asmita Deshmukh	Industry Institute Interaction Cell	<a href="mailto:Hasib.shaikh@kccemsr.edu.in">Hasib.shaikh@kccemsr.edu.in</a> 9930958032 <a href="mailto:asmita.deshmukh@kccemsr.edu.in">asmita.deshmukh@kccemsr.edu.in</a> 9969364058
Time (Duration in hours)	Venue	Activity for class/group Student/Neighborhood (Target number)	Nature: Academic/co-curricular / extracurricular/ Environmental/ social/ other
11 am (1 Hour)	Online	Final year MMS and Final year Engineering students & Faculties (60)	Extracurricular

III. Brief Information about the Activity (Criterion no - ):


Topic/ Subject of the activity	Business Strategies post Covid-19
	Choose any one from the following Topic from syllabus Content beyond syllabus Bridge Course ----- - Choose any one from the following Value added course Add-on on course
	Was the above topic conducted in previous 2A.Y.?  If Yes, Name of the internal faculty who attended the same training in previous 2 A. Y.      NO



  
**Dr. Vilas N. Nitnaware**  
Principal  
K.C. College of Engineering &  
Management Studies & Research



Excelsior Education Society's  
**K.C. College of Engineering and Management Studies and Research**  
(Affiliated to the University of Mumbai)  
Mith Bunder Road, Near Hume Pipe, Kopri, Thane (E)-400603

Objective for conducting the activity	Making students aware about business strategies in the post covid situation
Name of External Speaker / Guest	Dr. NS Poonawala, Dean (R & D) IIC
Has guest visited in last two year in your department?	YES No If yes When _____ What was the topic of delivery? _____
Is guest an alumni	YES No If Yes, alumni faculty coordinator sign _____
Methodology	online webinar using google meet
Program Outcome	PO6, PO7, PO8
Course Outcome	
Any other workshop or guest lecture or training planned for the same audience in this semester (If yes, please specify)	 HoD Sign
Budget Required	No

*Asmita D*  
*Hasib S*  
Coordinator Signature  
Asmita D & Hasib S.



*NS Poonawala*  
Coordinator

*Vilas N. Nitnaware*  
Principal

**Dr. Vilas N. Nitnaware**  
Principal  
K.C. College of Engineering &  
Management Studies & Research



Excelsior Education Society's  
**K.C. College of Engineering and Management Studies and Research**  
(Affiliated to the University of Mumbai)  
Mith Bunder Road, Near Hume Pipe, Kopri, Thane (E)-400603

Activity Report

.File No. / Ref. No

Academic Year: 2021-22(ODD SEM)

Basic Details:

Name of The Activity: Webinar on INNOVATION & ENTREPRENEURSHIP			
Proposed Day & Date of Conduction	Proposed Day & Date of Conduction	Department	Coordinator 's email & Phone no.
Saturday 17th July 2021	Prof. Hasib Shaikh & Prof. Asmita Deshmukh	Industry Institute Interaction Cell	<a href="mailto:Hasib.shaikh@kccemsr.edu.in">Hasib.shaikh@kccemsr.edu.in</a> 9930958032 <a href="mailto:asmita.deshmukh@kccemsr.edu.in">asmita.deshmukh@kccemsr.edu.in</a> 9969364058
Time (Duration in hours)	Venue	Activity for class/group Student/Neighborhood (Target number)	Nature: Academic/co-curricular / extracurricular/ Environmental/ social/ other
11 am (1 Hour)	Online	Final year MMS and Final year Engineering students & Faculties (60)	Extracurricular

II. Brief Information about the Activity (Criterion no - ):

Topic/ Subject of the activity	Webinar on INNOVATION & ENTREPRENEURSHIP
Objective for conducting the activity	Making students aware about business strategies in the post covid situation



Dr. Vilas N. Nitnaware  
Principal  
K.C. College of Engineering &  
Management Studies & Research





Excelsior Education Society's  
**K.C. College of Engineering and Management Studies and Research**  
(Affiliated to the University of Mumbai)  
Mith Bunder Road, Near Hume Pipe, Kopri, Thane (E)-400603

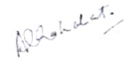
Methodology	Online
Course Outcome	
Program Outcome	PO6, PO8, PO10
Budget Received (if any)	NIL

- III. Proofs attached(scan copies): communication letters/notice/Details of Guest/authenticated signed list of participants/ certificate format (if any)/ document/payment vouchers/one page report/photos/feedback analysis/ any other

1. ATTENDANCE	0. Feedback analysis	0. IQAC approval letter
0. Photos		0.
0.	0.	0.





Coordinator

HOD

IQAC Coordinator



  
**Dr. Vilas N. Nitaware**  
Principal  
K.C. College of Engineering &  
Management Studies & Research



Excelsior Education Society's  
**K.C. College of Engineering and Management Studies and Research**  
(Affiliated to the University of Mumbai)  
Mith Bunder Road, Near Hume Pipe, Kopri, Thane (E)-400603

Activity Report

Webinar on INNOVATION & ENTREPRENEURSHIP

Class: ALL Branches Final Year & MMS

Date: 17th July 2021

Venue: Google meet

Total Attendee count: 20

Conducted by: Industry Institute Interaction Cell (IIIC)

Objective: To Make students aware about business strategies in the post covid situation

Activity Report:

**Following points were discussed:**

12 business goals:

- Sketching an apt business plan
- Hiring and retaining a skilled workforce
- Financial stability
- Aligning marketing and sales
- Generating greater ROI
- Online positioning
- Growth, growth, and growth



*Dr. Vilas N. Nitnaware*  
Principal  
K.C. College of Engineering &  
Management Studies & Research



Excelssior Education Society's  
**K. C. College of Engineering and Management Studies and Research**  
(Affiliated to the University of Mumbai)  
MithBunder Road, Near Hume Pipe, Kopri, Thane (E)-400603

- Becoming more efficient in all sectors
- Creating a brand appeal
- Giving back to the community
- Never repeating past mistakes
- Positive experiences for customers

Excelssior Education Society's  
K.C. College of Engineering & Management Studies & Research,  
Thane (E) Mumbai

**WEBINAR ON  
INNOVATION  
&  
ENTREPRENEURSHIP**  
FOR STUDENTS MMS, ENGINEERING  
& FACULTIES

DEPARTMENT :  
Industry Institute Interaction Cell (IIC)  
and E-cell

17/07/2021 11AM ONWARDS

**ONLINE  
ON**

**SPEAKER**  
**DR. N.S Poonawala**  
DEAN (R & D) & DIRECTOR (IIPP),  
KCCMSR

KCTV\_KCCMSR KCCMSR\_SOCIAL KCCMSR  
KCCMSR.EDU.IN 9594477844 KCCMSR\_SOCIAL social.kc2001



Excelsior Education Society's  
**K.C. College of Engineering and Management Studies and Research**  
(Affiliated to the University of Mumbai)  
Mith Bunder Road, Near Hume Pipe, Kopri, Thane (E)-400603

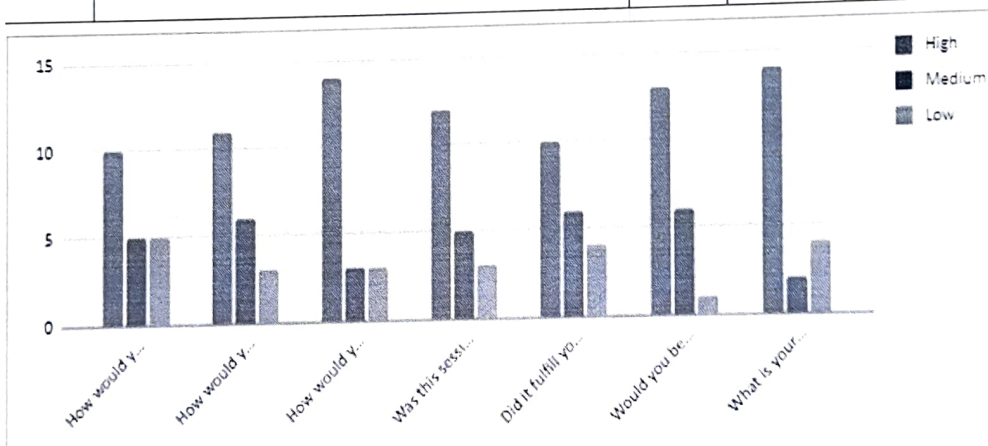


**K. C. College of Engineering and Management Studies and Research**  
(Affiliated to the University of Mumbai)  
Mith Bunder Road, Near Hume Pipe, Kopri, Thane  
Academic year 2021-22 - ODD Sem  
**Feedback Analysis**

Name of activity : Webinar on INNOVATION & ENTREPRENEURSHIP

No of Feedback form :- 20

Sr.No.	Particulars	High	Medium	Low
1	How would you rate the effectiveness of the Presenter Presentation?	10	5	5
2	How would you rate the duration of the session?	11	6	3
3	How would you rate the applicability of the session?	14	3	3
4	Was this session useful and informative?	12	5	3
5	Did it fulfill your expectations?	10	6	4
6	Would you be interested in attending similar session in the future?	13	6	1
7	What is your overall rating for the session	14	2	4



**Dr. Vilas N. Nitnaware**  
Principal  
K.C. College of Engineering &  
Management Studies & Research



**Excelssior Education Society's**  
**K. C. College of Engineering and Management Studies and Research**  
(Affiliated to the University of Mumbai)  
MithBunder Road, Near Hume Pipe, Kopri, Thane (E)-400603

**Indian Knowledge System (IKS): - List of activities conducted under IKS.**

Sr. No	Name of the Event	Number of Participants	Date From – To
1	International Yoga Day	25	21/06/2022
2	Holi Celebration using natural Colors	50	07/03/2023
3	Nirali Exhibition (Promotion of Handloom)	100	08/03/2023
4	International Yoga Day Celebration	50	21/06/2023
5	Holi Celebration using natural Colors	50	23/03/2023





Excelssior Education Society's  
**K. C. College of Engineering and Management Studies and Research**  
(Affiliated to the University of Mumbai)  
MithBunder Road, Near Hume Pipe, Kopri, Thane (E)-400603




**International Yoga Day Celebration**






Excelsior Education Society's  
**K.C. College of Engineering and Management Studies and Research**  
(Affiliated to the University of Mumbai)  
Mith Bunder Road, Near Hume Pipe, Kopri, Thane (E)-400603

NPTEL Certification Completed by Faculty on IKS in A. Y. 22-23

  
swayam




  
CHANAKYA  
UNIVERSITY

  
IIMB  
इण्डियन इन्स्टीट्यूट ऑफ मैनेजमेंट

### SWAYAM ONLINE COURSE CERTIFICATION

*This certificate is awarded to*  
**Amarja Adgaonkar**  
*for successfully completing the Four credit course*  
**Concepts and Applications in Engineering**  
*with a consolidated score of 58.1%*  
*(proctored examination held on 01/12/2023) - July 2023 Semester*  
offered by **Indian Institute of Management Bangalore and**  
**Chanakya University, Bangalore**

  
Dr. Sushant T Joshi  
Registrar,  
Chanakya University, Bangalore

  
Vasanthi Srinivasan  
National Coordinator  
Indian Institute of Management Bangalore

Issued On : 27/12/2023  
To validate and check scores : <https://swayam.gov.in/>



  
**Dr. Vilas N. Nitnaware**  
Principal  
K.C. College of Engineering &  
Management Studies & Research