FR.CONCEICAORODRIGUESCOLLEGEOFENGINEERING
FR.AgnelAshram,Bandstand,Bandra(W),Mumbai–400050

IIC-FrCRCE

IEEE - CRCE and Research and Development Committee organized a seminar in association with IIC-FrCRCE onWRITING RESEARCH PAPER AND PATENT APPLICATION.

Seminar Name	**:** Writing Research Paper and Patent Application
Date	**:**26th August2022
Venue	**:** Samvaad Hall

Institute of Electrical and Electronic Engineers (IEEE-CRCE),Research and Development Committee (R &D) and Institution Innovation Council of Fr. CRCE(IIC-FrCRCE)had organized a seminar on Writing Research Paper and Patent Application on 26th August 2022 from 01:30 pm to 04:00pm at Samvaad hall. The objective of the seminar was to encourage students for writing research papers and applying for patents related to their project outcomes during engineering program, to explain the approach and process of writing research paper and patent application and to clear their doubts regarding the same. Our speakers for the seminar were our respected principal Dr.Surendra Singh Rathod and his ex-student Mr. Jenil Dave.

Around 220 participants attended this Seminar. As the session was in offline mode at the college the response from the students was appreciable.

We began our seminar with our principal Dr. Surendra Singh Rathod. He has completed his Ph.D. from the Indian Institute of Technology (IIT) Roorkee on 'Radiation Effects in MOS Devices and Circuits. He was a professor of Electronics Engineering with more than 22 years of teaching experience. His special fields of interest include VLSI design, Analog CMOS VLSI, Verilog Programming, Verification using System Verilog, device modeling, and circuit simulation. Apart from these technical courses, he is also engaged in Technology and Law, Design Thinking, etc.He has served as Head of the Electronics Engineering Department at Sardar Patel Institute of Technology Mumbai for eight years.He is also 'Students Chairperson' of Mumbai Section of FSAI (Fire and Security Association of India) which is a non-profit organization devoted to the cause of creating awareness of Fire, Safety and Security making 'Surakshit Bharat'.

Our host of this Seminar was the Vice chairperson of IEEE Santo Sunny, he started the session by welcoming and introducing our speakers to the audience.

Respected principal sir began the session by introducing himself and the motive of the Research paper, and the general process of writing research papers and publishing techniques. The session aimed at solving the doubts of students on “What is Research Paper?” and “How it will help the students to take their innovative ideas to the National & International Level?” also to promote Research & Development. Sir explained the Step-by-step procedure for writing Research Paper.

He mentioned a right way to choose a topic for a research paper, the types of research papers, directed for future work, and a summary of the research paper. He explained the importance of Abstract and how to write it effectively. He explained the Table of Illustrations, Conclusion, References, etc. Then he explained the parameters considered for selecting the right journal to submit ofpaper for publication and paper publication options.He also explained the review process, Types of Peer reviews, Article processing charges, and other aspects related to publishing process.

The next Speaker Mr. Jenil Dave explained the procedure for writing patent application for “Patent Filing". He is the ex-student of our Principal from SPIT College. Principal sir guided him and he published multiple research papers and he has 2 patents under his name. During the session, he explained "Intellectual property" & "Patents". Then he explained what can and cannot be patented. He also explained various forms to be filled while applying for a design or product patent. He then explained how to complete all the legal documentations work necessary to file a patent in India.

After Mr. Jenil Dave ended his presentation, question & answer session began. One of the students asked, "Is it necessary to add more data to the research paper?" The principal sir replied to him that the research paper is all about writing the research problem, methodology, results and conclusion in precise manner. It is advisable to avoid any redundant data to keep the paper specific. He suggested following IEEE standards to write a research paper. He also said to write paper in a positive manner avoiding any negative approach.

Another Student asked a question"Do we need to hire a patent lawyer to file a patent?". Mr. Jenil Dave replied to him saying Patent lawyers definitely help in filling the forms in an appropriate legal language however may not be affordable for many of the students during this phase of their life. Therefore, he suggested to file the patent on own as though challenging it will help improving the understanding about the patent filing process and can also provide new avenues for career options to young engineers.

Our host Vice – Chairperson of IEEE Santo Sunny concluded the seminar by appreciating and Thanking our Principal Dr. Surendra Singh Rathod and Mr. Jenil Dave and the participants present in Seminar.

The outcome of the event was to get an overall idea of research paper publication and Patent Filing. The students learnt how they are benefitted from it in their academics and career. The sessionproved motivational for the participants to write a research paper or patent application. The seminar was successful where all the doubts of participants got cleared and they got a better understanding of publishing research paper & Patent filing.

Research and Development Committee, CRCE

Event Name : Workshop on IPR and IP Management for Startup

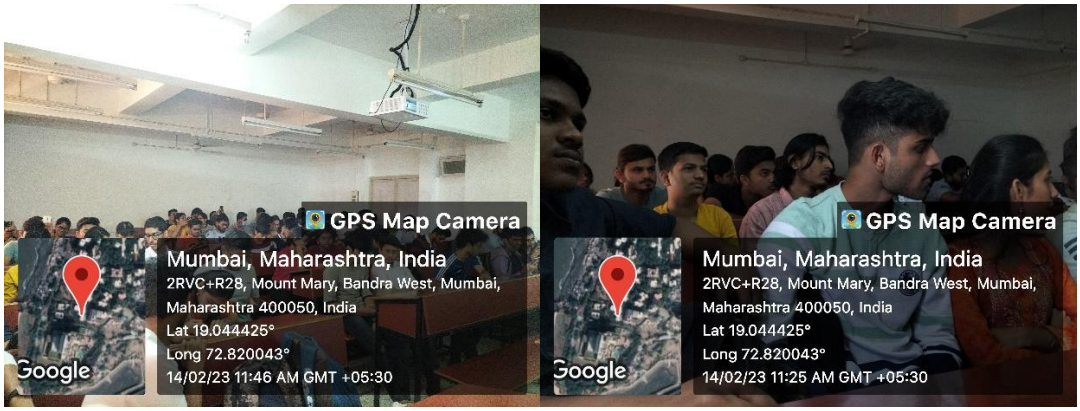
Date : 14th February 2023

Venue : Classroom 406

Research and Development (R&D) Committee and Institution Innovation Council of Fr. CRCE (IIC-FrCRCE) organized a workshop on IPR and IP Management for Startup on 14th February 2023 from 11:00 am to 12:30 pm in classroom 406. The objective of the workshop was to create a vibrant innovative ecosystem by encouraging and inspiring innovations and thus develop better cognitive development in technological students. The workshop was conducted by Dr. Ketaki Joshi, Incharge-R&D, CRCE. Sixty-one students from Mechanical Engineering attended this workshop.

The speaker began the session by explaining intellectual property and intellectual property rights followed by explaining the different types of intellectual property rights like Copyright, Patents, Trademarks, designs, geographical indications, semiconductor IC layouts, trade secrets, plant varieties etc. All the types were explained in detail with examples and student activities. Following it the speakers explained the process of filing a patent and the conditions required for it. The speakers also elaborated the objectives of national IPR policy, IP infringement and remedies with illustrative examples.

Furthermore, she explained the initiatives taken by Cell for IPR Promotion and Management (CIPAM), Department of Industrial Policy and Promotion, Government of India to to create public awareness about economic, social and cultural benefits of IPRs among all sections of the society and benefits offered to startups by the government to file various forms of IPRs along with the do's and don'ts for IP generation and management for startups.



This session received a very good Participation from students and the students interacted proactively with the speaker to resolve their various queries related to IP generation and management.

Outcome of the Program:

The participants became aware of various types of IPRs and their validity. They also learnt the process of filing patents, requisites for IPR and IP infringement and remedies. They were also made aware of initiatives by the government to encourage innovations in startups and support them for IP generation and management.

Research & Development Committee
Fr. CRCE

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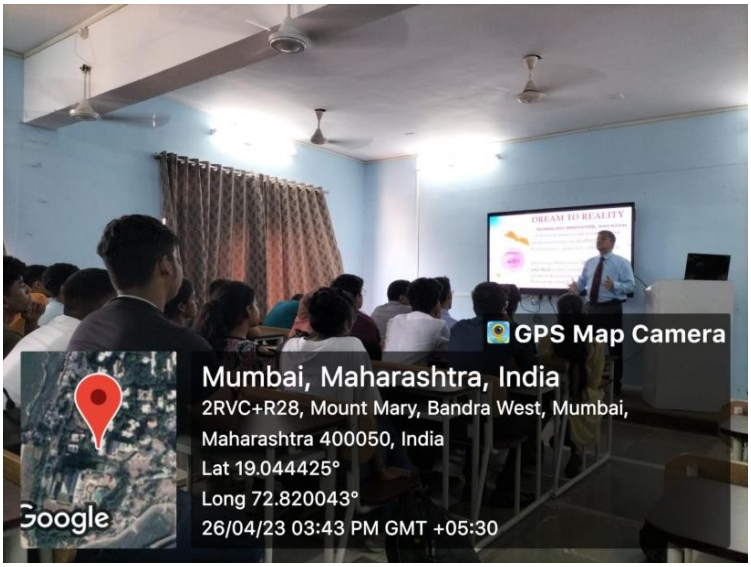
IIC-FrCRCE

Report of Dream to Reality Session on the occasion of World Intellectual Property Day

Speaker	: Prof. M V B Rao
Date of Event	:26/04/2023
Duration	:1 Hour
Organised by	: R&D Committee (IPR Cell) and IIIExCRCE
Total Number of Participants	25
Venue	706

The objective of the workshop was to create a vibrant innovative ecosystem by encouraging and inspiring innovations and thus develop better cognitive development in technological students. Prof. Sangeeta welcomed the participants and introduced the speaker. The speaker created awareness about various types of intellectual properties, methods to file the patents and IP infringement. Dr. Ketaki Joshi thanked the participants for their active listening and speaker for the informative session.



Outcome of the Program:

The participants learnt about various types of IPRs and their validity. They also learnt the importance of IPR.

Research & Development Committee

Fr. CRCE

Research and Development Committee in association with IIC-FrCRCE organized one day workshop on RESEARCH, FUNDING AND IPR for the research scholars and faculty members.

Program Name	**: Faculty Workshop on Research, Funding and IPR**
Date	**:** 15th October 2022
Venue	**:** Seminar Hall, 5th floor, CRCE Building.

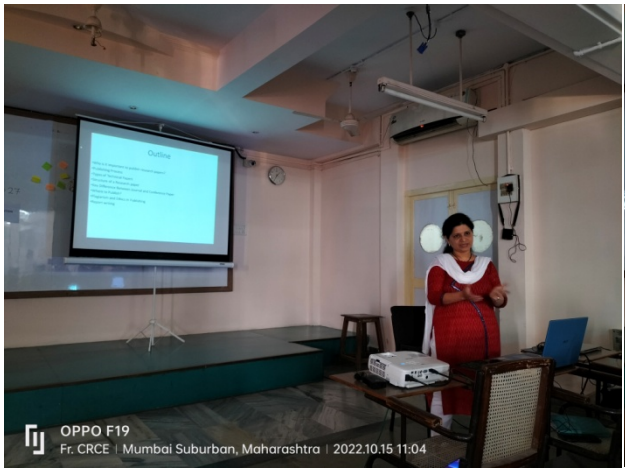
Research and Development Committee (R&D) and Institution Innovation Council of Fr. CRCE (IIC-Fr.CRCE) organized a workshop on '***Research, Funding and IPR***' on 15th October 2022 from 10:00 am to 4.00 pm. The seminar was organized into two sessions: The morning session was conducted form 10.00 am to 1.00 pm and was organized in Seminar hall, 5th Floor. The morning session was on topics 'Research, funding and IPR'. The objective of the seminar was to inculcate and promote research culture in CRCE and also to mentor faculty members and research scholars of CRCE for research related activities such as report writing, publication, patent filing etc. The morning session was conducted by our Principal Dr. Surendra Singh Rathod and Head of the departments of CRCE: Dr. Sujata Deshmukh (HOD- Computer Engineering), Dr. Bhushan Patil (HOD- Mechanical Engineering), Dr. Sapna Prabhu (HOD- ECS) and Dr. Jagruti Save (HOD- AI&DS). The afternoon session was on '***Writing Reports and Research papers using LaTeX***' delivered by 'Dr. Promod P. Bhavarthe', HEAD and Associate Professor in Electronic and Telecommunication Department, Padmabhushan Vasantdada Patil Pratishthan's College of Engineering, Mumbai.
Around 47 faculty members and 9 research scholars participated in the seminar.

Prof. Dipali Koshti (Assistant Professor in ECS), welcomed Principal, all HODs , Faculty members and Research scholars. She briefed about the objectives of the seminar to all participants. The first session was by Dr. Sujata Deshmukh on ‘Research Funding’. She gave the information about various funding agencies where faculty and research scholars may apply for funding, discussed important points to be included in applications for research funding. The session was very informative and interactive.

The next session was delivered by Dr. Bhushan patil on ‘Patents and IPR’. He explained various intellectual properties and guided all the participants through the process of patent filing. The session was very informative and participants took interest and asked many questions regarding patents and copyrights.

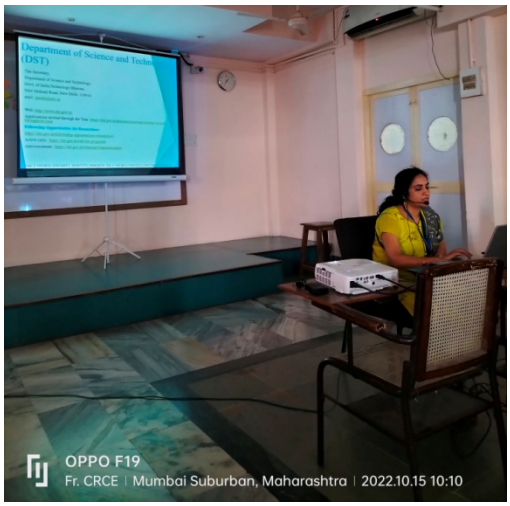
The following session was taken by Dr. Sapna Prabhu on 'Research Paper and Report writing’. She provided very crisp and important tips on how to write effective technical papers.

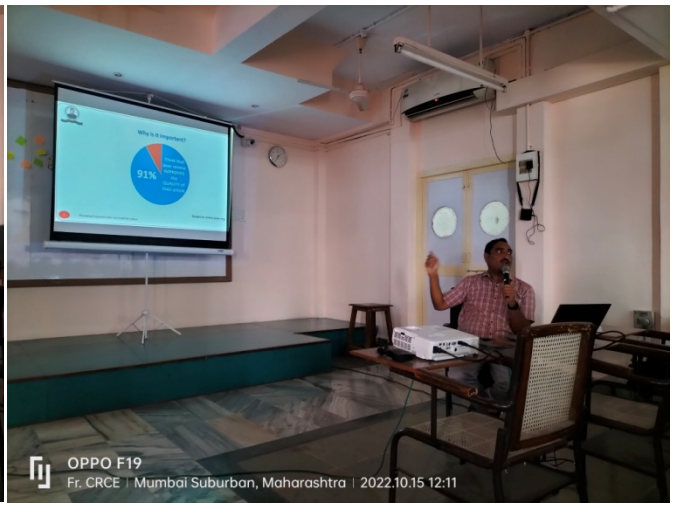
The next session was conducted by Dr. Jagruti Save on ‘Ethics in Research’. She explained about fundamental ethical principles to research activities, respect towards society and others, the use of resources and research outputs, scientific misconduct and the regulation of research.



The last session of the morning slot was conducted by our own Principal Dr. Surendra Singh Rathod on 'Review Process'. He explained the entire review process usually followed in all high quality Journals. He also explained how research papers are checked by various Authors, Editors, Reviewers, Types of Peer reviews, Article processing charges, etc. He also cleared doubts of many faculty and research scholars regarding selection of Journals, review process, peer review process etc.

The morning session was concluded by prof. Dipali Koshti. She thanked the speakers for sharing their knowledge and guiding the participants in the related domain. She also thanked all participants for actively participating in the seminar.





The After session began at 1.30 pm. Dr. Ketaki Joshi introduced and welcomed Dr. Pramod P. Bhavarthe, Head and Associate Professor, Padmabhushan Vasantdada Patil Pratishthan's College of Engineering, Mumbai. Dr. Pramod completed his Ph.D. in Electronics and Telecommunication in 2018 from Sardar Patel college of Engineering. He has published many technical papers in IEEE transactions and reputed international Journals. He is also a reviewer for many IEEE Transaction and IET journals. He has also published patent and received many awards.

The session on "***Writing Reports and Research papers using LaTeX***" was specially organized for research scholars. The session was attended by 18 Research Scholars from CRCE and outside universities. Dr. Pramod begun the session with importance of writing and presenting the content in technical paper. He gave hands-on on how to use 'OverLeaf' online LaTeX editor to write technical paper, how to plot images using LaTeX and also demonstrated a sample manuscript using LaTeX. All the research scholars followed him and asked many questions regarding plotting 2D and 3D figures, selection of journals and many more questions. At the end Dr. Ketaki concluded the seminar by appreciating and Thanking Dr. Pramod Bhavarthe and all the participants.

The outcome of the event:

All the participant got an overall idea about various schemes for research fundings, writing research technical research papers and filing the patents. Also, they learned the importance of research ethics-dos and don'ts. They understood behind the scene review process, peer review process, criteria for selecting papers etc. Knowledge of all these topics definitely will motivate faculty members and research scholars to apply for funds, patents and write quality research papers. The research scholars also got an insights into use of LaTex online editor for improving the quality of the paper and report in terms of presentation.

Research and Development Committee
Fr. CRCE

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING

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INSTITUTION'S INNOVATION COUNCIL (Ministry of HRD Initiative)

IIC-FrCRCE

Seminar Report

Seminar session on Design to Manufacture – A Quick Tour

DATE: 24/08/2022

IIIExCRCE at Fr.Conceicao Rodrigues College of Engineering, Bandra, Mumbai organized one webinar on Design to Manufacture.

Name of the event : Design to Manufacture – A Quick Tour

Guest speaker : Mr. Siddhesh Bhopi

Date of event : August 24, 2022

Location of the event : Fr.Conceicao Rodrigues College of Engineering, Bandra, Mumbai

Number of faculty members attended : 8

Number of students attended : 80

Introduction of speaker : Completed M.E. Mechanical (Cad/ Cam/ Robotics) from Fr.CRCE. Currently working as a Product Design and Development Engineer in a Start-up named AyuDevices Pvt. Ltd. He has 3+ years of industrial experience in product development.

The event was organized for the SE and TE students.

The objective of the seminar was to make everyone understand the process that takes place between the designing and manufacturing of a product and the different types of phases between designing and manufacturing of a product.

The event began with few words of wisdom and knowledge from our faculty members. After starting the event from their enlightening words we handed over the dais to our respected speaker. The speaker started the event by asking the audience a simple question, " What do you all think when you hear the word design ? ", to which he got very different responses. The speaker then told everyone the correct information of the word 'design'. After telling everyone the correct definition of the word 'design', he briefed everyone with different types of design and design processes.

The speaker spoke about different types of design related softwares used in industries and also told everyone about the scope of being a design engineer. After giving a brief desciption about design, he explained the audience the journey of a product from the design phase to manufacturing phase. He also spoke about different types of manufacturing processes. He then told the audience his personal experiences of being a design engineer. He also interacted with the audience and solved their doubts.

The event then ended by one of our council member thanking the speaker and the audience and gifting the speaker and other faculty members a tulsi plant as a token of appreciation.

Fr. Conceicao Rodrigues College of Engineering
Department of Mechanical Engineering
Seminar
DESIGN TO MANUFACTURE
- A QUICK TOUR
Organized by
IIEx CRCE
Venue: Seminar Hall, Fr.CRCE, Bandra (W)
Time & Date:
2.00 pm to 3.30 pm
(24th August 2022)
In association With:
INSTITUTION'S INNOVATION COUNCIL
IIC-FrCRCE
ALUMNI ASSOCIATION
Mr. Siddesh C. Bhopi
Product Design and Development Engineer
@ AyuDevices Pvt. Ltd (Start-up)

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING

Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400050

IIC-FrCRCE

Seminar Report

BUSINESS MODEL CANVAS

DATE: 10/10/2022

IIIExCRCE at Fr.Conceicao Rodrigues College of Engineering, Bandra, Mumbai organized a webinar on Business Model Canvas.

Name of the event : Business Model Canvas

Guest speaker : Mr. Tushar More

Date of event : October 10, 2022

Location of the event: Fr.Conceicao Rodrigues College of Engineering, Bandra, Mumbai

Number of faculty members attended : 2

Number of students attended : 65

Introduction of speaker : Mr. Tushar More is a UI/UX design consultant. He has 14+ years of work experience, with 10 years of experience in Digital advertising and Web Development. He has conducted 200+ trainings so far, including companies like Adobe, Volkswagen, Michelin, TATA, etc. He even conducted a session on digital transformation in Manthan Arts School. He, introduced the concept of live projects to his students & encouraged them to get involved on some projects to gain real-world experience.

The event was organized for the SE, TE and BE students.

The objective of the seminar was to make everyone aware about the concept of business model canvas which is an important aspect of creating a start up and was vital for the students who aspire to start their own business.

The event began with few words of wisdom and knowledge from our faculty member. After starting the event from their enlightening words we handed over the dais to our respected speaker. The speaker started the event by asking the audience a simple question, “What did they know about Business Model Canvas?” to which he got many different responses. The speaker then told everyone the correct information. He then shared some experiences which he had gained by working in the world of start-ups.

He then told us about how creating awareness among everyone about Business Start up is important as there are less job opportunities. He then briefed us about “Peer Learning” in which he mentioned about how beneficial it is to work as a group and learning in this manner is much easier and quicker way.

The speaker then pointed out 9 mandatory aspects of a business model canvas which include;

1. Customer Segments

2. Value Proposition

3. Revenue Streams

4. Customer Relations

5. Channels

6. Key Activities

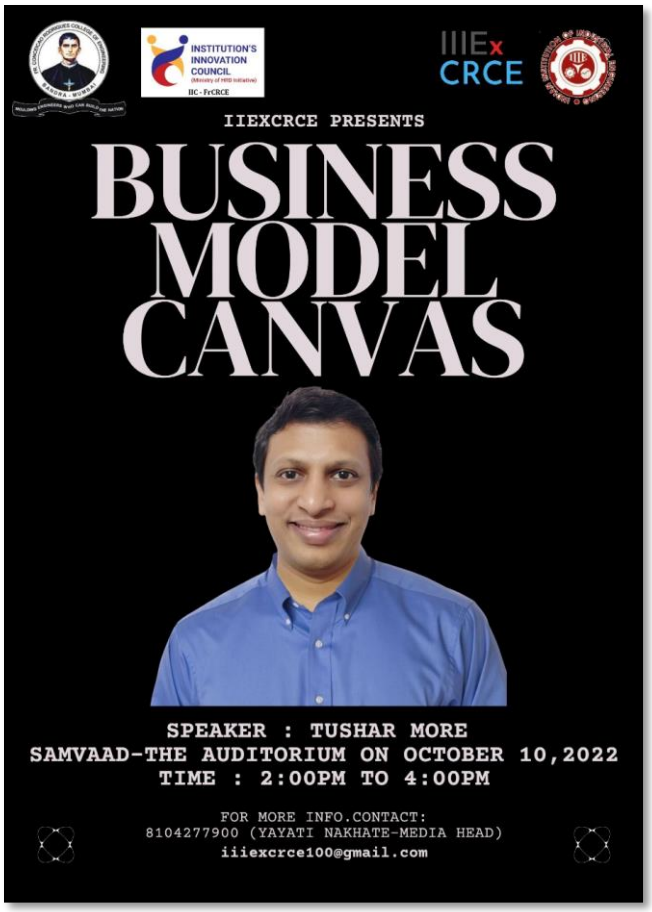
7. Key Resources

8. Key Partners

9. Cost Structure

He then went on to give a few examples of business modules canvases of successful conglomerates. After this he explained the needs to create a Business Model in which he mentioned about how working on “Economy and Society” plays a vital role in the betterment of the Business Model Canvas. He also interacted with the audience and solved their doubts.

The event then ended by one of our council member, Mr. Kushal Patil by giving a vote of thanks to the speaker and the audience and giving the speaker a token of appreciation.


INSTITUTION'S INNOVATION COUNCIL
IIC - FrCRCE
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IIEXCRCE PRESENTS
BUSINESS MODEL CANVAS
SPEAKER : TUSHAR MORE
SAMVAAD-THE AUDITORIUM ON OCTOBER 10,2022
TIME : 2:00PM TO 4:00PM
FOR MORE INFO.CONTACT:
8104277900 (YAYATI NAKHATE-MEDIA HEAD)
iiiexcrce100@gmail.com