

Dempo Charities Trust's
DHEMPE COLLEGE OF ARTS & SCIENCE
MIRAMAR, PANAJI-GOA

A REPORT of the Activities Conducted by
INSTITUTION'S INNOVATION COUNCIL
ACADEMIC YEAR 2021-2022

VISION

- Learning
- Innovation
- Creation
- Inclusion
- Empowering Society through Holistic Education

MISSION

- To foster participative learning for meaningful knowledge acquisition.
- To instill scientific temper along with humane values for righteous use of education.
- To promote applicative research and innovative initiatives.
- To develop creativity among students through personality enhancement and skill development programmes.
- To generate functional interfaces with society for inclusive growth. To promote global learning for mutual enrichment.

The Council comprises of four external members (two start-up/alumni entrepreneurs, one industrial expert and a member of an incubation centre), 14 faculty members and 09 student members:

Name of the Members	Key Role/ Position assigned in IIC
Dr. Vrinda Borker	Head of the Institute
Mrs. Deepa Audi	President
Mr. Sanjay R. S. Priolkar	Technical expert from nearby industry
Mr. Ravindra A. Manerkar	Representative from nearby incubation centre
Mrs. Shobha Kamat Tarcar	Alumni entrepreneur from the host institution
Mr. Smitesh Talawadekar	Alumni entrepreneur from the host institution
Dr. Manoj Ibrampurkar	Vice president
Dr. Ramu Murthy	Convener
Dr. Shilpa Samant	Internship coordinator
Dr. Karuna Singh	IPR activity Co-ordinator
Dr. Chandan Naik	Start-up activity coordinator
Dr. Swati Pawar	NIRF Coordinator
Dr. Bhanudas Naik	ARIIA coordinator
Mr. Mohit Suktankar	Social media coordinator
Mr Snehel Harmalkar	Innovation activity coordinator

List of Student Members

Name of the Members	Key Role/ Position assigned in IIC
Mr. Vinit Nadkarni	Student Innovation Coordinator
Mr. Sameer Ismail Sheikh	Student Internship Coordinator
Mr. Shivam Subhash Gawas	Student IPR Coordinator
Ms. Harsha Nagesh Das	Student Start-up Coordinator
Mr. Soham Naik	Innovation and Social Media Coordinator
Mr. Shwetakshi Mishra	Start up Coordinator
Mr. Anand Raj	Student Member
Mr Laximan Mantri	Student Member
Mr Vishwesh Govekar	Student Member

1. Problem Solving and Ideation Workshop.

A workshop on Problem Solving and Ideation Workshop was organized on 4th December 2021, between 10:00 am to 12:00 noon. The resource person for the workshop was Ms. Ameena Bukhari She spoke on the key areas of taking an idea from concept to product and also the innovative method for solving any problem using Brain storming and Ideation strategy

The total number. of beneficiaries were 30 The workshop was coordinated by Mr. Snehal Harmalkar



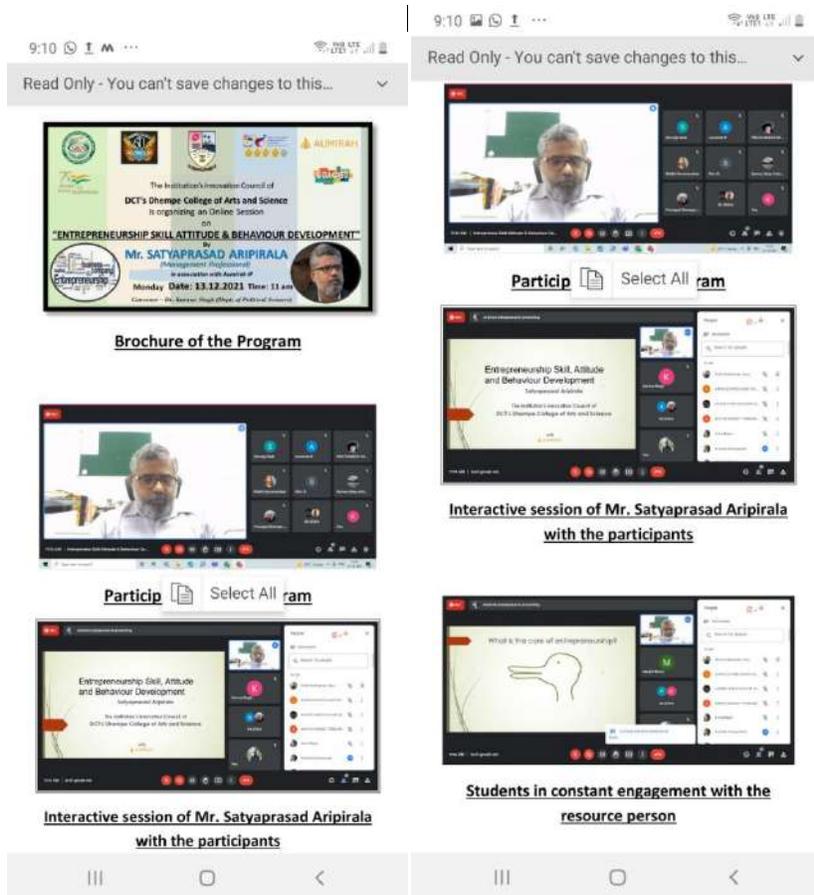
2. Webinar on Entrepreneurship Skill, Attitude and Behaviour Development

A webinar on “Entrepreneurship Skill, Attitude and Behaviour Development” was organised in association with Aumirah IP on 13th December 2021 at 11:00 a.m. Aumirah IP is a full-service IP law firm with offices in India. It provides services related to IP covering **Patent, Trademark, Design and Copyright drafting/filing** and registration. The resource person for the program was Mr. Satyaprasad Aripirala (Management Professional).

The programme was organised by Dr. Karuna Singh. and Mr. Mohit Sukhtankar .

The resource person Mr. Satyaprasad in his presentation covered the core areas of entrepreneurship and dwelled into the important aspects of evolving a dynamic attitude and behaviour towards making an entrepreneurial mind. He discussed in detail, “How an individual can nurture a right mind set and launch his/her start-up?” He stressed on the fact entrepreneurship should not be seen as business solely but rather an opportunity to create a rich legacy for generations to take further.

The total number of participants were 67.



Brochure of the Program

Interactive session of Mr. Satyaprasad Aripirala with the participants

Interactive session of Mr. Satyaprasad Aripirala with the participants

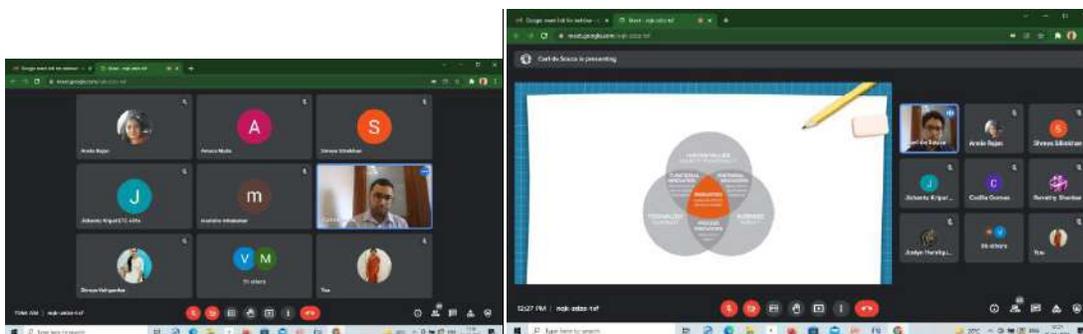
Students in constant engagement with the resource person

3. Report of National Webinar on Design Thinking Innovative Design

A National Webinar on Design Thinking Innovative Design was organised on 1st February 2022 between 11:30 am to 12:45 pm.. It was coordinated by Mrs Deepa M Audi , Dr Bhanudas Naik and Mr Gaurang Bane. The Webinar was held on online Google meet platform(<https://meet.google.com/nqk-zdzz-txf>)

The resource person for the program was Mr. Carl Desouza Proprietor of Schematter CAD Printing Pvt Ltd at Mapusa Goa. The resource person Mr Carl Desouza took over the session where he delivered a presentation covering the core areas of Design Thinking and Innovative Design by citing examples from day to day life. During his presentation he asserted the significance of the role of a Innovation in the future years of the nation.

He sensitised the students about the growing need for promotion of Innovation amongst the young generation. A total of 62 participants attended the webinar.



4. Report of field Exposure Visit to Pre Incubation Unit -- IGNITE

The Institutions Innovation Council organised Field visit to incubation Centre IGNITE on 9th March 2022 co-ordinated by Mr Snehal Harmalkar .

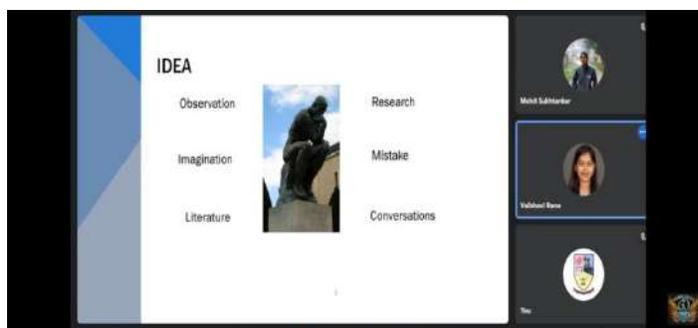
A total of 28 BSc Computer Science students of Dhempe college of Arts and Science visited the incubation centre. The main objective was to have a Field exposure to Pre Incubation and Start up unit at IGNITE.



5. “How to plan for Startup: Legal & Ethical Steps”

An online session on “How to plan for Startup: Legal & Ethical Steps” was organized on 5th April, 2022. The session was streamed on you tube at the link <https://youtu.be/Cbds3582L0>.

The resource person Ms. Vaibhavi Rane, Assistant Professor from GR Kare College of Law, successfully delivered the talk with a detailed presentation regarding the topic. The session was organized with the intention to educate the students about the modalities about starting a startup and the legal aspects around it. She also discussed that many young entrepreneurs with good ideas fail as they are unable to understand the laws, rules and regulations that govern a business.. Mr Mohit Sukhtankar co-ordinated the session.



6. World Earth day

A Session on Biodiversity and Conservation Challenges was organised by Institution's Innovation Council of Dhempe College of Arts and Science on 21st April 2022 between 12:00 noon to 1: 30 pm in Swami Vivekananda hall of Dhempe College.

The session was organized to mark the World Earth day celebrations.

The resource person for the program was Dr Nitin Sawant Assistant Professor and Incharge , Department of Zoology Goa University. The resource person Dr Nitin Sawant highlighted the core areas of Environment sustainability. He also spoke on importance of biodiversity and the need to preserve it. In his presentation he showcased the various efforts taken by Government and environmentalist to conserve biodiversity.

The entire session was an highly interactive . It was coordinated by Mrs Deepa M Audi .



7. World IP day - Session on Intellectual Property Awareness

A Session on Intellectual Property Awareness was organised by Institution's Innovation Council of Dhempe College of Arts and Science in collaboration with Ministry of Education's Innovation Cell, AICTE, Department for Promotion of Industry and Internal Trade and Indian Patent Office Mumbai on 29th April 2022 between 11:00 am to 12: 30 pm in Swami Vivekananda hall of Dhempe College.

The session was organized to mark the World IP day celebrations.

The resource person for the program was Mrs. Sapana Narvariya Assistant Controller for Patents and Design at Indian Patent Office, Government of India. The resource person Mrs Sapna Narvariya highlighted the core areas of Intellectual property, Patent Filing, Copy rights, Design and Geographical Indication by citing examples from day to day life. She clearly explained the various stages in Patent filing right from Idea/ Product generation to Patent filing and approval.

The entire session was an highly interactive . It was actively supported by the faculty members of the Institutions Innovation Council Mr Mohit Sukhtankar and Mr Snehal Harmalkar and other faculty and students from our college and Government College of Arts Science and Commerce Khandola, Marcel Goa. It was coordinated by Mrs Deepa M Audi .

A total of 94 participants including faculty and students of Dhempe College of Arts and Science and Government College of Arts Commerce and Science Khandola Marcel Goa attended the session.



8. Workshop on Business Model Canvas

A workshop on 'Business Model Canvas' was conducted on 14th May, 2022 from 11.00am to 12 Noon in audio- Visual room of the College. This session was open for all the Arts and Science students of the College. The resource person for this session was Ms. Gail Zakarias, who herself happens to be an entrepreneur and a visiting faculty of college. This session provided valuable inputs to the students on step-by-step approach towards preparation of systematic business plan and business model Canvas. Various aspects of Business plans and the pivotal role they play was highlighted in this session. The importance of feasibility studies was also highlighted in this session.

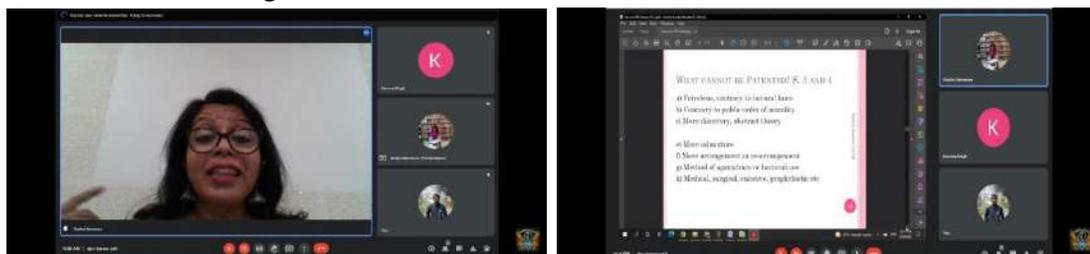


9. A virtual session on Intellectual Property Rights and IP Management for Start-ups

A virtual session on Intellectual Property Rights and IP Management for Start-ups was conducted on 31st may 2022. The session was streamed on YouTube link at the link [:https://youtu.be/3sPQwQXzpkQ](https://youtu.be/3sPQwQXzpkQ)

The session was co-ordinated by IPR Coordinator by Dr. Karuna Singh. The resource person for the program was Adv. Shalini Sitaraman Menezes, Founder and Director of SimSim Advisory Pvt. Ltd.

The resource person Adv. Shalini took over the session where she delivered a presentation covering the core areas of intellectual property for e.g. Patents, Trademarks, Copyrights and the rights revolving around the same. During her presentation she asserted the significance of the role of a strong IPR and how intellectual property rights are an important tool for the IP holder. She contrasted the legislations surrounding intellectual property rights in the United States and India. In the U.S anything under the sun can be patented whereas in India, conditions are applied on what can and cannot be patented. Her session would sensitize students about the growing need for promotion and protection of the intellectual assets- in the form of Patents, Designs & Trademarks and Geographical Indications. Advocate Shalini gave an insight into non-disclosure agreement, material transfer agreement and invention disclosure form.



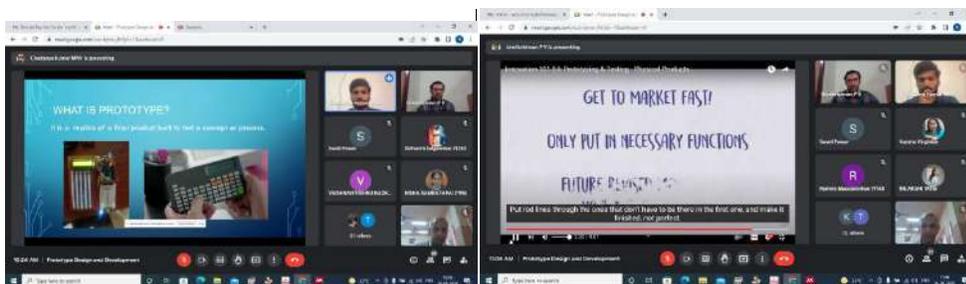
10. Report of Session on Prototype Process Design and Development - Prototyping

A Session on Prototype process Design and Development was organised on 26th May 2022 between 10:00 am to 11: 30 pm in online mode on Google meet platform.

The resource person for the program was Dr P.V Unnikrishnan Entrepreneur Innovationalist and Philantropist and Mr M.N.V Chaitanya Kumar Cofounder and CEO of Dexbotix, Vizag.

The resource person Dr P.V Unnikrishnan highlighted the various aspects of prototype development. Mr M.N.V Chaitanya Kumar in his presentation showcased the need of prototype development. He showed the various prototypes developed by them like calculator, 3D modeling launching system, prototype to detect shuttle racket orientation and shuttle shooting machine. He also mentioned that after Fabrication there is chacking of these prototypes for the consistency of material and improvement in desired properties.

The entire session was an highly interactive. The session was co-ordinated by Dr Swati pawar and Dr Ramu Murthy. A total of 54 participants including faculty and students attended the session.



11. World Environment Day

The Institutions Innovation Council of the college celebrated the World Environment Day between 26th July to 10th August 2022. To mark the celebrations an Essay Competition on Conservation of Forests was organised. The brochure was shared on various social media platforms. There was a good response of 12 participants from Dhempe College of Arts and Science. The competition was co-ordinated by Mrs Deepa M Audi and Dr Bhanudas Naik.

12. World Entrepreneurs Day

The Institutions Innovation Council of the college celebrated the World Entrepreneurship Day between 22nd August to 27th August 2022. To mark the celebrations an online quiz on Entrepreneurship was organised. The brochure with link was shared on various social media platforms. There was an overwhelming response of 102 participants including faculty and students from various colleges across the state including Dhempe College of Arts and Science. An e-certificate was provided to the participants on achieving a score of 50% and above. 90% of the participants obtained maximum score. The quiz was co-ordinated by Mrs Deepa M Audi and Dr Bhanudas Naik.

13. Amrit Mahotsav Celebrations

The Institutions Innovation Council of the college celebrated the Azadi Ka Amrit Mahotsav between 13th August to 17th August 2022. To mark the celebrations the following events were organised

1. Poster competition on the following themes

i Ideas @ 75

ii Resolve @ 75

iii Actions @ 75

iv achievements @ 75

v India's efforts for Fostering Innovation

2. Slogan Competition on Case Studies for Start ups and related to Entrepreneurship



Altogether 15 students participated in the poster competition.

14. Session on “Innovation/Prototype Validation: Converting Innovation into a Start-up”

A session on, “Innovation/Prototype Validation: Converting Innovation into a Start-up. was organized on 26th August, 2022.

The guest speaker for the session was DS Prashant, the CEO of FiiRE Incubator, which specializes in working with budding entrepreneurs to build innovative start-ups and micro-enterprises in Goa.

The speaker started the session with the journey of an entrepreneur in order to create a start-up. He highlighted the various aspects of entrepreneurship and process to launch a start up.

A total of 92 participants including faculty and students of the college attended the session.



15. Session on Innovation & Start up Ecosystem Enablers

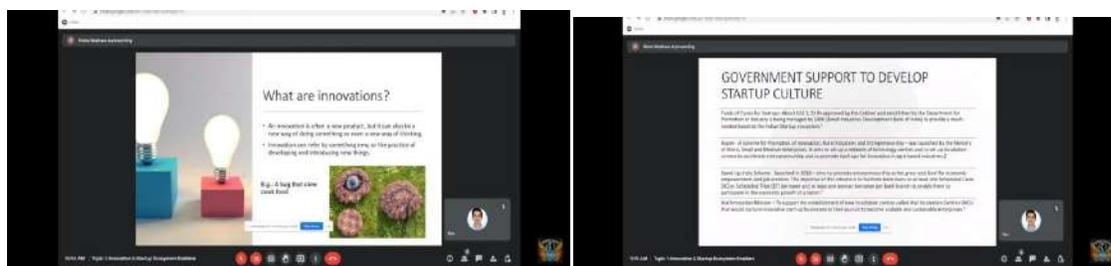
A session on the topic Innovation & Start up ecosystem Enablers was organised on 27th August, 2022. The session was held on online platform and streamed on you tube at the link <https://youtu.be/A2UiHmnvfm>

The session was helmed by Ms. Nisha Wadhwa, Registered Patent Agent, AVP Patents at Aumirah IP The speaker started the session by stressing on the importance of protecting Intellectual Property.

Protection of IP according to the speaker gives you monopoly which is an important factor in early stages of entrepreneurship. It also gives investors monetary benefits for the future, the speaker added.

Ms. Wadhwa also gave the example of an Indian robotics company Genrobotics, which has received praises from all quarters of the world including the PM of India, Shri. Narendra Modi.

The speaker also mentioned that copyrights and patents have to be treated as an asset. With the introduction of Start up India in 2016 and various other efforts of the government, India is now the 3rd largest Start up hub in the world. The session was organised by IIC member Dr. Karuna Singh.



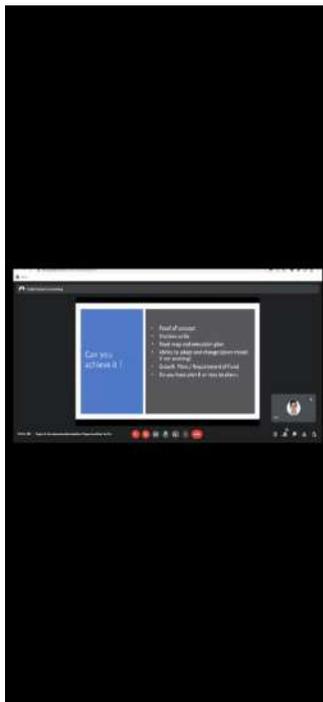
16. Session on Accelerators/Incubation Opportunities for Students

A session on the topic Accelerators/Incubation Opportunities was organized on 27th August 2022. The session was held on online platform and streamed on you tube at the link <https://youtu.be/Oi3ikr9Ae2E>

The session was helmed by Mr. Sudip Faldesai, Project Officer, Goa State Innovation Council at 11:30 am. Mr. Faldesai started the session by explaining the basics of entrepreneurship. Mr. Faldesai enumerated the most important areas an entrepreneur should focus on. He explained the various funding zones which are crucial to build a strong business. The funding zones is something every entrepreneur should be aware of. Mr. Faldesai further explained the various types of capitals the entrepreneurs can seek.

In the final part of the session Mr. Faldesai threw light on what different investors look for when they think of investing in an idea. He mentioned the importance having a good team, good ideas and concepts as these are the areas potential investors focus on.

The importance of proper market research and proof of concept as this will determine the success and failure of a company. Financial feasibility assessment was also mentioned by Mr. Faldesai as another area that young investors should focus on. The session was organised by Mr. Mohit Sukhtankar and Dr. Karuna Singh.



17. Start ups developed and linkage with Innovation Ambassador for mentorship support

A Poster Competition of Start ups developed and linkage with Innovation Ambassador for mentorship support was organized on 19th August 2022 between 10:00 am to 1:00 pm in the college premises.

Dr Shilpa Samant and Mr Edwin Cortez co-ordinated the event. A total of 14 FYBA students participated in the poster competition.

The objective of the activity was to find out the idea of making business by innovating a product. The participants came with a comprehensive knowledge of New Entrepreneurship ideas from various disciplines.

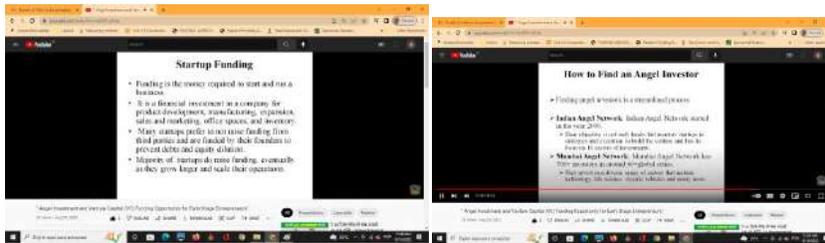


18. "Angel Investment and Venture Capital (VC) Funding Opportunity for Early Stage Entrepreneurs".

A session on "Angel Investment and Venture Capital (VC) Funding Opportunity for Early Stage Entrepreneurs" was organized on 29th August 2022. The resource Person for the session was Dr. Bhanudas R. Naik, Assistant professor, Dhempe College of Arts and Science, Miramar. Goa). In this session, Dr. Bhanudas Naik, delivered the lecture on the topic “**Angel Investment, Venture Capital (VC) Funding Opportunity for Early Stage Entrepreneurs**”. The talk was streamed on YouTube. link: <https://youtu.be/JoDNT-zJC4s>.

Dr. Bhanudas Naik started his lecture explaining the importance of startup funding for the early stage entrepreneurs and what are the capital requirements of startups and Businesses. He also classified different types of startup findings and explained the difference between Angel funding and **Venture Capital (VC)**. In his presentation he included India’s top Startups, VC, Angel investors and also mentioned emerging fields and scope for startups.

He enlightened the audience on the Government of India Startups schemes and SEBI regulations on the Angel and VC funding. He mentioned the general approach for obtaining Angel and VC funding. Dr. Bhanudas Naik listed Countries top Angel Funding networks and VC companies which offer funding. He explained the audience on the social Media route for obtaining the Angel and VC funding.



19. 'Lean start up and minimum viable product boot camp mentoring'

A session on 'Lean start up and minimum viable product boot camp mentoring' on 25th August 2022 .

The resource person for the lecture was Mr. Sameer Shaikh - an alumnus of the College from the Department of Economics who is currently pursuing Masters in Business administration from Goa University, Goa.

Mr. Sameer Shaikh encouraged the students to venture in startups or atleast think innovatively. He explained the concept of lean start up and also told the students to try and think of business ideas.

Mr. Shaikh elaborated on the minimum investment and mentored the students by explaining the process of changing an idea into a startup and establishing a successful business with minimum investment. He also shared some famous success stories of businessmen and entrepreneurs to motivate the students.

He concluded his lecture with inspiring quotes. The session was co-ordinated by Dr. Preethi Pandit and Dr. Chandan Naik.

A total of 30 students attended the session.



Online Repository

1. Online Repository of Business Plan/Prototypes Developed and Way forward plan"

Institution's Innovation Council (IIC) of Dhempe College of Arts and Science, has developed an "Online Repository of Business Plan/Prototypes Developed and Way forward plan" under the guidelines of Innovation cell, Ministry of Education, Government of India on 25th March 2022. The activity was co-ordinated by Dr Bhanudas Naik. Students and faculty members participated in this activity by sharing their innovative idea by filling the Google form.

Google form Link <https://forms.gle/pWy1NRruZzeZyErY8>

The Guidelines for the Guidelines for submitting Business Plan/Prototypes developed and way forward plan was as follows:

The ideas should be at Technological Readiness Level (TRL) - 4 to 7 (refer TRL levels).

TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype).

TRL 5 : Large scale prototype tested in intended environment.

TRL 6 : Prototype system tested in intended environment close to expected performance.

TRL 7: Demonstration system operating in operational environment at pre-commercial scale.

Seven participants shared their Business Plan/Prototypes in the Google form.

2. "Developing Online Repository of Ideas Developed and Way forward plan"

Institution's Innovation Council (IIC) of Dhempe College of Arts and Science, has developed "Online Repository of Ideas Developed and Way forward plan" under the guidelines of Innovation cell, Ministry of Education, Government of India. The activity was co-ordinated by Dr Bhanudas Naik. Students and faculty members participated in this activity by sharing their innovative idea by filling the Google form.

Link: <https://forms.gle/8R3crkpKqHQDLVyU8>

The guidelines for the repository were as follows:

The ideas should be at Technological Readiness Level (TRL) - 0 to 2 (refer TRL levels).

TRL 0 : Idea. Unproven concept, no testing has been performed.

TRL 1 : Basic research. Principles postulated observed but no experimental proof available.

TRL 2 : Technology formulation. Concept and application have been formulated

Twenty participants shared their Innovative Idea in the google form.

3. "Developing Online Repository of Start ups Developed and Way forward plan"

Institution's Innovation Council (IIC) of Dhempe College of Arts and Science, has developed an "Online Repository of Start ups Developed and Way forward plan" under the guidelines of Innovation cell, Ministry of Education, Government of India on 27th August 2022. The activity was co-ordinated by Mrs Deepa M Audi and Mr Gaurang Bane. Students and faculty members participated in this activity by sharing their innovative idea by filling the Google form.

Google form Link <https://forms.gle/pWy1NRruZzeZyErY8>

A total of 32 participants of which two were faculty and 30 were students shared the concept of their Start ups in the Google form.

Impact lecture series

The Institution's Innovation Cell of the college organised the of Impact Lecture Series sponsored by Ministry of Education's Innovation Cell and AICTE.

The first session was held on 24th June, 2022 which comprised of two lectures each of 1 hour 45 minutes duration. The sessions were held through the online platform of Google Meet and streamed on you tube at the link: <https://youtu.be/LObuetS-Bzs>

The first lecture titled "Innovation & Startup Ecosystem" was helmed by Mr. Sudip Faldesai, Project Officer, Goa State Innovation Council from 10:00 am to 11:30 a.m. Mr. Faldesai stressed on the importance and relevance of promoting innovation and nurturing innovators in today's times. He enlightened the attendees about the efforts taken by the Government of Goa and Government of India. The speaker stressed on having original ideas and getting them patented.

Mr. Faldesai enumerated the ways in which GSIC helps innovators to file patents and protect their original ideas. He also stressed on the importance of commercialising the ideas and the support that GSIC provides in pitching the idea to buyers. The biggest challenge to the young innovators according to the speaker is the inability to commercialise the ideas. The GSIC has set up Virtual Innovation Register (VIR) to link the innovators to perspective buyers.

The biggest challenge according to Mr. Faldesai to young innovators is the lack of confidence. To combat this the GSIC has designed "Innovation Test." The test measures aptitude score and innovation quotient and generates a 17-page report through an algorithm that will tell the innovator their strengths and weaknesses. This test also links the results of the test to some courses that the innovator would like to take.

A demonstration on the Prototyping Lab was also given through a video presentation. The video presentation showed all the equipment and facilities available to the innovators.

At the end of the session the speaker was happy to take questions from students and faculty members. He also shared the active Instagram profile which updates about all the activities conducted by the department.

There were 54 participants on Google meet and 56 viewers on you tube.

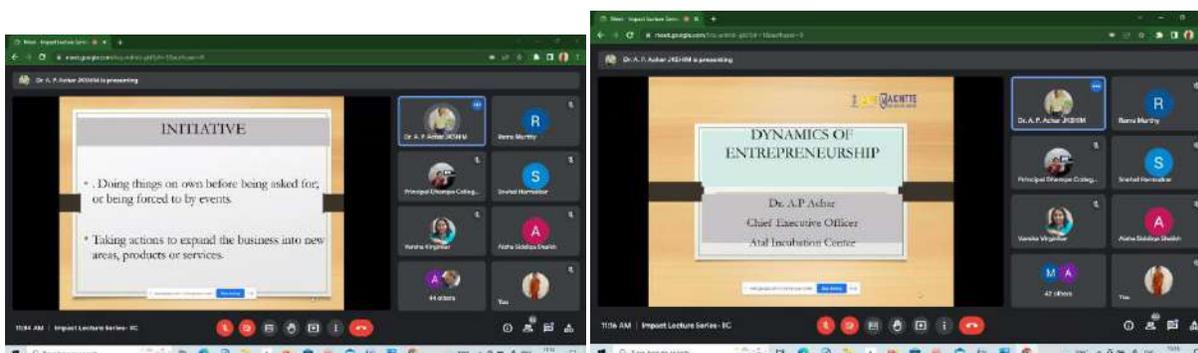


The second lecture of the Impact Lecture Series was helmed by Dr. Anantha Padhmanabha Achar, CEO, AIC NITTE, Incubation Centre. The session titled “Entrepreneurship Skill & Behaviour” began at 11:30 am.

The speaker highlighted important aspects of entrepreneurial competency. The speaker gave many anecdotes of successful entrepreneurs to motivate the listeners. The speaker then gave detailed presentation on a very important tasks every entrepreneur must focus on.

The detailed presentation gave stress on important steps like Planning, Problem Solving, Efficiency, Concern for High Quality of Work, Assertiveness and spent a lot of time on every point. Many anecdotes were given about great entrepreneurs and their experiences.

There were 54 participants on Google meet and 40 viewers on you tube.



The Session – II of Impact lecture Series was held on 26th July 2022 between 11:00 am to 2:15 pm. The lecture series constituted two sessions each of 1 hour 45 minutes duration. The session was held on Google meet platform and streamed on you tube at the link: <https://youtu.be/Cbz1NO-DPRk>.

The resource p[erson for the first lecture was Mrs. Sapna Narvariya, who spoke on Intellectual property rights and Patent filling,

Mrs Sapna Narvariya in her lecture explained the process of online patent filling from <https://www.ipflair.com/> web page and different forms and Performa's to be filled. In her presentation she presented a detailed flowchart of patent application processing from application of patent to allotment of patent to the examiner and Grant or refusal of patent.

Madam Sapna Narvariya explained the significance of trademarks of the products, copyrights and Design of articles.

There were 50 participants on Google meet and 40 viewers on you tube.



The second lecture was helmed by Dr. Nandakumar Chodankar, CEO of A solution Pharmaceuticals Pvt. Ltd. delivered the lecture on the topic “Innovation in Research and Development.

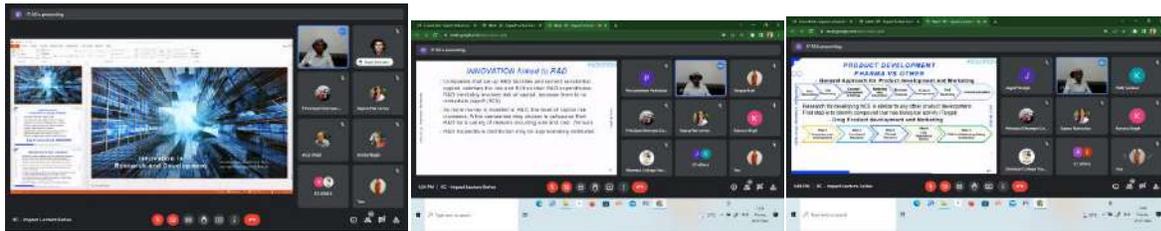
Dr. Nandakumar Chodankar stressed on the importance of Invention creativity and Innovation. He enlightened the audience on the expenditure companies incur cost on research and development of new products. He mentioned the general approach of process of product development and marketing in Pharma companies.

He presented the detailed regulatory drug approval process form preclinical research to clinical studies, where he discussed how drug undergo studies from phase-1 to phase-4 until the drug is introduced in market.

He spoke about the present grim conditions of R&D spending in the country and stressed on the importance of promotion of innovation and start-up. Dr. Nandakumar Chodankar gave directions for the new areas for Innovative R&D one needs to think, such as Artificial Intelligence, Augmented reality, Virtual reality and AR/VR Technology areas.

He motivated the youth to take risks and take up innovation though hard work and dedication. He concluded his lecture giving the information regarding the seven fundamentals for success.

There were 55 participants on Google meet and 38 on you tube.



The organising team for the Impact lecture Series comprised of the following members Prof. Vrinda Borker (Principal) Mrs. Deepa Audi (IIC President, Organising Secretary), Dr. Ramu Murthy (Convener and Co-ordinator), Dr. Bhanudas Naik, Mr. Mohit Sukhtankar, Mr. Snehal Harmalkar, Dr. Chandan Naik & Mr. Gaurang Bane (Members).

DA

Mrs Deepa M Audi

IIC President