

**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 2020-2021

## **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.

## Report of Institution's Innovation Council for the Academic Year 2020-2021

Our College Institution's Innovation Council has received a 4 star rating from MHRD for the Academic year 2019-2020.



The College also received Establishment Certificate from MHRD for establishing Institutions Innovation Council at Dhempe College as per the norms of Innovation Cell, Ministry of HRD, Government of India.



The Institution's Innovation Council has conducted several activities and also encouraged the various departments to organise activities related to innovation, entrepreneurship, and product design.

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:

<b>Name of the Members</b>	<b>Key Role/ Position assigned in IIC</b>
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. Karuna Singh	IPR activity Co-ordinator
Dr. Chandan Naik	Start-up activity coordinator
Dr. Swati Pawar	NIRF Coordinator
Dr. Manjunath Nayak	ARIIA coordinator
Mr. Mohit Suktankar	Social media coordinator
Dr. Shilpa Samant	Internship coordinator
Dr. Preethi Pandit	Innovation activity coordinator
Dr. Miskil S. Naik	Member
Dr. Ashish V. Prabhugaonkar	Innovation Ambassador
Dr.Purnima Ghadi	Member

#### **List of Student Members**

<b>Name of the Members</b>	<b>Key Role/ Position assigned in IIC</b>
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	Student Member
Mr. Harshal Santosh Gosawi	Student Member
Mr. Anand Raj	Student Member
Mr Amey Sawant	Student Member
Mr Vishwesh Govekar	Student Member

## Quarter I & II

(From September to December 2020)

### I International Symposium

An Online International Symposium titled “Material Science and Innovation for Sustainable Society” on 26<sup>th</sup> and 27<sup>th</sup> August, 2020 was organised by Meijo University in collaboration with Dhempe College of Arts and Science under Cluster of Colleges for Research in Chemistry Goa . Professor Akira Yoshino, Nobel Laureate in Chemistry (2019), distinguished Professor from Meijo University Japan was the keynote speaker.

There were 16 paper presentations, 315 participants registered for the symposium while total number of You-tube streaming viewers were more than 923.



### II State level Webinar

A webinar series titled “The Business Brains” was organized on 25<sup>th</sup> & 26<sup>th</sup> September, 2020 on Google meet platform with the aim to motivate “Entrepreneurship” among the students. The

resource persons for the webinar were Mr.Sanjeev Sardesai and Mr.Smitesh Talawadekar.



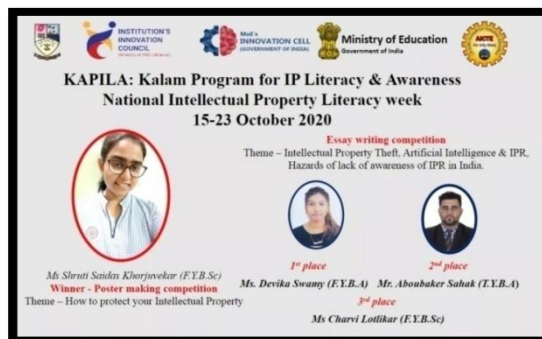
More than 250 participants from 12 different institutes of Goa and Maharashtra attended the webinar. The webinar was co-ordinated by Mrs Deepa M Audi and Dr Manoj Ibrampurkar.

### III. National event: KAPILA

The National event KAPILA program was celebrated to commemorate the birth anniversary of former President Dr A.P.J Abdul Kalam between 15<sup>th</sup> to 23<sup>rd</sup> of October 2020.

An online poster competition was organised on the theme 'How to protect your Intellectual Property Rights' Ms Shruti Khorjuvekar of FYBSc won the first place. An essay competition was also organised on the theme Intellectual Property Theft, Artificial Intelligence & IPR, Hazards of lack of awareness of IPR in India. Ms. Devika Swamy of FYBA won the first place who in her essay enumerated the various issues concerning the threat of theft of Intellectual property in various fields. The second place was won by Mr. Aboubaker Sahak of TYBA who illustrated the complex relationship between Artificial Intelligence and IPR. The third place was awarded to Ms Charvi Lotlikar of FYBSc who put forth in her essay the status of IPR in India.

The event was co-ordinated by Mr Mohit Sukhtankar



#### IV MeWo Collaboration—Entrepreneurship Drive

In view of collaborating with Dhempe College Mr. Abrar Shaikh- cofounder of MeWo, addressed the faculty members of the College on 16<sup>th</sup> October 2020. He narrated his journey of entrepreneurship and explained the initiative of MeWo in forming a start-up venture .

Mr. Abrar Shaikh of MeWo conducted a session for the students who were interested in starting their own business/ entrepreneur journey on 23<sup>rd</sup> October 2020.

The students presented their ideas and concepts for a start-up which were discussed and appreciated by Mr. Abrar Shaikh.



#### V EDC Ignite --- Industrial Visit

A visit to EDC Ignite was organized on 30th November 2020 by Dr Chandan Naik and Mr Mohit Sukhtanker. They were accompanied by students Mr Rohit Yerunkar and Mr Dwayne Nazareth.



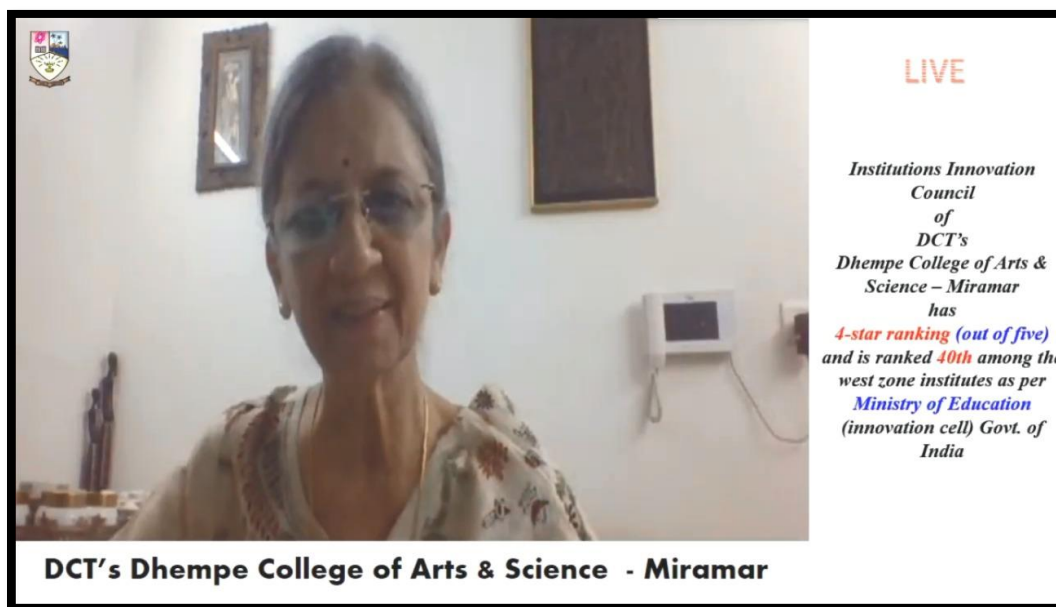


## VI National Webinar “NEP-2020 Higher Education (Planning for implementation)”

A National level webinar “NEP-2020 Higher Education (Planning for implementation)” was organised on 9<sup>th</sup> December 2020 on Google meet platform. Professor Vasudha Kamat, Member, National Education Policy Draft Committee, (Former Vice Chancellor, SNDT Women’s University) was invited as resource person to share valuable information on implementation of NEP programme.

She also emphasized that NEP focuses on the research and innovations which is one of the important felicitators of Atmanirbhar Bharat. It will help in bringing about coordination in interdisciplinary research Prof. Kamat also replied to the questions raised by the participants. Around 200 participants took the benefit of the webinar.

The webinar was organised by Principal Professor Vrinda Borker Mrs Deepa M Audi and Dr Miskil Naik .



### Council meetings

A council meeting for quarter I was held on 22<sup>nd</sup> October 2020 between 11 a.m to 12 noon. Due to the ongoing pandemic the meeting of IIC council was held in online mode on Google meet platform.

An IIC council meeting for second quarter was held on 29<sup>th</sup> December 2020 between 11 a.m to 12 noon on Google meet platform.

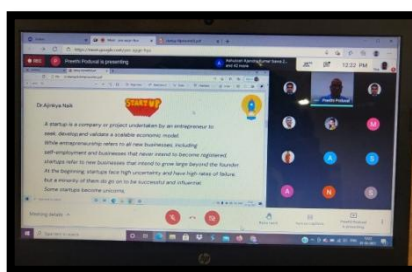


## Quarter III

( From January 2021 to March 2021)

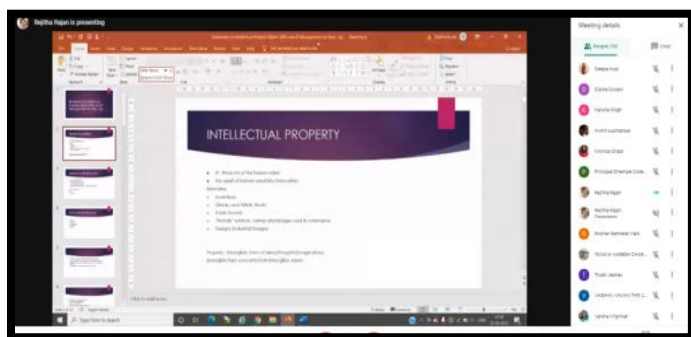
### I) National Webinar on "How to plan for Start-up and legal & Ethical Steps"

A National Webinar on "How to plan for Start-up and legal & Ethical Steps" was organised on 1<sup>st</sup> March 2021 on Google meet platform . The resource person was Dr. Ajinkya Naik Founder of 'Project Alphasafe' (a healthcare based safety monitoring service), member of advisory panel: [medicoquest.com](http://medicoquest.com) (a medical inventory & patient CRM start-up) and a Co-founder of [ekamika.xyz](http://ekamika.xyz) (cosmetic dentistry image simulation service). Dr. Ajinkya Naik introduced the concept of start-up and addressed to the common problems faced in a start-up venture. The Webinar proved to be successful witnessing 250 registered participants. The webinar was co-ordinated by Dr Manoj Ibrampurkar and Dr Preethi Pandit.



### II) Webinar on Intellectual Property Rights and IP management for start up

A webinar on “Intellectual Property Rights and IP management for start-up” was organised on 15<sup>th</sup> March 2021 on Google meet platform. The resource person for the program was Advocate Rejitha Rajan (LLB, LLM -IPR, PGDGC; IP attorney and Registered patent agent, visiting Faculty). The speaker gave an overview of intellectual property rights, trademark, copyrights, patenting procedures and laws. The total number of registered participants were 51. The webinar was co-ordinated by Dr. Karuna Singh, Dr. Preethi Pandit and Mr. Mohit Sukhtankar.



### **III) Workshop on Prototyping/product design in 3D printing**

One day workshop “ Workshop on Prototyping/product design in 3D printing” was organised on 5<sup>th</sup> March 2021 from 10:30 am to 5:00 pm in A.V room of the college. The resource person for the workshop were Mr Carl de souza, Proprieter of Schematter CAD and printing (OPC) Pvt Ltd and his associate Ms. Gieselle Alphonso. Mr Carl de souza delivered a session on Tinkers CAD and fusion 360. Ms. Gieselle Alphonso delivered a session on design, product design and CAD design. Mr Carl desouza spoke about the various features of CAD and fusion 360. The workshop was highly interactive, the students were made to download Fusion 360 on their laptop and make various 3D designs using it. Ms. Gieselle Alphonso demonstrated the working of 3D printer to the students.

The webinar was co-ordinated by Mrs Deepa M Audi , Dr Chandan Naik and Mr Gaurang Bane.



### **IV) National level workshop on “Business Canvas Model”**

A National level workshop “Business Model Canvas” was organised on 25<sup>th</sup> March 2021 on Google meet platform. The resource person for the workshop was Mr Suraj Bhatgaonkar Director at Filamantra Optocontrols Pvt Ltd.

Mr Bhatgaonkar introduced the concept of Canvas model to the participants and briefed them about his start up Filamantra Optocontrols, basic functioning and Innovative ways adopted by their enterprise in unique ways of lighting service. He also mentioned Filamantra Optocontrols caters to provide lightning and smart control solution to architects, interior designers with a mission of not to leave people in dark and offer artistic solutions pleasing to eye and wallot.

Altogether 42 participants joined the online session of the workshop.

The workshop was co-ordinated by Mrs. Deepa M Audi, Miss Monica Ghadi, Dr. Preethi Pandit and Mr Gaurang Bane .



### **V) Orientation Session by Innovation Ambassador of College**

A one day Orientation session for all the students and the faculties of the Institute was held by the Innovation ambassador of the institute Dr. Manjunath T. Nayak. Around 43 students participated in this session. Dr. Manjunath Nayak briefed the participants about the concept of Institutions Innovation Council and its benefits to the institute and the students. He stressed more in explaining the concepts of start-ups and what was meant by proto-typing. Also, briefed about the market research and strategies for any start-ups. The session was conducted in an online mode and Dr. Manjunath Nayak streamed the pre-recorded video on YouTube (<https://youtu.be/xdpMyN719I0>) platform on 26th March 2021 at sharp 12 noon. Participants at the end of the session were made to answer the few questions based on the session and were awarded the participation certificate on achieving at least 60% score.

### **VI Webinar on “My story of Innovation”**

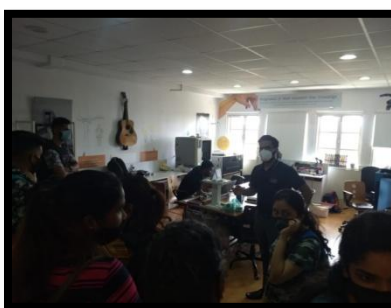
A webinar on “My story of Innovation” was organised on 24<sup>th</sup> March 2021 on Google meet platform. Mr Soham Naik, S.Y.B.Sc Biotechnology student of Dhempe College of Arts & Science was the resource person for the session. He spoke about his journey from student to an entrepreneur. Thus inspiring and motivating the student participants. The total number of registered participants were 72.

The webinar was co-ordinated by Dr.Purnima Ghadi, Dr. Aashish Prabhugaonkar, Dr. Alisha Fernandes and Dr Preethi Pandit.



## VII ) Visit to Incubation Centre

A visit to 'Centre for Incubation and Business Acceleration(CIBA), Verna, Goa' was held on Friday, 26<sup>th</sup> March 2021. Eighteen students of T.Y.B.Sc .Botany along with three faculty members of Department of Botany visited the site. The visit was aimed at the IIC-Dhempe college program agenda of 'Field exposure visit to incubation unit/ co-working spaces' to expose students to entrepreneurship avenues being developed in the country. In this visit students got introduced to role of Incubation centre in Business model development. After arrival at the centre at 11 am students were given a summary of working of CIBA by Director of centre Shri Sanjeev Mulvi, followed by short discussion on Business model development and the role CIBA. The students discussed the application of Business model canvas for their third year research project. Later the students visited bench top working facility at centre, 3-D printing facility (a start up at centre) and also got introduced to various incubators at the centre. The session provided new dimension to the students research projects and also generated interest in taking up steps in entrepreneurship.



### VIII) Innovative Business Model / Prototype Competition

A competition on “Business Plan/ Prototype Competition” was organised Mrs. Deepa M Audi and Dr. Preethi Pandit on 16.03.2021 at 12:00 pm in the College. The competition were judged by Ms. Manisha Mhalsekar and Ms. Sarika Sutar from the Department of Chemistry. Mr. Soham Naik a student of S.Y B.Sc. Biotechnology presented the prototype on ‘Svastha’ a computation used for solving certain problems in biology and Ms. Chrysilla Vaz a student of S.Y B.Sc. Biotechnology (entry) presented her business prototype on ‘Chryscochet- Handmade with love’ work.

The first place was won by Ms. Chrysilla Vaz followed by the second place won by Mr. Soham Naik. The session ended at 1 pm.



### Council Meeting

A council meeting of Institution's Innovation Council was held on 30<sup>th</sup> March 2021 between 12:30pm and 1:00 pm on Google meet platform .



## Quarter IV

( From April 2021 to July 2021)

### I) Session on Prototype Validation

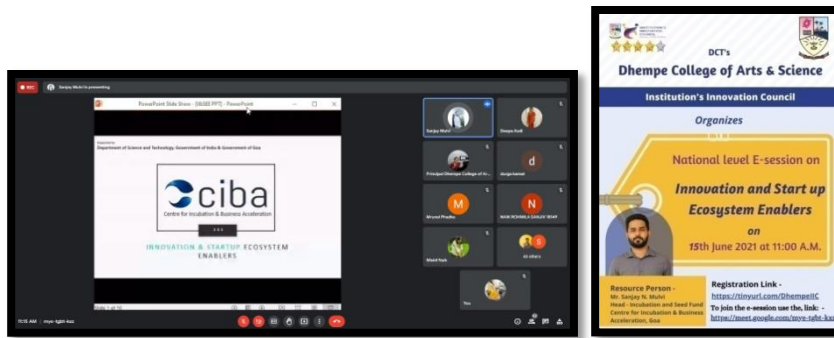
A webinar on 'Prototype Validation and & Converting Prototypes' was organised on 29<sup>th</sup> May 2021 Google meet Platform. Mr. Carl de Souza, Founder Director SCHE Matter CAD and Printing (OPC) PVT. Ltd along and his business associate Ms. Royliza Morais, Business Development Manager at SCHE Matter were the resource persons for the webinar. They spoke about the stages of Prototyping, 3D printing, innovation in prototyping, Model designing, funding for prototyping. Mr Carl deSouza motivated the students and encouraged them to design their own prototype. The webinar was co-ordinated by Mrs Deepa M Audi and Dr. Preethi Pandit.

The number of participants for the webinar were 40.



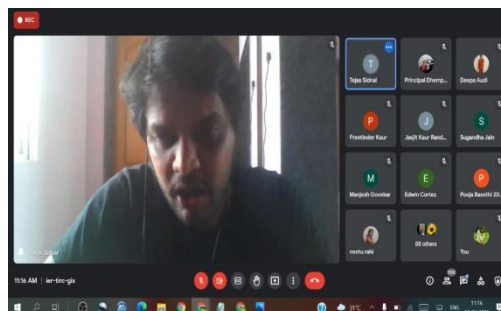
### II) National Webinar on Innovation and Start up Ecosystem Enablers

A webinar on 'National Webinar on Innovation and Start up Ecosystem Enablers' was organised on 15<sup>th</sup> June 2021 on Google meet Platform. Mr. Sanjay Mulvi, Head Seed Fund & Incubation at Centre for Incubation and Business Acceleration was the resource person for the webinar. He spoke about the various aspects of Start up, Innovation and Ecosystem Enablers. He motivated the students and encouraged them to design their own prototypes and informed them about various schemes introduced by government in promoting start ups. The number of participants for the Webinar were 54.



### III) Building an Innovative start up-Upcycling Carbon”

A National Level webinar “Building an innovative start up-Upcycling Carbon” was organised on 24<sup>th</sup> June 2021 on Google meet platform. Mr. Tejas Sidnal an Architect, Biomimetic Designer, Researcher from Mumbai was invited as resource person. Mr.Sidnal spoke on his start up Carbon Craft. Carbon Craft Tile - a first of its kind made using upcycled carbon - that aims to prevent carbon emissions at scale through conventional building elements. The webinar was co-ordinated by Dr Miskil Naik.



### IV) National Webinar on Careers in Photography and Content Creation

A National webinar on “Careers in Photography and Content Creation” was organised on 29<sup>th</sup> June 2021 on Google meet Platform . Mr Naresh Shetti, founder of Lighterature Production was the resource person for the webinar.

He spoke about the various aspects regarding careers in photography and content creation.. The number of participants for the Webinar were 74. The webinar was co-ordinated by Dr. Ramu Murthy and Dr. Swati Pawar.

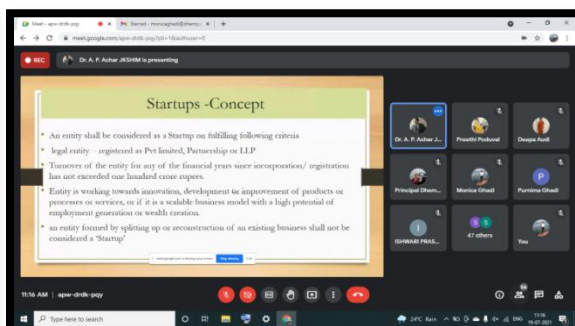
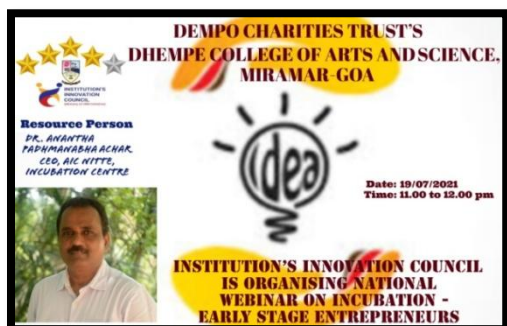




## V) Webinar on Early Stage Entrepreneurs

A National webinar ‘accelerators/incubation – opportunities for students & faculty – early stage entrepreneurs’ was organised on 19<sup>th</sup> July 2021 on Google meet Platform. Dr. Anantha Padhmanabha Achar, CEO, AIC Nitte, Incubation Centre, Head centre for Small Business Management, Chairman of Placement committee and student welfare officer was the resource person of the webinar. His areas of specialisation in teaching are Human Resource Management and Entrepreneurship. The resource person, initially spoke about the Incubation Model and explained the 5 phases of the incubation Model. Dr. Achar spoke about the startups concept and also explained about the steps involved in starting of a startup. He motivated the students and encouraged them to take steps in initiative ways to join the startup. The number of participants for the webinar were 61.

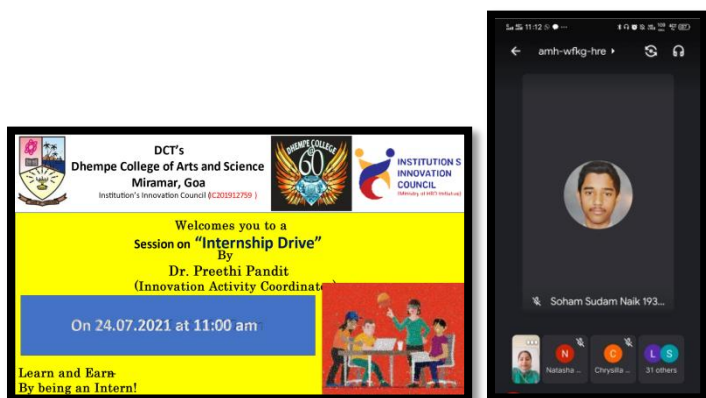
The webinar was co-ordinated by Mrs Deepa M Audi, Miss Dipika Gosavi and Miss Monica Ghadi.



## VI) Internship Awareness Drive

An e-session ‘Internship awareness’ was organised by the Institution’s Innovation Council on 24<sup>th</sup> July 2021 on Google meet platform. The Principal, Prof. Vrinda Borker motivated the students regarding internships and encouraged them to participate in internship programs to be employable after graduation. The speaker, Dr. Preethi Pandit was the speaker for the session. She introduced the concept and importance of an internship program and explained about the different options available for internship, such as paid, unpaid, virtual internships. The speaker familiarised the students with the TULIP Portal of AICTE, so that students could explore the

internship opportunities offered by the IIC. Finally, additional internship offering online and offline options were also explained to the students. The session ended at 12:00pm. The total number of participants were 33. The session was co-ordinated by Dr. Preethi Pandit.



## VII) Orientation Session by Innovation Ambassador of College

A one day Orientation session for all the students and the faculties of the Institute was held on 21st June 2021. The session was delivered by the Innovation Ambassador of the institute Dr. Manjunath T. Nayak. The focus of the talk was “Awareness about Start-up and related Ecosystem”. 40 students attended this session along with 4 faculty members. Dr. Manjunath Nayak briefed the participants about the concept of startups and also made aware to the students and the faculty as to how Institutions Innovation Council can help them to arrange the seed fund for their startups. The session was streamed as his prerecorded video to the participants ( The video is available on following link <https://youtu.be/cYIOuQTpSgI>). The session was co-ordinated by Dr Manjunath Nayak and Mr. Mohit Sukhtankar.

### **MoE's Innovation Cell (MIC) ACTIVITIES**

The Institutions Innovation Council members and faculty from College attended the following MIC activities organized by MHRD.

1. "From your PHD/ Master's thesis to start ups " was attended by the 11 faculty members of the college via Youtube on 23<sup>rd</sup> April 2021 at 11 a.m
2. "Why IP is important in academia?" was attended by the 15 faculty members of the college on 26th April 2021 from 03:00 to 04:00 PM via Youtube to celebrate world IP Day.
3. "National Webinar on Research Innovation and Ranking" was attended by the 03 faculty members of the college via You tube on 11<sup>th</sup> August 2021 as a part of one-year celebration of National Educational Policy 2020.

### **Innovation Ambassador Training Programme**

1. Dr Ashish Prabhugaonkar and Mr Mohit Sukhtankar successfully completed the first phase Innovation Ambassador training programme in June 2021.
2. Dr. Manjunath Nayak successfully completed the second phase Innovation Ambassador training programme in June 2021.

### **National Innovation and Start up Policy (NISP)**

Dr Chandan Naik was nominated by college for the NISP training programme and he successfully completed the training in July 2021.

### **Awardees :**

Mr Soham Naik student of SYBSc participated in the Intercollegiate online event "Festival of Innovation" organised by St Xavier's College and won the first place.

Mrs Deepa M Audi

IIC President

Prof. Vrinda Borker

Principal

