



SRI KRISHNADEVARAYA EDUCATIONAL TRUST
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC)
Krishnadevarayanagar,
Off International Airport Road, Hunasamaranahalli, Bengaluru – 562 157

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



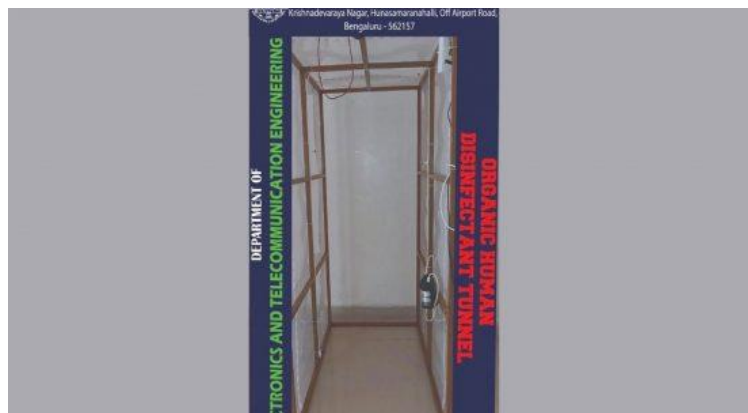
The Team “**Electrimo 2.0**” has bagged **Ten** awards, The Overall Champions Award, Dronacharaya Award-Best Faculty Advisor, Safety Award, Social Media Award, Innovation Winner, Design & CAE Award, Cost/Business Plan Award, Best Driver Award and Skid Pad Award Autocross Award at the **Auto India Racing Championship (AIRC)- Season-6**, held at Ajeenkya D. Y Patil University, Pune, during 25th – 28th May, 2023.



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Four Indian teams the big winners in virtual Shell Eco-Marathon Asia contest. The team INFERNO won 3000 US dollars in SHELL ECP MARATHON(SEM)-2020 at Kaulalampur, Malaysia.



In support of PM's vision "Building Aatma Nirbhar Bharath" and "Vocal for Local", a team consisting of faculty members Dr.M.S DivyaRani, T.K Padmagayathri, and Sreelakshmi.T and students Vivek Chowdary, Yuvaraj, Nischal and Vurchus Nagesh of 7 th sem from Dept. of ETE developed a Low cost "Organic Human Disinfectant Tunnel "



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Team Electrino Won Best team spirit award and Overall Appreciation award @ National E – Kart championship (NEKC) , Bhopal during 2nd to 5th March 2020



Dr.Mahesh K, Professor, Dept. of EEE won Dronacharya award @ National E – Kart championship (NEKC) , Bhopal during 2nd to 5th March 2020



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The Team Excelsior consisting of **Vipul Gaurav, Vishal V, Tushar Sharma and Susmit Agarwal** under the mentorship of **Dr. Savita Choudhary** of the Department of Computer Sciences and Engineering won the **First Prize** at **National Convention of the AICTE Awards 2019** in **Water** category held at **AICTE Headquarters, Vasant Kunj, New Delhi** on February 23-24, 2020.



Mr. Suraj Shiv Kumar (TCE, IV Year) receiving “**AEGIS GRAHAM BELL AWARD**” for the National level Talent Hunt competition from **Hon’ble Union Minister for Road Transport and Highways Nitin Gadkari** at New Delhi on 27.2.2020.



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Ms. Swadi (CSE , IV Year) receiving “**AEGIS GRAHAM BELL AWARD**” for the National level Talent Hunt competition from **Hon’ble Union Minister for Road Transport and Highways Nitin Gadkari** at New Delhi on 27.2.2020.



Shiv Varun (Mechanical Branch), winner of 1st prize in ‘**DRDO DARE TO DREAM**’ competition, receiving award from Defence Minister, Sri Rajanath Singh.



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DST & Texas Instrument Inc. India Innovation Challenge Design Contest – 2017

Mr. Shiv Varun (ME), Revant. D (ECE) & Aman Sinha (EEE) received a Cash Award of Rs.3,50,000 (10-08-2018) and Rs. 10 Lakhs for SIRMVIT Awarded by IIGP – 2.0. (02-08-2018)



SMART INDIA HACKATHON 2019 HELD AT CALICUT ON 2nd and 3rd March'2019.

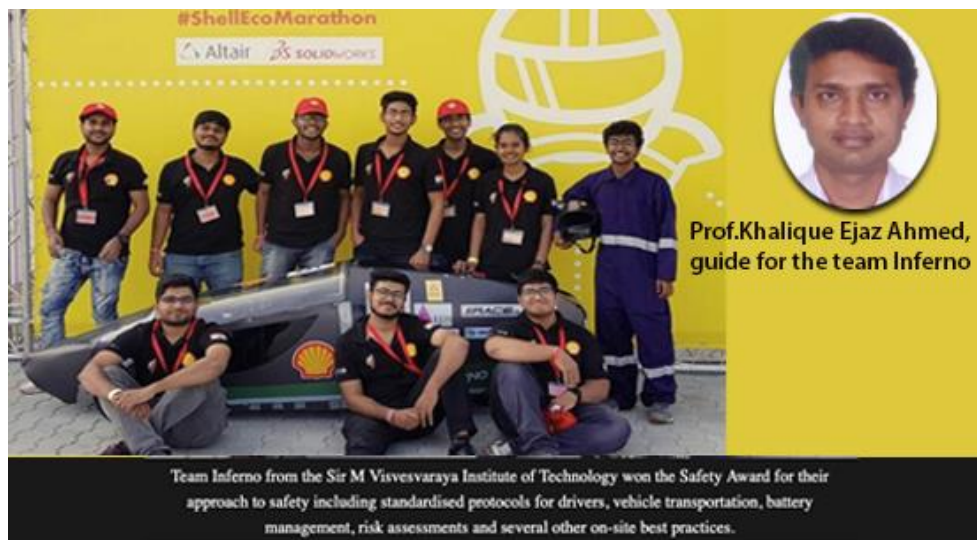
(L-R) Mr. Shubham Kumar, Mr. Pritish Raj, Ms. Dhanalakshmi, Mr. Saket Saurav, Mr. Vipul Gaurav with Principal, HOD and Faculty Supervisor. The research idea, “Shared Rooftop Rainwater Harvesting” of Mr. Shubham Kumar, Mr. Pritish Raj, Ms. Dhanalakshmi, Mr. Saket Saurav, and Mr. Vipul Gaurav of CSE branch won 1 st prize (Rs 75,000) in Smart India Hackathon, March 2019



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Project Gannet – Amphibious Drone (Under Water Drone), selected for display at **Student Pavilion in Aero Show-2019**, at Airforce Station – Yelahanka (20-24'Feb'2019). Selected as one of the 5 top teams among 156 proposals from 56 top institutions including IITs/NITs & Deemed Universities. Won First Prize with Cash Award of Rs.2 Lakhs.



Four Indian teams the big winners in virtual Shell Eco-Marathon Asia contest. The team INFERNO won 3000 US dollars in SHELL ECP MARATHON(SEM)-2020 at Kaulalampur, Malaysia.



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Shiva Varun Singh Rajput of Mechanical Engineering at 41st Directors' Conference, 15-16, October 2019, DRDO Bhawan, New Delhi. Team **"GANNET - The Amphibious UAV"** was invited to exhibit the product on the occasion of Indian Navy Day during 3 - 5, December 2019. On the auspicious occasion, our Defence Minister, Mr. Rajnath Singh visited the exhibition area and appreciated the work. Team **"GANNET - The Amphibious Drone"** were judged **FIRST** in Individual Category for the challenge areas **Swarm of Micro UAVs** in Dare to Dream DRDO Innovation Contest 2019 and received a **Cash Award of Rs. 5.00 Lakh**.



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Electrifying the Future:

Team INFERNO's prototype car sent out a strong message on the importance of using clean fuels and renewable energy sources in an eco-marathon competition held in Bengaluru during December 2019.



Team INFERNO participated in Shell Eco Marathon India 2018, held at Madras Motor Track, Chennai, Tamil Nadu, during 6-9 December 2018. The team participated under battery electric category event and achieved a mileage of 112.3 kms/kWh, ranked 3rd in India.



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The Team **“GANNET – The Amphibious Drone”** got selected to display the prototype model at prestigious Aero India 2019, Student Pavilion Competition. The competition had received 125 proposals from 56 institutions all over the country - IITs, NITs, Deemed Universities and many other well known institutions from government and private sector. The team **“GANNET – The Amphibious**

Drone” received **First Prize Winner Award with a cash prize of Rs. 2.00 Lakh** among top 6 teams selected all over India.

The **“GANNET – Underwater and Airborne Autonomous Vehicle”** selected as one of the University Challenge winners of the DST – Lockheed Martin – Tata Trusts India Innovation Growth Programme (IIGP) 2.0 for 2018. The awards ceremony which is held on **2nd August 2018** in **New Delhi @ Hotel Taj Mahal**. The Team Gannet **Received Grant - in - Aid of Rs 10.00 Lakh.**





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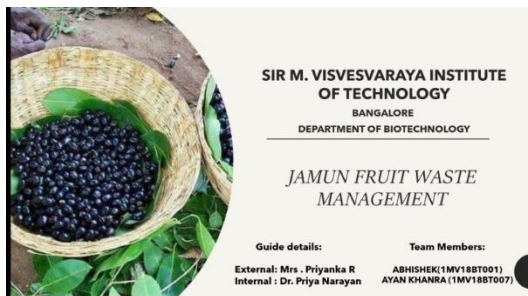
Team GANNET participated in “**The India Innovation Challenge Design Contest (IICDC)**” launched by Texas Instruments India in association with the Department of Science And Technology (DST) and anchored by Indian Institute of Management (IIM) Bangalore, with more than 15380 students from 965 engineering colleges entering the contest across all the states in India. The team was placed as First Runner Up Award with cash award of **Rs 3.5 Lakh @ IICDC 2017 – FINALS** held at IIMB@NSRCEL on Aug 10th, 2018.



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ANVESHANA

Mr. Ayan and Mr. Abhishek won the Anveshana – Science and Engineering Project competition and were placed fifth with a cash prize of 5000/-



Mr. Rahul Maccharaja (1MV16BT026) won the cash award of Rs.10,000/= at the Voice of BT Debate Competition at VIT, Vellore during December 2019



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EXHIBITS AT ANVESHNA



UTILIZATION OF EGG SHELL WASTE –HITHA



DETECTION OF UREA IN MILK
ADITHYA SATHISH and JEEVAN PRANAY



POTENTIALS OF TURMERIC LEAF EXTRACT
CHATURHY and TRISHA (Consolation Prize)

Santosh Yadav And Amish Noah,
First Prize At Anveshana 2018
For Designer Eggs



Sneha And Shambhawi Of 8th
Semester Received Consolation
Prize Of Rs 5000 In Anveshana
2019 Science Exhibition.

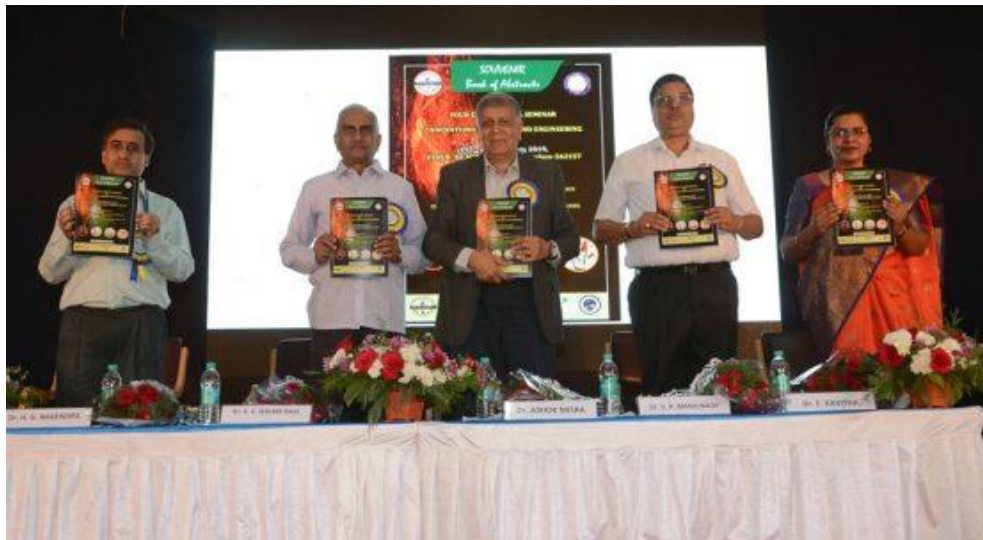


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**Ms.Preksha And Ms.Yashika Won The
Second Prize (Rs. 25,000) At Anveshana
2020, For Biscuits From Mucuna**

EVENTS CONDUCTED TO FOSTER RESEARCH CULTURE



Dr. Nagendra, Sri Sekhar Raju, Dr. Ashok Mishra, Dr. V.R Manjunath and Dr. Kavitha releasing the Souvenir during the Inauguration of Four Day National Seminar on **“Innovations in Science and Engineering”**, 25-28 February 2019



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Valedictory Ceremony of Four Day National Seminar on **“Innovations in Science and Engineering”**, 25-28 February 2019



Inauguration of the First In-house R & D Symposium on 11 May 2018, by the **Chief Guest** Dr. Dinesh from IISc, Bangalore, and other dignitaries



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Principal, Sir MVIT Dr. V R Manjunath presenting a memento to the **Chief Guest** Dr. Dinesh, IISc During the Inauguration function of the First In-house R & D Symposium on 11 May 2018.



Dr. Dinesh from IISc, Bangalore reviewing the students projects as part of the In-house R & D Symposium held on 11/5/2018



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Dr. Jagannath Das from ISRO (resource person of the In-house R & D Symposium held on 11/5/2018) being welcomed by the Research Committee Coordinator, Dr. H G Nagendra



Mr. KVR Prasad, faculty from Civil Engineering Department, sharing his views on the day-long activities of the In-house R & D Symposium held on 11/5/2018



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Dr. Kavitha E HOD of Telecommunication Engineering Department being Thanked by Dr. Manjula, HOD, MCA further to the presentation by former during the In-house R & D Symposium held on 11/5/2018



Distribution of Certificates and Cash Awards to the Winners of Best Projects by Principal, Sir MVIT, during the Valedictory Session of the In-house R & D Symposium held on 11/5/2018



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Inauguration of the Second In-house R & D Symposium on 15 September 2018, by the Chief Guest Dr. Jharna Majumdar from NMIT, Bangalore, and other dignitaries



Felicitation to the Chief Guest Dr. Jharna Majumdar, from NMIT, Bangalore, by the organizers during the Second In-house R & D Symposium on 15 September 2018



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Students and Faculty Mentor of Mechanical Engineering who were Winners of the DST-Lockheed Martin Contest receiving an memento from the Chief Guest, Dr. Jharna Majumdar during the Second In-house R & D Symposium, on 15 September 2018



Dr. Jharna Majumdar, from NMIT, Bangalore, delivering a Technical Talk during the Second In-house R & D Symposium on 15 September 2018



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Dr. Dinesh Anvekar from Vijaya Vittala Institute of Technology, Bangalore, delivering a Technical Talk during the Second In-house R & D Symposium, on 15 September 2018

INCUBATION CENTERS ESTABLISHED

SI No	NAME OF THE COMPANY	FOCUS AREAS	Year of Establishment
1	Aspartika Biotech Pvt. Ltd	Waste Management and Wealth Creation (Graduated in 2019)	2013
2	Foundation for Neglected Disease Research (FNDR)	Drug Development for Neglected Diseases (Malaria and Tuberculosis) Graduated in 2019	2014
3	Mallipathra Nutraceuticals Pvt. Ltd	Nutraceuticals from Fungal Sources	2014
4	Krimmi Biotechnology Pvt Ltd	Biopesticides	2016

ABOUT THE INCUBATION CENTERS

Aspartika Biotech Pvt. Ltd. was incorporated on 25th March 2015 and Incubated at Sir M. Visvesvaraya Institute of Technology, Bangalore.



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The major goal of the company is to establish a Techno-Silk City by establishing Automated Reeling Machines to produce high-quality silk yarn. Aspartika Biotech Pvt Ltd has developed novel technologies to utilize the Sericulture Industry Waste like silkworm pupae and silkworm excreta and convert them into high-value nutraceutical and cosmeceutical products. Production of Novel products like silk protein sericin, organic/flat silk sheets etc., At Aspartika, we believe in a zero-waste eco-friendly environment for all; hence we have developed a sustainable model for creating a zero-waste discharge and a sustainable green technology to produce high-value nutraceuticals from the waste generated.

Aspartika has developed and patented a Supercritical fluid extraction process technology. It is a completely zero waste discharge process where the discarded silkworm pupa is converted into high-value pharmaceutical grade Omega-3 Fatty Acids and the De-oiled cake is used as a rich protein supplement in the poultry and aqua industries. There are no chemicals used in the process and all the raw materials used are completely renewable & by-products of other industries. This facility will be utilized to produce essential oil from agricultural waste such as grape seed oil, sandalwood seed oil, and pomegranate seed oil. Our technologies have been supported by the Government of India & the Government of Karnataka under the DBT-BIG, BIRAC BIPP, BIRAC-PCP, and Idea2PoC-GoK schemes. Aspartika Biotech has also collaborated with ICAR University – Sher E Kashmir University of Agricultural Sciences and Technology of Kashmir for the utilization of silkworm excreta to produce pharmaceutical-grade products. The company has received several global, national & state-level awards & recognitions.

The company has established a DSIR-GoI recognized in-house R&D facility & ISO 9001:2015, WHO-GMP, AYUSH-GMP recognized production facility.

Mallipathra Neutraceuticals Pvt Ltd

Mallipathra has developed a novel process for growing the world's costliest endangered high-value medicinal cordyceps in an artificial environment. Mallipathra has developed technology for growing cordyceps within 60 days as opposed to 365 days in nature. We have



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developed a process to grow these mushrooms on both vegetarian and non-vegetarian substrate which is on par with naturally grown cordyceps in terms of active ingredients.

Mallipathra Nutraceuticals Pvt Ltd was initiated through a grant in aid from BIRAC under the BIG scheme to Dr. Mousumi Mondal, CEO, and Director of the company. Mallipathra has established a pilot-scale GMP and FSSAI certified cordyceps production facility with the funding support from BIRAC under the BIPP scheme. We are Certified by FSSAI, WHO-GMP, ISO 9001:2015, & ISO 2000:2018

Cordyceps is the world's costliest endangered medicinal mushroom known to have high Nutraceutical and Cosmeceutical value. Mallipathra has developed technology for growing cordyceps within 60 days as opposed to 365 days in nature. A novel process of growing Cordyceps on various vegetarian and specialized insect mediums in an artificial environment has been established. Cordyceps is a superfood that has several miracle molecules like cordycepin, and cordycepic acid, which are found ONLY in cordyceps and are not found in any other plant or animal source. Our products have been standardized for higher contents of active components like cordycepin and Cordycepic acid when compared to existing products in the market and the natural cordyceps.

FOUNDATION FOR NEGLECTED RESEARCH (FNDR)

Foundation for Neglected Disease Research (FNDR) is a not-for-profit biotech R&D organization dedicated to discovering and developing novel therapeutics, diagnostics, and devices for diseases with a high socio-economic impact.

Since its inception in 2014, FNDR has generated a portfolio of therapeutics in tuberculosis, nontuberculous mycobacteria, malaria, dengue, leishmania, serious bacterial infections, fungal infections, COVID-19 and RSV, spanning over early-stage discovery to late-stage clinical trials. FNDR's R&D Centre, which includes state-of-the-art BSL2 and BSL3 laboratories for both in vitro and in vivo research, is located in Bengaluru, India. FNDR also



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performs preclinical infectious disease studies under a fee-for-service mode. Under the One Health model, FNDR is working on antimicrobial resistance, pandemic preparedness and other areas of public health concerns.

KRIMMI BIOTECH LLP

Krimmi” is a name derived from a Sanskrit word “**Krumi**”, which is used to describe all types of visible/invisible organism such as insects, micro-organisms (according to classical Indian texts like Astanga Hrudaya, Charaka Samhita, Shushruta Samhita, Rig Veda, Yajur Veda etc.).

The **KRIMMI BIOTECH LLP** was incorporated on 28th of July, 2015 with registered address Technology Business Incubation Centre, Sir. M. Visvesvaraya Institute of Technology Campus, Yelahanka, Bengaluru, Karnataka, India 562157 Incubated at Sir M. Visvesvaraya Institute of Technology, Bangalore, which is recognized as a SIRO by the Department of Scientific and Industrial Research, Government of India. The company also aims to manufacture a cost-effective diet for healthy rearing of *Galleria mellonella* which is a honeycomb pest. We intend to replace honey with an equally functional natural component which would make the diet economically viable.

The company also intends to provide a ONE-STOP-SOLUTION for all the needs of a farmer engaged in rearing of insects, especially silkworms, by establishing Grainage for seed production, chawki for rearing silkworms up to 2nd instar (Young age) and later moving on to the Late-age rearing of silkworms up to the stage of spinning.

Educating farmers and providing awareness regarding the new technologies in rearing of economically viable insects like silkworms, without the concerns regarding land, water or labour.



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The Inauguration of Sir MVIT Incubation Center was done by **Padmabhushan Dr. G. PADMANABAN**, NASI Platinum Jubilee Senior Scientist, (Former Director of IISc.)





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BENEFITS OF ASSOCIATION (2013 – till date)

The brand value of Sir MVIT has been enriched by such associations. TV programs on CNBC and DD channels have been telecast about these ventures, highlighting our institute's support.

1. Collaborative Projects worth INR 197 Lakhs
2. Number of Awards won by the Incubates: 15
3. Financial Support extended towards 3 events (about INR 1 lakh)
4. Number of Lectures delivered as subject experts from these companies : FOUR
5. International seminars represented by the teams: THREE (Branding Sir MVIT)
6. Total number of students trained: 92 (students of the department)
7. KSCST funded projects: 14 (students of the department)
8. M.Tech projects: 6 (students of the department)
9. B.E projects: 9 (students of the department)
10. Anveshana projects: 14 (students of the department)
11. Number recruited through projects: 8
12. VGST funded projects: TWO
13. BIPP projects: 2 (along with the faculty of the department)
14. SBIRI projects: 3 (along with the faculty of the department)



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AWARDS BY INCUBATES IN ASSOCIATION WITH THE INSTITUTION



Dr Priya Narayan, Associate professor, Dept. of BT, Sir MVIT and Dr. Mousami Mondal, and Team from Mallipathra Nutraceutical Private Limited, Incubatee @ Sir MVIT for won the BIRAC Innovator award -2020 during the award ceremony of the “Global Bio India 2021 held on 3rd March 2021

Aspartika Biotech Pvt Ltd incubated at SIR MVIT received **National Entrepreneurship Award 2019** under Renewable Energy and Waste Management Category by the **Minister of Skill Development and Entrepreneurship (MSDE)**. The award was conferred under the chairmanship of Union Minister Dr. Mahendranath Pandey.





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Aspartika Biotech Pvt Ltd incubated at SIR MVIT has won **Smart Biotech award for 2019** under category Bioindustrial Startup



M/S Aspartika Biotech Located at Sir MVIT Campus, which is being mentored by the Biotech Department (which is also a project collaborator as

well) was among the Top Ten Startup Companies (Chosen from 300 innovative companies across the country) to receive the award on 5th March 2018, At Leela Palace by Minister Priyank Kharge and Dignitaries from FICCI, PWC and CNBC.

ESTABLISHMENT OF VARIOUS CELLS TO PROMOTE INNOVATION AND ENTREPRENEURSHIP

IP CELL

Sir MVIT-KSCST IP is constituted in collaboration with The Karnataka State Council for Science and Technology (KSCST), Head by: Mr. H. Hemanth Kumar, Executive Secretary. KSCST along with Patent Information Centre (PIC), tirelessly willing to create awareness, capacity building, basic and advance training programmes on Intellectual Property Rights (IPRs). Further PIC KSCST is establishing IP cells across Karnataka in Science/Engineering Institutions / Universities and Cell for IPR Promotion and Management (CIPAM), A professional body under the aegis of Department for Promotion of Industry and Internal Trade (DPIIT), Govt of India, which ensures focused action an issue related to IPRs and addresses the identified objectives of the policy.



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SIRMVIT-KSCST IP CELL will provide support & guidance to the students, research scholar, faculty members and industry personals in & around our Institution in protecting inventions and creations.

The Objectives of the IP Cell are:

- To create an awareness about IPR among the faculty and students.
- To conduct workshops and seminars on IPR.
- To educate faculty about the procedure of patent filing.
- To enable patent searches for industry and RD institutions.
- To guide inventors in respect of patenting their inventions.

The Outcomes of the IP Cell are:

The outcome of the IP Cell will be providing support & guidance to the students, research scholar, faculty members in protecting inventions and creations. The Cell will Work as bridge between Patent Information Centre& research center's of the College & Guide students, research scholars and faculty members on the importance of IPR, especially on patents. The IP Cell will arrange periodic meetings of groups of students, research scholars and faculty members with officers of Patent Information center.

Sir MVIT-KSCST Intellectual Property Cell was inaugurated at Sir MVIT

Shri. K. Syama Raju, Secretary, Sri Krishnadevaraya Education Trust inaugurated the Intellectual Property (IP) Cell at Sir.M.Visvesvaraya Institute of Technology, Bengaluru here on Friday 16th October 2020. The other dignitaries present were Shri G. Prabhakar Raju, Academic Chairman, SirMVIT, Dr V R Manjunath, Principal, SirMVIT, Dr. H L Suresh, HOD-Electrical, Sir MVIT, Mr. C. Babu Raju, Asst Manager, Sir MVIT and Dr.Mahesh.K, Coordinator, SirMVIT-KSCST IP Cell. This was established with the technical support of KSCST, Bengaluru. Mr. Vivek Anand Sagar IP Attorney and Consultant, KSCST and Mr. Nagarjun, Project Associate at KSCST.



SRI KRISHNADEVARAYA EDUCATIONAL TRUST
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC)
Krishnadevarayanagar,
Off International Airport Road, Hunasamaranahalli, Bengaluru – 562 157



Following are the Details of IPR related activities

S. No	Title of FDP/ Program	Date
1	Constitution of IPR Cell	14 th July 2020
2	Inauguration of IP Cell	16 Oct 2020
3	5 Day Faculty Development Programme on "Intellectual Property Rights"	19th,20th, 21st, 22nd& 23rd October 2020
4	World Intellectual property day celebration	26/04/2021
5	World Intellectual property day celebration	26/04/2022
6	Certificate of appreciation for GOI for organizing IPR awareness program	March 18 th 2023
7	World Intellectual property day celebration	26/04/2023



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INSTITUTIONS INNOVATION COUNCIL(IIC)

Institute Innovation Council PROGRAM was launched in the year 2018, by the Ministry of Education through its Innovation Cell (MIC), in collaboration with AICTE for Higher Educational Institutions (HEIs). The objective of this program is to nurture the culture of startup ecosystem and innovation in especially in Tier-II institutions. Its primary focus is on motivating and engaging the fraternity of faculty and students in activities related to Innovation, Entrepreneurship and Startup ecosystem.



Some of the Activities Are:

- Ideation
- Problem solving
- Proof of Concept development
- Design Thinking
- IPR
- Project handling and management at Pre-

incubation/Incubation stage

INDIAN KNOWLEDGE SYSTEM

Emphasis has also been given to Indian Knowledge systems (IKS) with grants received for “TITHICINTĀMAṆĪ OF GANEŚA DAIVAĪĀ – Translation and Mathematical Analysis” from INSA. Research work based on Ahargana according to Makaradasarini and other Indian Astronomical texts, Solar ingress (Sankranti) according to makaradasarini and their Indian Astronomical texts, are being explored.

Sir M Visvesvaraya Institute of Technology

Department of Electrical and Electronics Engineering



TEAM NAME: ELECTRIMO

CAR NO.: 11

CITY-STATE: BANGALORE-KARNATAKA

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Team "Electrimo"

Sl no.	Names	USN	Event	Funding college	other funds	Prizes / Awards
1	Harishith (Capatian)	1MV16EE033	National E-Kart Championship (NEKC), Bhopal during 2-5th March 2020	1,00,000/-	1,50,000/- * *Students self-sponsored	1. The Best Team Spirit Award 2. Dronacharaya Award-Best Faculty Advisor 3. Overall Appreciation Award
2	Karthik G (Manager)	1MV16EE040				
3	Mithun N	1MV17EE410				
4	Lokesh.K	1MV17EE408				
5	Kirthan.M	1MV16EE045				
6	Bharghav S Reddy	1MV16EE022				
7	Akshay H	1MV16EE008				
8	Ashish Rout	1MV16EE014				
9	Varun K T Menon	1MV16EE117				
10	Nishanth D M	1MV16EE068				
11	Manjunath Raju K	1MV16EE051				
12	Arun Kumar	1MV17EE014				
13	AyushKashyap	1MV17EE017				
14	AnkurMahur	1MV17EE018				
15	KeshavBharti	1MV17EE011				
16	Aniket Kumar	1MV17EE034				
17	AnandManav	1MV17EE009				
18	Rajashekhar M S	1MV17EE059				
19	Vivek Singh	1MV17EE095				
20	Bhavana G	1MV17EE019				
21	Chaithra G M	1MV17EE020				
22	Aparana	1MV17EE012				
23	Arcilla Pinto	1MV17EE013				
24	Prerana N S	1MV17EE058				
25	Dr.Mahesh.K (Faculty Advisor)					

Summary Report of National Electric Kart Championship (NEKC).

We the team of 25 people had travelled to Bhopal, Madhya Pradesh to participate in an event called National Electric Kart championship held in National institute of design(NID), Bhopal

Below is the breakthrough of the events and our performance there.

Our preparation started and the truck which was loaded with our kart arrived a day before the event. We examined whether our kart had any physical damages.

DAY 1: (02/03/2020)

We were allotted a cockpit at 9am.

It all started with the technical inspection (TI).

There was captains meet at 11am where all the rules were explained and we were supposed to produce the required documents and we were given our ID cards.

There were some minor changes to be done to the kart. So we couldn't attend TI on day 1. There was inaugural function held at 5:30pm. Two of our team members volunteered to speak about the stay and the campus when asked which was appreciable. Dignitaries who arrived as guests to the inaugural function visited every cockpit and asked about uniqueness of the kart.

Here comes the end of day 1. Students were supposed to leave the cockpit by 6:30pm.



DAY 2: (03/03/2020)

Work started at the cockpit at 8:30am.

We were ready to go for TI. We attended TI but unfortunately couldn't clear it at first attempt. So we had to make some minor changes in the kart for 2nd attempt.

Next comes our turn to present our business plan which went really good. Day 2 ends here.



DAY 3: (04/03/2020)

On day 3 we fixed the kart and went for 2nd attempt of TI and we cleared it. On this day we passed auto cross, brake test, skidpad test and blind target and secured gold medal sticker. Our faculty advisor Dr. Mahesh K sir attended the dronacharya assessment. In the evening there was drag race which was most awaited amongst all dynamic events. Our first opponent was from M S Ramaiah Institute of Technology (MSRIT) which we defeated. We went till the quarter finals in the drag race. We were the team who stood first amongst all 5 popular Karnataka's colleges like MSRIT, Christ University, MITE, Presidency University. Day 3 ended wonderfully.





DAY 4: (05/03/2020)

Day 4 started with endurance race. Rules were been explained to the drivers regarding the race. The race was held for 75mins. The kart with maximum number of laps with minimum number of penalties and good condition of the kart till the end would win.

We did 36 laps with zero penalties and winner did 37 laps. We just missed the first position.

There comes an end of all the events. Valedictory ceremony was held and the chief guests gave their remarkable speech on the occasion. The most awaited moment was prize distribution and we won in two categories that is Dronacharya award(best faculty advisor) and best team spirit which was the happiest moment. Here comes the end of NEKC.





We returned to Bangalore on 8th March 2020 via train
Thank you
Yours sincerely
Team Electrimo

CHASSIS SYSTEM

Overall Length (inch): 70

Wheelbase (inch): 43

Track Width (inch): 49

Ground Clearance (inch): 3

Sl.no	Part type	Part Specification
1.	Steering type	Rack and pinion
2.	Geometry	Ackerman geometry
3.	Type of rack used	Left side mounted
4.	Steering ratio	1:1
5.	Inner turning radius	2.5 meters
6.	Outer turning radius	3.0 meters
7.	Turning radius	2.75 meters
8.	Steering angle	30 degree

BRAKING SYSTEM:

- Stopping Distance at the speed of 40kmph: 3.21 m
- Stopping Time at the Speed of 40kmph: 0.632 m

TRANSMISSION SYSTEM :

- Speed: 41 km/hr
- Power: 4.02 bhp

BLDC MOTOR CONTROLLER

SPECIFICATIONS

- Motor type:- Brushless DC Motor (BLDC Motor)
- Rated DC Voltage (Volts):- 48/60
- Over Voltage Cut-off (Volts):- 68
- Under Voltage Cut-off (Volts):- 42
- Commutation Angle (Degrees):120
- Rated Power (Watts):- 3000
- Rated Current (Amperes):- 90
- Operating Temperature (°C):- -20 to 80
- Protection Class:- IP 33
- Throttle voltage: 1V to 4.5V
- Number of Mosfets :- 36
- Brake De-energize: High

BATTERY SYSTEM:

To match the performance, design and innovation of professional cars, we designed our kart as a single seater, electric performance, sports vehicle. To run on heavy duty, we have used one battery pack of 48v 80Ah Li-ion battery pack.

Formulation and Calculations:

Voltage of battery pack: 48V

Current of battery pack: 100Ah

Energy stored = $48 * 80 = 3840$ Wh

Component Selection:

Type of batteries:

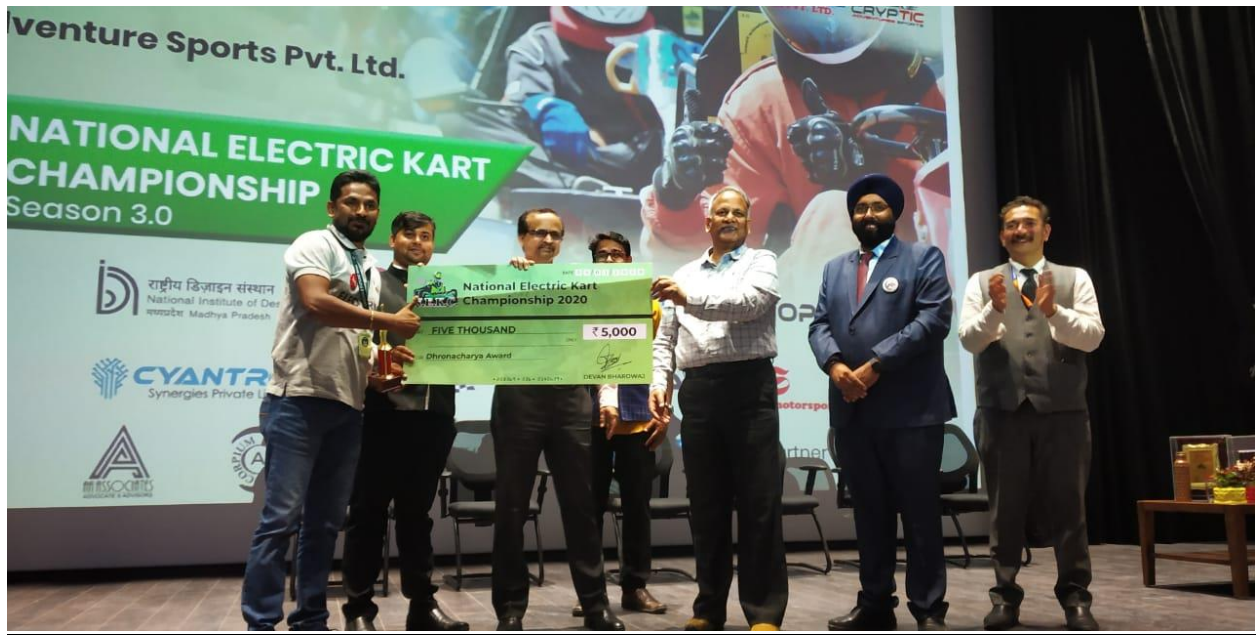
One pack of 48V, 80Ah.



The Team Electrimo



Receiving the Best Team Spirit Award



Dronacharya Award-Best Faculty Advisor of Team Electrimo



Receiving the Overall Appreciation Award for Team Electrimo



The Team Electrimo with Principal and HOD-EEE, SirMVIT.



The Achievers Of team Electrimo with Ekart

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY
Krishnadevaraya Nagar, Hunasamarahalli, International
Airport Road, Bangalore - 562157

INSTITUTION'S INNOVATION AND START UP POLICY



Sir M Visvesvaraya Institute of Technology,
Krishnadevaraya Nagar, Hunasamarahalli,
International Airport Road, Bangalore - 562157
Karnataka

SL. NO	CONTENT	PAGE NO.
1	About National Innovation and Start-up Policy 2019	3
2	Karnataka Start-up and Innovation Policy	4
3	Sir MVIT Innovation And Start Up Policy	5
4	Sir MVIT Innovation and Start up policy	4
5	Members of NISP Planning & Monitoring Committee	8
6	Institute Innovation Council Members	9

ABOUT NATIONAL INNOVATION AND START-UP POLICY 2019

The National Innovation and Start-up Policy 2019 for students and faculty of Higher Education Institutions (HEIs) will enable the institutes to actively engage students, faculties and staff in innovation and entrepreneurship related activities. This framework will also facilitate Ministry of Education in bringing uniformity across HEIs in terms of Intellectual Property ownership management, Technology licensing and policy, to enable creation of a robust innovation and Start up ecosystem across all HEIs.

OBJECTIVES

India aspires to become 5 trillion-dollar economy by 2024. To reach the mark, it needs to evolve systems and mechanisms to convert the present demographic dividend into high quality technical human resource, capable of doing cutting edge research and innovation towards deep-tech entrepreneurship. The 'National Student and Faculty Start-up policy 2019' is a guiding framework to envision an educational system oriented towards start-ups and business opportunities for student and faculties. The guidelines provide ways to Indian HEIs for developing entrepreneurial agenda, managing Intellectual Property Rights (IPR) ownership, technology licensing and equity sharing in Start-ups or enterprises established by faculty and students. In India, innovation is still not the epicenter of educational systems. In order to achieve the above goals and ambitions and to ensure that "Innovation and Start- up" culture is the fulcrum of our higher education system, a policy framework is the need of the hour. These guidelines will enable institutions to actively support their faculty, staff and students to participate in innovation and entrepreneurship (I&E) related activities, thus encouraging students and faculty to consider start-ups and entrepreneurship as a potential career option.

KARNATAKA START UP POLICY (2015-2020)

GOALS

- Achieve creation of 6 lakh direct and 12 lakh indirect new employments in the sector Mobilize Rs. 2,000 Cr funding for investment in startups through Government interventions, by leveraging the “Fund of Funds” proposed to be put in place by the State Government
- Facilitate generation of at least 25 Innovative Technology solutions with a social impact in sectors like Health care, Food Security, Clean environment and Education for all etc.

STRATEGIES

This policy document recognizes the fact that the seeds of entrepreneurship and the innate ability to innovate must be nurtured in academic institutions. It is the need of the hour to develop a culture that produces innovators who dare to dream an original idea and pursue it till fruition. The State would therefore work towards creating such an ecosystem in academic institutions via the following.

- ✓ **Encouraging Entrepreneurship in Education through New Age Incubation Network (NAIN)**
- ✓ **Fostering strong partnerships between R and D institutions and Industry**
- ✓ **Providing early stage/Idea2PoC (Proof of Concept) funding**
- ✓ **Creating Incubation infrastructure through PPP models**
- ✓ **Networking and Aggregation of Common Instrumentation Facilities (CIFs)**
- ✓ **Startup funding through “Fund of Funds”**
- ✓ **Channelizing Innovation for Social Impact**
- ✓ **Promoting Capacity Building through exposure, visits and workshops**
- ✓ **Providing State support in the form of incentives & concessions**

SIR MVIT INNOVATION AND START UP POLICY

VISION

To motivate, promote, guide and handhold the students and staff who wish to envisage and embark upon entrepreneurial journeys

MISSION

To motivate the aspiring students/staffs to envision and empower entrepreneurial thinking and business acumen via awareness programs, interactive sessions, idea to PoC competitions, DIY hackathons, business meets, GDs, networking events, etc.

OBJECTIVES

- To inculcate the passion and spirit among the students/staff to pursue entrepreneurship.
- To spread the knowledge about entrepreneurial opportunities through expert talks and events etc.
- To facilitate the students/staff towards pitching their ideas and provide them suitable opportunities and platforms for developing them as business models.
- To support successful students/staff to develop their own enterprises.

SHORT TERM OBJECTIVES (0-12 MONTHS)

- Strengthen the activities of Institute Industry Interaction Cell
- Organize FDP, seminars, workshops and talks for students/Faculty from subject matter experts to promote the entrepreneurial ecosystem.
- To conduct events like idea to PoC competitions, DIY hackathons, business meets, GDs, networking events, etc. to scout for creative talent, novel ideas and passionate groups
- To support these innovative teams achieve their entrepreneurial goals and ambitions.

LONG TERM OBJECTIVES (0-36 MONTHS)

- To associate with DST, DBT, MSME, and other organizations ~~academic~~ to promote Entrepreneurial activities
- To Apply for schemes under National Innovation Foundation (NIF) of India
- To set up an Entrepreneurship Development cell through funding from AICTE
 - To explore funding opportunities from various external agencies.

- To inculcate and improve research and consultancy cultures amongst students and faculty, thereby achieve generating quality IPs.
- To promote successful business models and opportunities globally.

THE POLICY

1. STRATEGIES AND GOVERNANCE IN IMPLEMENTING POLICY

Strategies and governance:

1. Minimum 1% fund of the total annual budget of the institution to be allocated for supporting innovation and startup related activities.
2. This will be supplemented with funding from various bodies like DST, DBT, MHRD, AICTE, TDB, TIFAC, DSIR, CSIR, BIRAC, NSTEDB and NRDC.
3. The Institute Innovation Council shall, with the support of the institute regularly conduct workshops, hackathons, and webinars.
4. The Action plan and assessment shall be disseminated to all stakeholders.

ENABLING INSTITUTIONAL INFRASTRUCTURE:

1. The Institute will strengthen its IIC, IPR cell, Entrepreneurship Development cell towards developing Innovation and Entrepreneurship activities.

Nurturing Innovations and Start ups

1. The Institute shall offer its facilities to faculty, students and potential innovators.
2. Student / Faculty entrepreneurs may be permitted to use the infrastructure and facilities of the Institute based on formal consents.

Product Ownership Rights for Technologies Developed at Institute

1. Joint ownership or acknowledging the Institute may be assured when a patent/publication is developed using the facilities of the Institution.
2. The Institution will provide assistance and guidance for innovative research and IP management via the IP cell.

Organizational capacity, human resources and incentives

1. Faculty members will be trained and given exposure to Innovation and Entrepreneurship.
2. Inter departmental projects and linkages will be strengthened to gain better

knowledge.

3. Guest lectures by experts and alumni in the domains will be organized on a time to time basis.
4. Faculty members will be encouraged to do add-on courses/certification courses on Entrepreneurship and IP management.
5. Reward mechanisms will be formulated to acknowledge the faculty who involve in innovation, entrepreneurship management, venture development management and IPR management.

Setting innovation pipeline

1. The IIC shall ensure that maximum students are exposed to innovation and pre incubation activities
2. The IIC shall handhold the talented groups during the process of ideation to innovation to business models
3. The IIC shall conduct various activities related to innovation, startup and entrepreneurship development.
4. The IIC shall coordinate Networking events to create a platform for the budding entrepreneurs to meet investors and pitch their innovative business ideas/concepts.

Collaboration co-creation business relationships and knowledge exchange

1. Collaboration will be made with social enterprises and professional bodies, to strengthen the Innovation and Entrepreneurship ecosystem.
2. Internships and collaborative projects may be undertaken in Industries through MoUs.
3. The IIC will welcome Feedback and suggestions from Stakeholders to strengthen the innovation ecosystem in the campus.

IMPACT ASSESSMENT

1. Impact assessment of institute's entrepreneurial initiatives such as pre-incubation, incubation, entrepreneurship education will be performed regularly using well defined evaluation parameters.

NISP PLANNING & MONITORING COMMITTEE

INTERNAL MEMBERS		
Sl No	Name	Designation
1	Dr. S G Rakesh (Principal)	Principal (Chairperson)
2	Dr Priya Narayan	Dept of BT Sir MVIT (Coordinator)
3	Dr Priyanka Sharma	Dept of MBA (Member)
4	Dr Mahesh K (EEE)	Dept of EEE (Member)
5	<u>Dr. R. Sivapriyan</u>	Dept of EEE (Member)
6	Prof Muthuramalingam	Dept of MCA (Member)
7	Mr Abhishek Thakur	Student Coordinator
EXTERNAL MEMBERS		
Sl No	Name	Designation
1	Dr R Nagaraja	Managing Director, Power Research & Development Consultants Private Limited
2	Mrs Revathy Ashok	Startup Evangelist, Angel Investor, Co-Founder Strategy Garage, Former MD Tishman Speyer
3	Dr Susheela Venkataraman	Governing Council Member and Joint Secretary at IIT Alumni Centre, Bengaluru
4	Mr Shrinivas BV	Director & CEO at Aspartika Biotech Pvt Ltd
5	Mr. Nagachethan S M	Head, Housing Business at Navi FinServ Private Limited Bharat Inclusion Initiative Fellow

INSTITUTE INNOVATION COUNCIL MEMBERS

Sl.No.	Name	Department / Designation	Responsibility
1	Prof. Rakesh S.G.	Principal	Chairman
2	Dr. Vanipriya C.H.	HoD-MCA	President
3	Dr. Soumya Pail	CSE	Vice-President
4	Dr. Sasmita Mohapatra	ECE	Convenor
5	Dr. Priyanka Sharma	HoD-MBA	Startup Activity Coordinator
6	Dr. E. Kavitha	HoD-ETE	ARIIA Coordinator
7	Dr. Priya Narayan	BT	Innovation Activity Coordinator
8	Dr. Shantha V.	ME	Internship Coordinator
9	Dr. Mahesh K.	EEE	IPR Activity Coordinator
10	Dr. Jagadeesh Kumar	BT	Social Media Coordinator
11	Dr. H.G. Nagendra	HoD-BT	Member
12	Dr. Supriya V.G.	ECE	Member
13	Dr. Hariharan N.	HoD-Phy	Member
14	Mr. K.V.R. Prasad	CV	Member
15	Dr. Balakumar	ME	Member
16	Ms. R. Latha	MCA	Member
17	Dr. Prashanth G.K.	Chemistry	Member
18	Mr. Phaninder Ravi P.	ECE	Member

19	Dr. Rashmi K.V.	BT	Member
20	Ms. Sreelakshmi T.	ETE	Member
21	Ms. Deepti M.	MBA	Member
22	Ms. Asharani	ME	Member
23	Ms. Chandrakala	MCA	Member
24	Mr. K. Radhakrishna	ECE	Member
25	Ms. Savithri R.	CSE	Member
26	Ms. Netravathi S.	CSE	Member

SIR M.VISVESVARAYA INSTITUTE OF TECHNOLOGY
BANGALORE- 562157

To
The Principal
Sir MVIT
Bangalore 562157

12/4/2021

Respected Sir,

Subject: Ratification and Notification of Institution's Innovation Policy- Reg

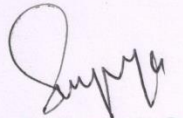
As you are aware, there is a need to formulate the **Institution's Innovation and Start up Policy** as per the guidelines from AICTE and MHRD. In view of this the NISP Implementation and Monitoring Committee has formulated the Draft copy of the Institution's Innovation and Start up Policy in consultation with the Institution Innovation Council (IIC). The copy of the policy reviewed by the NISP Implementation committee, IIC and IP cell is herewith attached for your kind reference.

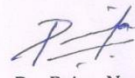
Further, there is a need to get the document ratified by your kind self and further by the Hon. Secretary, Sri KET. This document has to be uploaded on the NISP action Dashboard and also on the Sir MVIT web site **(As per the mandatory requirement of AICTE and MHRD)**.

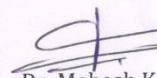
Hence through this letter we request your kind self to ratify the document from the authorities and permit us to publish the same on the college website and oblige.

Thanking You

Sincerely Yours


Dr. Supriya V. G.
President, IIC


Dr. Priya Narayan
NISP & e-cell Coordinator


Dr. Mahesh K.
Coordinator,
Sir MVIT-KSCST IP Cell

Dr. Priya, BT
Permitted to
upload to
College website
12/4/2021

E-Wings

Adding Values to your ideas

ENTREPRENEURSHIP DEVELOPMENT CELL (EDC)

Sir M. Visvesvaraya Institute of Technology

The EDC of Sir MVIT was integrated with CIII in 2018-19 and reconstituted as an independent body in 2019-2020.

VISION

To be a resourceful unit for motivating, promoting, guiding and handholding the students and staff who wish to embark upon envisaging their entrepreneurial journeys

MISSION

To motivate the aspiring student/staff to start and grow their businesses by creating a pathway of opportunities like awareness programs, interactive sessions, idea to PoC competitions, DIY hackathons, business meets, GDs, networking events, etc., to foster entrepreneurial thinking and business acumen.

OBJECTIVES

- Inculcate the passion and spirit among students to pursue entrepreneurship.
- To spread the knowledge about entrepreneurship through expert talks and events etc.
- Identifying the brightest ideas and giving them opportunities and platforms for pitching them towards business ventures
- Motivate students to develop their own start-ups

MEMBERS OF E CELL

CONSTITUTION OF ENTREPRENEURSHIP DEVELOPMENT CELL AND NATIONAL INNOVATION AND START UP POLICY

INTERNAL MEMBERS		
Sl No	Name	Designation
1	Dr. S G Rakesh (Principal)	Principal (Chairperson)
2	Dr Priya Narayan	Dept of BT Sir MVIT (Coordinator)
3	Dr Priyanka Sharma	Dept of MBA (Member)
4	Dr Mahesh K (EEE)	Dept of EEE (Member)
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3	Dr Susheela Venkataraman	Governing Council Member and Joint Secretary at IIT Alumni Centre, Bengaluru
4	Mr Shrinivas BV	Director & CEO at Aspartika Biotech Pvt Ltd
5	Mr. Nagachethan S M	Head, Housing Business at Navi FinServ Private Limited Bharat Inclusion Initiative Fellow



Our social network: Backed by the Media Publicity team and our student Leader Abhishek Thakur, our Instagram page of E-Cell has come out with a series of 30 posts of Forbes 30 under 30 India. The Insta page will also post different case studies about start-up unicorns and brands, strategies they follow, study of the entrepreneurial mindset, the college startups and interview sessions.

Abhishek Thakur from II Semester CSE has been selected as Campus Ambassador through the IIT Bombay e cell.

Congratulations Abhishek!!

List of MVIT Entrepreneurs

Sl No	Name	Batch	Company
1.	Mahesh Hegde	1997-2001	Founder and Managing Director LearnEx Consulting Pvt Ltd
2.	Ritesh Radhakrishnan	1998-2002	Branch CTO and CO founder at Senseforth.ai
3.	Arjun Nagendran	2000-2004	Co-Founder & Chief Technology Officer Mursion, Inc. San Francisco, Member
4.	Shaily-Srivastava	2002-2006	CEO and Co-founder Acreage Inc.
5.	Mansi Chadha		Founder at Clean Hives, LP 10 – IIM Bangalore
6.	Ranjitha Ravi	2004-2008	Director, Orxa Energies, Bangalore
7.	G Shashidhara Raju		Entrepreneur, Swaasha Constructions
8.	Avinash Hegde		Co-Founder, SUPER TEXT
9.	Amar Krishna		Co-Founder, Chefling
10.	Nitish S	2008-2012	Co-Founder, Impress Health
11.	Naveen C	2011-2016	Co-Founder, Osolin Organics, Bangalore
12.	Shashank NC	2007-2011	Proprietor at Sri Vinayaka Nursery, Bangalore
13.	Bhavith Tripathi	2004-2008	Founder & MD, SecuRite IP Trading & Services
14.	Tejaswini Padma	2010-2014	Proprietor, Medical Illustrator and Animator
15.	Rachael Ramya	2014-2018	Partner, RR Associates-Advanced Medical & Diagnostic equipment
16.	Yashas K	2012-2016	Co-Founder and Partner at Ashank Academy of Learning
17.	Jahnvi G Moovala	2008-2012	Founder, NiJa The Candid Jewelry

18.	Prathibha Nair	2010-2014	Co-founder, Jack of all Threads
19.	Gaurav Bharadwaj	2011-2015	Designated partner and Technical Director, Krimmi Biotech LLP Bangalore
20.	Manasa K S	2014-2016 (MTech	Proprietress, House or Orchids, Devanahalli, Bangalore
21.	Shrinivasan V Bandlamori	2011 – 2013 (MTech	Director & CEO at AspartikaBiotech Pvt Ltd, Bangalore
22.	Prashanth	2013-2015 (MTech)	Ambient Biotechnologies
23.	Deepak Bajantri	2012-2014 (MTech)	Director at Krimmi Biotech LLP Bangalore.
24.	Bhavana Vijaykumar		Co-Founder, Pie Works, HR Consultants, Entuple

The following are the events conducted during the year 2014 to 2023 under E-Cell

Sno	Date	Activities
2014-2015		
1	13.09.14	“Orientation programme” for new E-Cell Members
2	27.09.14	One day Entrepreneurship Training programme <ul style="list-style-type: none"> • Ice breaking activity • Presentation on the introduction of entrepreneurship, which was supplemented by E- Quiz. • Various qualities of entrepreneurs with live examples and videos of entrepreneurs were also shown. • Wallet making exercise: Objective: to bring out the essential qualities of entrepreneurs in understanding the customer needs and design the product. • 50 Rs exercise. The objective of this exercise is to make the students to experiment small ventures and understand the following aspects: <ol style="list-style-type: none"> 1. Investment 2. Business Idea and Plan 3. Team work 4. Sales 5. Profit
3	12.02.15	An Entrepreneurial Talk on “My Story Session” by Mr. Ramesh Kumar, Founder CEO, Unified Gateways, Bangalore
2015-2016		
1	11.09.15	“Orientation programme” for new E-Cell Members
2	21.09.15	One day Entrepreneurship Training programme
3	5.11.15	2 Student coordinators Mr. Subhash J K and Mr. Sharath B R attended Sweden Education Day along with two faculty co-ordinators Dr. T Joel Gnanapragash, Chief Coordinator, E-Wings and Mr. Harish, Coordinator, E-Wings on. The programme was held at Nimhans Convention Centre, Bangalore
4	11.02.16	Guest Talk on “Entrepreneurship” by Ms.Shinu Abhi, Full Bright Fellow, Head REVA Academy for corporate Excellence, REVA

		University, Bangalore
5	16.03.16	Mr.Vinod Kumar .C and Mr. Siljo from 1st year MBA represented E wings in BMS college of Engineering, and participated in start up competition " Praramba "
2016-2017		
1	19.08.2016	Introductory session about E cell was conducted by Dr.T.Joel Gnanapragash for the new E cell members
2	27.08.16. & 10.09.2016	E cell certification programme was conducted by Dr.T.Joel Gnanapragash for the new E cell members
2017-2018		
1	08.05.17& 09.05.17	E- Cell orientation Programme for 110 Engineering and MBA students for 2 different batches
2	16.05.17	Start up Buisness plan competition for Engineering and MBA studnets on 16 th May 2017.
3	10.10.17	Workshop on Entrepreneurship for Engineering and MBA students Resource persons: Mr.Bhagvan Balepur , Industrialist and Entrepreneur since 48 years and Mr.Shashak Krishna , Awardee of Make in India
4	29 th -31 st January 2018	A Three-Day National Seminar on "Innovation, IPR and Entrepreneurial Opportunities in Biotechnology
2018-2019		
1	11. 09. 2018	Creativity, Innovation and Entrepreneurship by Dr Jayakar V Ret. Director XIME
2019-2020		
1	09.11.2019	An ExpertTalk On "WOMAN ENTREPRENEURSHIP AND LEADERSHIP" by Mr.Abhishek
2	11.5.2020	Challenges of an Entrepreneur by Dr. Shridhar Narayan Foundation for Neglected Disease Research ("FNDR"), Bangalore

3	18.5.2020	Entrepreneurial Opportunities by Ms.Ojal Sarah Paul New Atlantis Ventures , London
4	19.05.2020	Patent Laws, Patent Search, Patent Drafts and Patents submissions by Mr. Shrinivas BV & Ms. Ashwathy Das Aspartika Biotech, Bangalore
2020-2021		
1	14.12.2020	Workshop on “Entrepreneurship and Innovation as Career Opportunity”by Dr. Madhura Chatrapathy, Entrepreneurship Expert and Social Enterprise Exponent
2	5.12.2020	My Story – Motivational Session by Successful Innovators, Mrs. Shaily Srivastava , CEO and cofounder, Acreage Inc., Ontario Canada
3	23.11.2020	My Story – Motivational Session by Successful Entrepreneur/Startup founder, Mr. Bhuvanesh Kumar Sharma, Technology Startup Founder, TEDex Speaker, CEO and Founder, Transpipe Integrity Solutions Pvt. Ltd, Noida
4	12.12.2020	Orientation Session on National Education Policy (with a focus on Innovation and entrepreneurship, Dr. Kalpana Gopalan IAS, PhD-IIMB, Additional Chief Secretary, Additional Chief Secretary Dept of Youth Empowerment & Sports, Govt of Karnataka.
5	22.10.2020	Orientation Programme on NEP & NISP, 1.Dr.DEVIDAS GOLHAR, Principal, MCC, Pune, Member of NEP Task force 2.Mr.VIKRAM SARAPH, Group Director, Innovation and Entrepreneurship Development
2021-2022		
1	28.08.2021	“Promoting Entrepreneurial Ecosystems” for Faculty, Students and Researchers on 1.Mrs. Revathy Ashok,Startup Mentor, CO-Founder Strategy Garage, Women Entrepreneurship Evangelist, Bangalore 2.Mr. Nagachethan S .M,Founder NAVANC, Bangalore 3.Dr Srinivas B V, Managing Director, Aspatika Biotech Pvt Ltd
2	26.08.2021	Incubation Opportunities for early stage Entrepreneurs Mr. Chetan Kumar BK,Entrepreneur,NITI Ayog, Ms.Priyanka K G,Associate Manager,Mindtree
3	25.08.2021	Strategies for successful startup- Japanese TQM approach Mr. Mahesh Hegde, Founder Learnx Consulting Pvt Ltd, Pune
4	21.08.2021	Panel Discussion with Student Entrepreneurs on eve of “World Entrepreneurship Day” Mr. Akhil S Menon, Ms. Shambhavi, Mr. Rakesh, Mr. Apoorv, Mr. Vishwas Bhooshan, Alumni Entrepreneurs

5	06.09.2021	Webinar on Funding Opportunities in life sciences and Health care. Dr.Ramjee Pallela Chief Operations Officer @ Atal Incubation Centre –CCMB, Mentor of Change -Atal Tinkering Lab @ Atal Innovation Mission
6	21.01.2022	Awareness Programme on Intellectual Property Rights (IPR) under National Intellectual Property Awareness Mission (NIPAM) by Mr Abhishek Singh
7	03.02.2022	EV & Startups Launch event at SMVIT : Orxa Energies Feb 3 2022
8	07.04.2022	One- day Awareness Event on “Interventions of Modern Technologies towards Promoting Healthcare”(in Commemoration of World Health Day) on 7th April 2022.
		2022-2023
9	06.07.2022	Started the Forbes 30 Under 30 India Series on Instagram with the aim of students recognizing Indian Entrepreneurs
10	17.07.2022	Abhishek Thakur(Overall Coordinator) selected as Campus Ambassador from E-Cell IIT Bombay
11	04.08.2022	E-Cell participated in National Entrepreneurship Challenge 2022-23 at E-Cell, IIT Bombay
12	11 th Aug – 1 st Oct 2022	Recruitment Drive for E-Cell Core Team Members
13	30.08.2022	Angel Investments/VC funding opportunities for early entrepreneurs by Dr Lakshmi H, Asst Prof Dept of MBA NMIT Bangalore
14	17.09.2022	9 teams from E-Cell Members participated in EUREKA 2022
15	10.11.2022	Keerti's Team got selected for Zonals in Eureka 2022
16	28.11.2022	E-Cell IIT Bombay Coordinators Visit to Sir MVIT Campus (Ayush Jalan, Lucky)
17	11.12.2022	Induction Programme for 1 st year on E-Cell and NISP By the E-Cell Core Team & addressed nearly 400 students

18	12.12.2022	Workshop on LinkedIn for Engineering students By Dr. Jagadeesh Kumar D, Asso Prof Dept of BT
19	13.01.2023	E-Cell Sir MVIT got selected as NEC Finalists 2022-23 conducted by E-Cell, IIT Bombay (Out of 975 Teams)
20	26 th - 29 th January 2023	Attended E-SUMMIT 2023 conducted by IIT Bombay and secured 23 rd Rank across India
21	04.02.2023	Exploring Metaverse with E-Cell SMVIT Event by Pushpak Kypuram, Co-Founder of NextMeet,
22	26.02.2023	IDO Launch and Hands-on Experience of Metaverse By NextMeet
23	18.03.2023	In Campus Ambassador Program lead by E-Cell IIT Bombay 2022-23, Abhishek secured 34 th Rank with Platinum Badge

E-SUMMIT'23 IIT BOMBAY

Students Represented E-Cell SMVIT in IITB:

1. Abhishek Thakur (1MV21CS002)
2. Atharv Agrawal (1MV21CS015)
3. Mehul Chandak (1MV21CS054)
4. Purushuttum Kumar (1MV21EC074)
5. Nitin Singh (1MV21CS066)



Reported at IIT Bombay on 26th Jan, 2023.



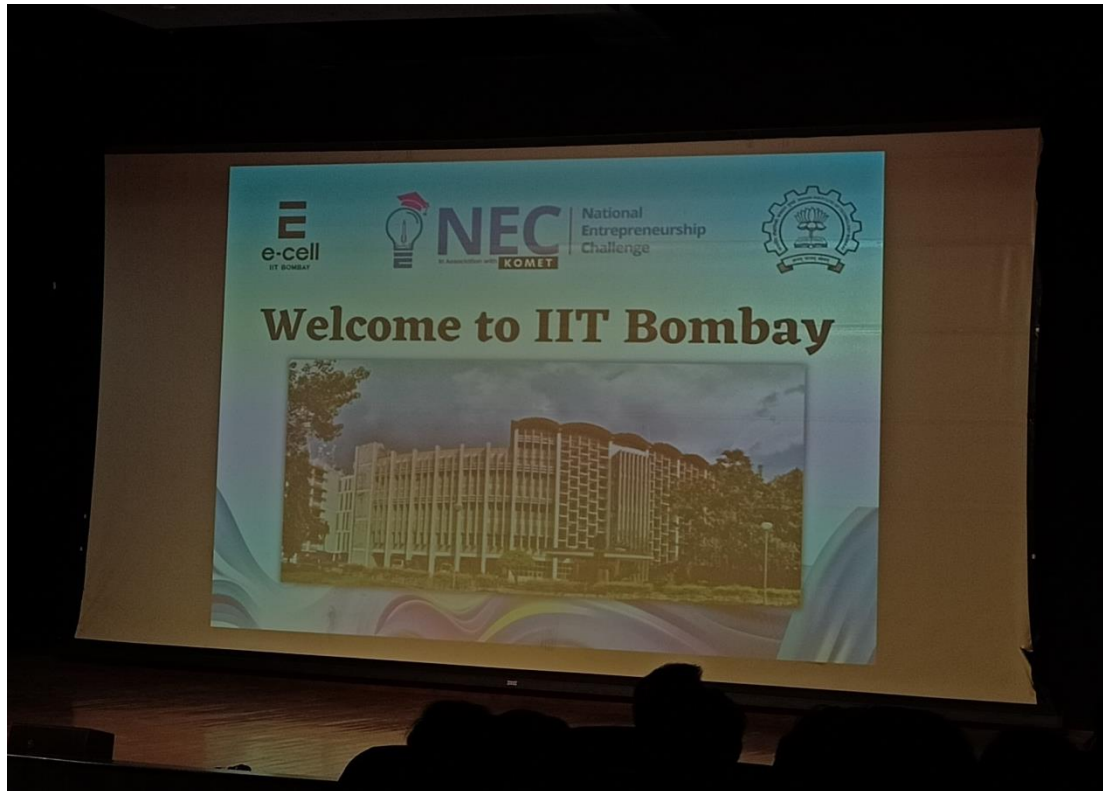


Accommodation Facility



Events

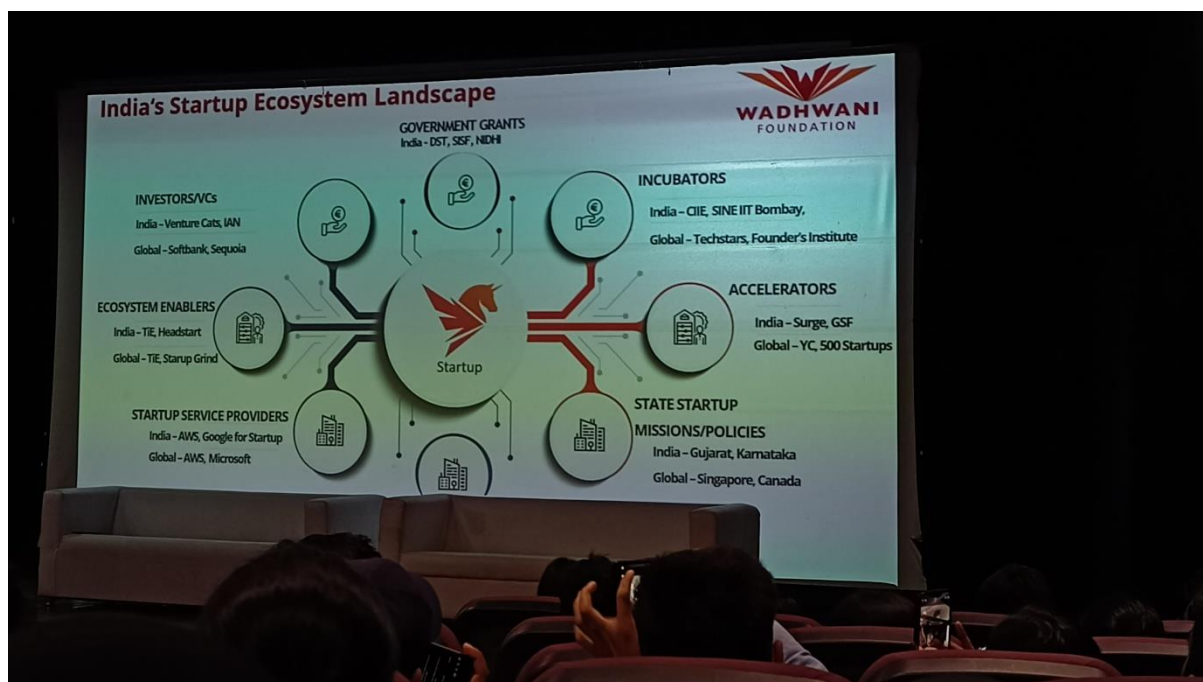
Day 1(Orientation)



- The E-Cell IITB NEC Coordinators briefed us about the whole Events which is going to happen in the E-SUMMIT.
- Workshop Session of Wadhvani Foundations, in which they explained us various schemes, requirements and problems faced by any new growing E-Cell.
- About the E-Cell building, like how they can help in scaling and setting up our E-Cell.
- INDIGG(India's Largest Web3 Gaming Community) Workshop, they told us about the various games and tournaments related to Web3 which can help the gaming community grow quickly and strongly.
- Small activity related to team building and documentation(Questionnaire).

- National Entrepreneurship Challenge(NEC) Rounds
 1. Pre-Semi Final Round (Qualified) : Quiz(JEE Like Pattern) + Case Study.
 2. Semi-Final Round (Eliminated) : Problem Analysis + Situation study related to Event.

- Networking with Other E-Cell and their Team Members.



Day 2

Speaker Sessions

KeyNote Sessions

- Aman Dhattarwal – Founder of ApniKaksha
- Mr. Kishore Jayaraman – President of Rolls Royce India
- Lalit Keshri – Founder of Groww
- Ravi Pasupuleti – Managing Director of JP Morgan & Chase Co.
- Ashneer Grover – Founder of Bharatpay and Shark tank India Judge.



Events

- Ten Minute Million
- Aakash Gupta – StandUp Comedian
- Networking





Day 3

Speaker Sessions

KeyNote Sessions

- Barkha Dutt – Indian Journalist, Author & Founder of MojoStory
- Round 2 Hell – Youtube Content Creator
- Shri Gauranga Das – ISCKON GBC & Director GEV, Spiritual Speaker
- Ashish Arora – Founder of Physics Galaxy, HOD of Allen Kota
- Vedantu Founders – Pulkit Jain, Anand Prakash & Vamshi Krishna
- Kaivalya Vohra – Founder of Zepto



Events

- Gaurav Chaudhary – Youtuber aka Technical Guruji, Listed in Forbes 30 Under 30 (2020)
- Shruti Haasan – Artist & Entrepreneur
- Priyanka Khemani – Founder of Khemani & Associates.
- Ten Minute Million
- Biswa Kalyan Rath – StandUp Comedian
- Networking





Experience gathered & Implementations

- Strong Dedicated Team
- Proper Workspace and work timings
- Networking with other E-Cell People
- Support, Funding from College & Outside Companies
- Conducting Event on Large Scale
- StartUp Alumni List from all Departments
- Crowd Handling – What all things to be avoided during events
- Properly Documented information and plannings
- A Community of all E-Cells in Bangalore
- Service based StartUp in College Campus

Future Planning

- Session related to NEC about E-Cell sharing our experience with our peeps.
- TechFest in collaboration with other technical clubs of our College.
- E-Summit of our own college.
- Enhancing Startup ecosystem in our campus.



INNOVATION CLUB- SIR MVIT

"everything begins with an idea."

FACULTY MENTOR

Dr. Jagadeesha Kumar D
Associate Professor, Dept. of Biotechnology
Sir MVIT, Bangalore

EXE-COM

1 Gagana R	- 1MV20EC048	- Secretary
2. Arjun Kanthimath	-1MV21ET004	- Coordinator
3. Abin Mathew	-1MV21ET001	- Coordinator

It is rightly said that "everything begins with an idea." Henry Ford says that "the air is full of ideas. They are knocking you in the head all the time. You only have to know what you want, then forget it, and go about your business. Suddenly, the idea will come through. It was there all the time." Ideas are continuously generated in our minds. Initially most of the ideas seem to be foolish and absurd. In fact, according to Albert Einstein, **"If at first the idea is not absurd, then there is no hope for it."** Roosevelt says that "great minds discuss ideas, average minds discuss events and small mind discuss people." In this context, George Bernard Shaw has rightly said that "If you have an apple and I have an apple and we exchange these apples, then you and I will still each have one apple. But if you have an idea and I have an idea and we exchange these ideas, then each of us will have two ideas."

NEED OF INNOVATION CLUB

Now, in view of the present initiatives of Government of India like Make in India, Start-up India, Digital India etc., the role of education sector becomes more important to harness the creative potential of the large young population of the country. Moreover, the inclusion of large number of manufacturing industry and IT industry have generated a huge demand for quality and skilled manpower in the country.

As a matter of fact, in the present age of competitions and technologically fast growing society, our youth particularly the students' needs to be futuristic and innovative. For that purpose, besides technological empowerment of the students, they need to be encouraged to be entrepreneurs and innovators. Through this column effort will be made to describe ways and means to foster the culture of innovation in Sir MVIT college. Innovation club in college could be the best platform to discuss ideas and thus promote the culture of innovation in schools and colleges.

OBJECTIVES OF THE CLUB

For promoting the culture of innovation, **INNOVATION CLUB- SIR MVIT** will provide conducive environment for exchanging the ideas, among the students and faculty. Discussing ideas itself indicates the greatness of the minds i.e. The students and faculty. Thus, the students coming up with any kind of new and innovative idea or innovation should be encouraged and be discussed regularly in the Innovation Club-of Sir MVIT Platform.

Besides generating awareness about creativity and innovations among the students and faculty the basic objectives of the Sir MVIT Innovation Clubs could be as follows:

- ✓ To identify and promote the grass-root level innovations by the faculty as well as the students;
- ✓ To provide a platform to share new and innovative ideas,
- ✓ To support and nurture the innovators both intellectually and financially
- ✓ To create a network of innovators and thus creating a culture of innovation in the schools, colleges.

WHO CAN BE THE MEMBER OF INNOVATION CLUB?

To begin with Innovation clubs may comprise of imaginative students, faculty and other interested staff members of the Colleges. Later on other students and faculty may also be involved in the activities of Innovation Clubs.



INNOVATION CLUB- SIR MVIT

"everything begins with an idea."

ACTIVITIES OF THE CLUB:

In order to meet the objectives of the Innovation Club, a variety of activities can be organized on regular basis.

- The innovation club may organize periodic meetings of the club members to generate new ideas and identify innovations by students, faculty, and other staff of the college.
- In addition to it, other students, faculty and staff members may be invited to share their innovative ideas and skills and showcase their innovative products and processes in the form of seminars and conferences.
- The club may also organize awareness campaign and various types of competitions like quiz, debates, posters, etc. on creativity and innovations within college. In fact, it can prove to be a very good platform to the students, faculty and staff to be engaged in the innovative activities and programmes related to institutes.
- In order to publicize the news and views on innovation taking place within the college and as well as outside them, it may be a good idea to publish such information in the form a magazine or newsletter on innovation on a periodic basis. Such periodicals may be brought out in the printed form or even in the electronic form. It will not only encourage students to document their innovations and innovative ideas, but it will be a good means of disseminating their ideas.
- The innovation clubs can act as effective means of sharing ideas, mutual learning, networking, mentorship and creativity. The culture of sharing ideas will certainly cultivate the culture of innovation in the schools and colleges.
- So, let us create a platform in the form of Innovation Club @ Sir MVIT to integrate innovation in our education system.

SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

INSTITUTE INNOVATION COUNCIL

The format for making report on Self Drive Activities under IIC

1. **EVENT TITLE: IDEATHON**
2. **START DATE: 15TH DECEMBER 2022**
3. **END DATE: 17TH DECEMBER 2022**
4. **SELECT EVENT THEME:**
 - a) Design Thinking & Critical Thinking
5. **URL of the Event:**
https://www.instagram.com/s/aGlnaGxpZ2h0OjE3OTY5NjgxNDYxOTcyODg5?story_media_id=2988810691878064172_56765674403&igshid=MDJmNzVkMjY=
6. **SELECT QUARTER:**
 - a) Quarter III
7. **Brochure:**



8. **Description (Total no of words:50)**

IDEATHON was conducted as a part of the 3-Day National Conference. A total of 20 groups registered for the event. On the 15th of December, the event was initiated, On the 17th of December, the final round of the event was conducted where each group presented their idea to the jury. Number of teams:20

Participants: 4/team- total of 80 Participants

Prizes: total cash pool-30,000

Sponsored by: Computer society of India

1st place-15,000 won by student's department of biotechnology, Sir MVIT

2nd place-10,000 won by students of Saptagiri college students

3rd prize-5,000 won by student of Sir MVIT

Note: One needs to map your event title to any one of these:

- a) Design Thinking & Critical Thinking



SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

E cell, NISP and Innovation Club

1. **EVENT TITLE:** "Emerging Technologies and Innovations for shaping the future of health care" (in Commemoration of World Health Day)
2. **START DATE:** 6TH April 2023
3. **END DATE:** 6TH April 2023
4. **URL of the Event:** <https://www.linkedin.com/feed/update/urn:li:activity:7049045478369349632>
5. **Brochure:**

SRI KRISHNADEVARAYA EDUCATIONAL TRUST
SIR M. VISVESVARAYA INSTITUTE OF TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY
Off International Airport Road, Krishnadevarayanagar, Hunasamaranahalli, Bengaluru - 562 157
 (Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC)

Cordially Invites One and All to the One- day Awareness Event
 On
"Emerging Technologies and Innovations for shaping the future of health care"
 (in Commemoration of World Health Day)
 Date : Thursday, 6th April 2023, Time: 9.30am to 3.45pm
 Venue: CS Seminar Hall, Sir MVT Campus

Let's Together Improve, Empower & Celebrate Health and Wellness

Good Health is not merely the absence of a disease,
 But, it is about maintaining Physical, Mental, Emotional and Psychological Fitness

PATRONS
 Sri Krishnadevaraya Educational Trust
 No.16, Ballari Road Sadashivanagara, Bengaluru-560080

06.04.2023 THURSDAY		PROGRAMME SCHEDULE	
REGISTRATION			
08.45 AM - 09.25AM		Dr. Suresh Ramu (Chief Guest) Co-founder & CEO at Cytecare Hospitals Bengaluru	
09.30AM - 10.15AM	INAUGURATION		
10.15AM - 10.30AM		TEA BREAK	
10.30AM - 11.00AM	TALK 1	Dr. Jyothsa Rao (Commemorative talk) Research Director International Stem Cell Services, Bengaluru	
11.00AM - 11.30AM	TALK 2	Dr. Mihila M. V. Associate Professor, S-VYASA University, Bengaluru	
11.30AM - 12.00NOON	TALK 3	Mr. Venkata Subramanian Narayanan Co-Founder, Pepris Technologies Bengaluru	
12.00NOON - 12.30PM	TALK 4	Dr. U.V. Babu Head, The Himalaya Drug Company Bengaluru	
1.00PM - 1.30PM		LUNCH BREAK	
1.30PM - 3.30PM	Poster / Idea Presentations	Topics related to: Trends and Advancements in Health Care	
3.30 PM - 3.45 PM	Valedictory Function	Awards Distribution and Vote of Thanks	

Registration Link : <https://forms.gle/tpk578B8yj7aVbda>
 Last date for registration : April 3rd, 2023 (Register Before: 5.00 PM)

POSTER DIMENSIONS:
 You should print the poster in 4ft (height) x 3ft (width) format (or - 33 inches by 46 inches).
 All registered participants would receive the E-certificates

Scan QR CODE for registration

EVENT COORDINATORS

Dr. H.G. Nagendra Professor & Head, Dept. of BT <small>nagendra_biotech@siravit.edu</small>	Dr. Priya Narayan Professor, Dept. of BT <small>priya_biotech@siravit.edu</small>	Dr. Jagadeesh Kumar D. Associate Prof., Dept. of BT <small>jagadeesh_biotech@siravit.edu</small>
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6. Description (Total no of words:50)

World Health Day was commemorated on 6th April 2023. The event started with a talk from Sri Suresh Ramu from Cytecare Hospitals, Bangalore. The event also had expert lectures pertaining to Health care, oncology and Ayurveda. The Afternoon session had Poster sessions on innovative projects in Health Care.

Participants: 100

Prizes: total cash pool-5,000/-

Sponsored by: Aspartica Biotech Pvt. Ltd (Lunch sponsorship)

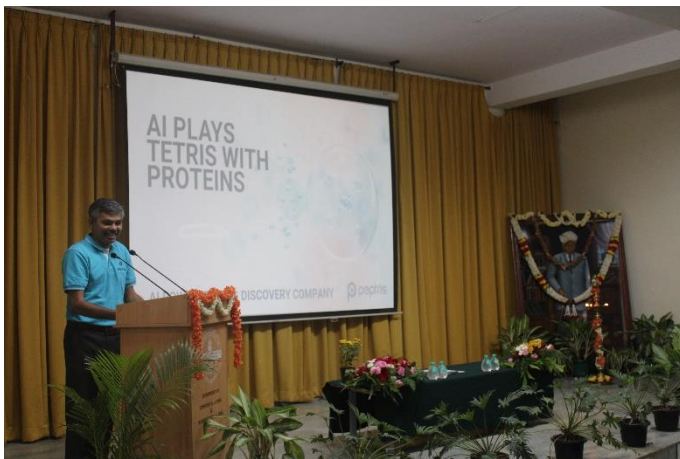
1st Place: Vandana and Team

2nd Place: Gururaj and Team

3rd Place: Pranesh and Team

Note: One needs to map your event title to any one of these:

- a) Design Thinking & Critical Thinking



SIR M VISVESVARAYA INSTITUTE OF TECHNOLOGY

INSTITUTE INNOVATION COUNCIL

Celebration Activity

1. **EVENT TITLE:** A Seminar on “Importance of Innovation and Creativity in HEIs”(In Commemoration of World Creativity and Innovation Day)
2. **START DATE:** 21st April 2023
3. **END DATE:** 21st April 2023
4. **SELECT EVENT THEME:**
 - a) Design Thinking & Critical Thinking
5. **URL of the Event:**
6. **SELECT QUARTER:**
 - a) Quarter III
7. **Brochure:**

The brochure is for a seminar organized by Sri Krishnadevaraya Educational Trust, Sir M. Visvesvaraya Institute of Technology, Department of Biotechnology. The event is held on Friday, 21st April 2023, from 2:00 to 3:30 pm at the BT Seminar Hall, Sir M VIT Campus. The seminar commemorates World Creativity and Innovation Day. The program schedule includes a session with Mr. Srinivas B.V., Managing Director at Aspartika Biotech Ltd., Bengaluru, Karnataka, on the importance of innovation and creativity in HEIs, followed by a felicitation and tea.

SRI KRISHNADEVARAYA EDUCATIONAL TRUST
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(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NBA & NAAC)

Cordially Invites One and All to the
Seminar in Commemoration of World Creativity and Innovation Day
Date : Friday, 21st April 2023, Time: 2.00 to 3.30pm
Venue: BT Seminar Hall, Sir M VIT Campus

Programme Schedule

TIME	RESOURCE PERSON	AFFILIATION	TOPIC
2:00 pm to 3:00 pm	Mr. Srinivas B.V	Managing Director at Aspartika Biotech Ltd. Bengaluru, Karnataka	Importance of Innovation and Creativity in HEIs
3:00 pm to 3:15 pm	Felicitation		
3:15 pm to 3:30 pm	Tea		

EVENT COORDINATORS

Prof. Rakesh S.G. Principal, Sir M VIT Dr. H.G. Nagendra Professor & Head, Dept. of BT Dr. Priya Narayan Professor, Dept. of ET Dr. Jagadeesh Kumar D. Associate Prof., Dept. of BT

PATRONS
Sri Krishnadevaraya Educational Trust
No.16, Ballari Road Sadashivanagara, Bengaluru-560080

8. Description (Total no of words:50)

The World Creativity and Innovation Day was commemorated on 21st April 2023. The Resource person was Mr Shrinivas BV from Aspartika Biotech Pvt Ltd. Mr Shrinivas is also an elite alumnus of Sir MVIT. A talk on importance of innovations and creativity was highlighted during the talk. Interactions with students was very fruitful.

Mr Shrinivas was then felicitated and honored as distinguished alumnus who has contributed immensely towards Entrepreneurship and Innovation.

Participants: 100

Prizes: total cash pool-5,000/-

Sponsored by: Sri KET

Note: One needs to map your event title to any one of these:

- a) Design Thinking & Critical Thinking

