

# **MGOKB EVENT LIST FY 2024-25**

## 1. Activities/ Events

**TABLE 3: LIST OF EVENTS 2024-25**

#	Date	Topic	Venue	Curated By	Resource Personnel	Attendees
<b>April-2024</b>						
1	04-04-2024	Hands-On Workshop to Understand Basics of Bright Field and Fluorescence Microscopy (Batch 2)	MGOKB	Dr. Komal Rana	Dr. Komal Rana	22
2	24-04-2024	Awareness Session on BIRAC BIG 24 <sup>th</sup> CALL	MS Teams	Dr. Clavian	Dr. Nitya Raman	82
3	29-04-2024	Proteomics And Protein Purification Workshop	MGOKB	Dr. Komal Rana	Dr. Debalina Bose	22
4	30-04-2024	Understanding BIRAC's BIG Scheme	MS Teams	Dr. Clavian	Smitha Kale & Shalini Singh	146
5	30-04-2024	Series 2 of our Business Mentor Talk, titled "Unlocking Value: Strategies and Techniques for Estimating Business & Product Value."	MGOKB & MS-TEAMS	Mr. Krishna	Dr. Dasharathraj Shetty & Mr. Shreepathy Rangabhatta	32
<b>May-2024</b>						
#	Date	Topic	Venue	Curated By	Resource Personnel	Attendees
6	10-05-2024	Session on Investment Banking Opportunities	MS teams	Mr. Krishna P Bhat	Mr. Sameer Jain, ABANS Group	35
7	14-05-2024	One on One Mentoring session for DBT BIRAC's BIG 24 Grant Applicants	MGOKB	Dr. Clavian & Mrs. Akshatha Shetty	Dr. Manesh Thomas	15
8	15-05-2024	Grant Writing Session: Biotechnology Ignition Grant	MS-Teams	Dr. Clavian	Team KIIT Incubator	55
9	21 <sup>st</sup> , 22 <sup>nd</sup> , 23 <sup>rd</sup> , 24 <sup>th</sup> May'24	Hands-on workshop on Basics of Animal Cell Culture Techniques	MGOKB	Dr. Komal Rana	Dr. Komal Rana	8
10	28 <sup>th</sup> , 29 <sup>th</sup> , 30 <sup>th</sup> & 31 <sup>st</sup> May'24	Hands-on workshop on Basics of Animal Cell Culture Techniques	MGOKB	Dr. Komal Rana	Dr. Komal Rana	7

**June-2024**

#	Date	Topic	Venue	Curated By	Resource Personnel	Attendees
11	04-06-2024	Hands-on workshop on "Tissue sectioning and Hematoxylin and Eosin staining techniques"	MGOKB	Dr. Komal	Dr. Shiny Jasphin	10
12	12-06-2024	"Continuing professional development program on Scope of Research Innovation & Entrepreneurship in Dental Science".	MEU Hall, MCODS, Mangalore & MS-Teams	Team MCODS, Mangalore	Dr. Manesh Thomas	150
		Scope of Research, Innovation & Entrepreneurship in Dental Sciences			Orientation to Instrumentation Facility at M-GOKB	
13	14-06-2024	Session on "M-GOK Bioincubator support for Dental Innovation & Entrepreneurship" for the Faculty Members of MCODS, Mangalore	MGOKB	Dr. Komal	MGOKB Team	15
14	17-06-2024	Seminar on "Tools & Techniques for Prototyping"	Manipal College of Nursing, Manipal	Team MCON	Dr. Manesh Thomas	20
15	21-06-2024	Talk on "M-GOK Bioincubator support for engineering research Innovation & Entrepreneurship" for the Students of CEC, Mangalore.	MGOKB	Dr. Clavian	Dr. Clavian	52
16	24-06-2024	Mastering Intellectual Property Rights: Essential Insights for Innovators and Startups	MS-Teams	Dr. Clavian	Ms. Archana Joshi	41
17	24-06-2024, 25-06-2024 & 26-06-2024	Hands on workshop on Computer Aided Design (CAD)	MGOKB	Mr. Dheeraj	Mr. Dheeraj	02

**Jul-2024**

#	Date	Topic	Venue	Curated By	Resource Personnel	Attendees
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18	06-07-2024	Technical Talk on "Key to Success in a Start-Up Journey".	MS-Teams	Dr. Komal Rana	Mr. Vijaykumar S	11
19	26-07-2024	Symposium on Scope of Research Innovation and Entrepreneurship in Dental Science	MCODS, Manipal & MS-Teams	Dr. Clavian	Dr. Manesh Thomas	100
		Orientation to the Instrumentation Facility at MGOKB			Dr. Komal Rana	
20	23-07-2024	Hands-on workshop on Basics of Animal Cell Culture Techniques	MGOKB	Dr. Komal Rana	Dr. Komal Rana	05
	24-07-2024					
	25-07-2024					
	26-07-2024					
21	31-07-2024	Business Mentor Talk Series 2 - Mastering Lean Principles for Startup Success.	MS-Teams	Mr. Krishna P Bhat	Mr. Krishna P Bhat	16
<b>Aug-2024</b>						
#	Date	Topic	Venue	Curated By	Resource Personnel	Attendees
22	02-08-2024	Seminar- <b>Introduction to Manipal-GoK Biocubator &amp; its start-up ecosystem.</b>	MMMC, 4A	PSPH Staff	Mr. Krishna Bhat	135
23	21-08-2024	<b>Global Bio- India 2024 Roadshow</b>	Sharada Hall, MCHP & MS-Teams	Dr. Clavian, Dr. Komal, Mr. Dheeraj, Mrs. Akshatha, Mr. Krishna.	Mr. Amit Katiyar, Dr. Lazar Mathew, Dr. Shruthi Acharya, Dr. Manesh Thomas	150
24	23-08-2024	Tech Talk on <b>Personalized &amp; Precision Medicine</b>	Board Room, MGOKB & MS-Teams	Dr. Komal, Mrs. Akshatha & Mr. Krishna	Dr. Sreesha Srinivas	25
25	26-08-2024	Webinar on <b>Unlocking Investment Opportunities: Capital Raising Techniques</b>	MS-Teams	Mr. Krishna Bhat	Mr. Tarun K	35
26	29-08-2024	Webinar on <b>Medical Devices and Diagnostics: Current Trends and Future Directions</b>	MS-Teams	Dr. Clavian M	Dr. Sabine Kapasi	06

27	29-08-2024	<b>Unlocking Innovation: Hands-On Basics of Design for Additive Manufacturing (DFAM) - 1</b>	MGOKB	Mr. Dheeraj Poojary	Mr. Dheeraj Poojary	01
<b>Sep'24</b>						
#	Date	Topic	Venue	Curated By	Resource Personnel	Attendees
28	19-09-2024 (3:00 PM to 4:00 PM)	Introduction To <b>Manipal-Gok Bioincubator and Its Start-Up Ecosystem</b>	MCHP Seminar Hall	Mr. Krishna	Mr. Krishna	25
29	25-09-2024 (3.00 PM - 4:30 PM)	Engineering Innovations in Healthcare: <b>Collaborating with Physicians to Develop Medical Devices.</b> "	MS Teams	Dr. Clavian	Dr. K V Gangadhara n	21
30	28-09-2024 (3.00 PM - 4:30 PM)	Regulatory Talk on " <b>Medical Device Quality Management System</b> ".	MS Teams	Dr. Komal	Mr. Vijaykumar G	18
31	30-09-2024 (9:00 AM to 6:00 PM)	Hands-On Workshop to <b>Explore the Basics Of UV-Visible, Fluorescence, Infrared Spectroscopy</b>	MGOKB	Dr. Komal	Dr. Komal	09
<b>Oct'24</b>						
#	Date	Topic	Venue	Curated By	Resource Personnel	Attendees
32	05-10-2024 02:30 PM – 04:30 PM	"Symposium on Scope of Research Innovation and Entrepreneurship in Pharmaceutical Sciences".	MCOPS	Dr. Komal Rana & MCOPS Office	Dr. Manesh Thomas	74
					Dr. Komal Rana	
34	21-10-2024	Business Model Canvas: Talk by Ms. Aparajita Prasad	MGOKB	KMC, Manipal & Krishna P Bhat	Dr. Aparajitha Prasad	40
35	22-10-2024 (9.15 am – 9.30 am)	Introduction- Euphoria 9.0 - Manipal Biotech Hackathon 2024	MS-TEAMS	Dr. Clavian	Dr. Clavian	107 Teams
	22-10-2024 (9.30 AM – 10:15 AM)	Talk on "Innovation, Entrepreneurship & Development of Project Plan"			Dr. Manesh Thomas	

	22-10-2024 (10:15 am – 11:00 AM)	Protection of Intellectual Property Rights and its Significance in the Journey of Innovation and Creative Entrepreneurship			Dr. Sanjib Kr Paul	
	22-10-2024 (11:00 AM – 11:45 AM)	Talk on “Stem Cell Product Development in India- Recent Advances”			Dr. Samantha Bhat	
	22-10-2024 (11:45 AM – 12:15 PM)	Clarity on Rules and regulations			Dr. Komal Rana	
36	25-10-2024 10:00 AM – 11:00 AM	“Diversification of Research Income - Insights into the Australian Ecosystem”	MS Teams	Dept. Of Biotech, MIT & MGOKB	Prof.Derek Richard	26
37	30.10.2024 5.00 PM - 7:00 PM	Precision in Practice: Hands-On Workshop for Laser Cutting and Engraving.	MGOKB	Dheeraj Poojary	Dheeraj Poojary	04

Nov'24						
#	Date	Topic	Venue	Curated By	Resource Personnel	Attendees
38	05-11-2024	A Workshop on “Skill development into wet lab applications via hands-on workshop to learn the basics of handling cryogenic fluid, rotary flash evaporator & vacuum concentrator”	MGOKB	Dr. Komal Rana	Dr. Komal Rana	12
39	06-11-2024	Manipal Biotech Hackathon 2024 - Grand Finale	MGOKB	MGOKB Team		108 Teams
40	23-11-2024	Symposium – “Scope of innovation and entrepreneurship in the field of medical technology and allied health sciences”	Auditorium, SIDS Mukka, Mangaluru	Dr. Komal Rana	Dr. Manesh Thomas Dr. Komal Rana	408
Dec'24						
#	Date	Topic	Venue	Curated By	Resource Personnel	Attendees
41	02-12-2024	"Startup Synergy: Connecting with Ms. Parnika Pawanram KAS"	Sharada Hall, MCHP, Manipal	Team MGOKB	Ms. Parnika Pawanram	82

42	04-12-2024	One day demonstration cum workshop on Particle Analyzer: Litesizer DLS from Anton Paar	MGOKB	Dr. Komal Rana	Dr. Kapil Joshi	11
43	06-12-2024 to 10-12-2024	Skill Development into Wet Lab Expertise: Basics of Animal Cell Culture Techniques	MGOKB	Dr. Komal Rana	Dr. Komal Rana	03
44	01-12-2024 to 13-12-2024	Workshop on Skill Development in Wet Lab Techniques: Basics of Microbiology	MGOKB	Dr. Komal Rana	Mrs. Akshatha Shetty	03
45	27-12-2024	Talk on Non-Disclosure Agreements (NDAs) and Material Transfer Agreements (MTAs)	MS-Teams	Dr. Clavian	Ms. Archana Joshi	26
46	27-12-2024	Workshop "From Vision to Creation: Master 3D Scanning & Prototyping"	MGOKB	Mr. Dheeraj Poojary	Mr. Dheeraj Poojary	01
<b>Jan'25</b>						
#	Date	Topic	Venue	Curated By	Resource Personnel	Attendees
47	15-01-2025 03:00 PM - 04:00 PM	Technical talk on "Advance your single-cell Omics research for Organoids and tissue cell-line establishment"	MS-Teams	Dr. Komal Rana	Dr. Manjunath Siddaramaiah	24
48	16-01-2025 10:00 AM to 11:00 AM	Innovate & Elevate: Celebrating National Start-Up Day with Inspiring Seminar – General Addressing	MS-Teams & Dept. Biotechnology-MIT, MAHE.	Dr. Clavian	Dr. Jitendra Kumar, MD, BIRAC	75
49	16-01-2025 2:30 PM to 3:30 PM	Innovate & Elevate: Celebrating National Start-Up Day with Inspiring Seminar – Exploring Business and Career Opportunities in Sustainability & Innovation	MSAP Seminar Hall	Mr. Krishna & Mrs. Akshatha	Dr. Vishnu A	155
50	24-01-2025 3:30 PM to 4:30 PM	Session on "Managing Startup Finances"	MS-Teams	Dr. Clavian	CA Shwetha S V	25
51	30-01-2025 5:00 PM - 7:00 PM	Hands-on workshop "Powder to Perfection: SLS Mastery with Sinterit Lisa" on Selective Laser Sintering (SLS)	MGOKB	Mr. Dheeraj	Mr. Dheeraj	3
52	30-01-2025 11:30 AM – 12:30 PM	Talk on "Pharmaceutical Manufacturing, Operations, cGMP Systems & Regulatory Challenges"	MS-Teams & MGOKB	Dr. Komal Rana	Dr. Girish Pai	60
<b>Feb'25</b>						
#	Date	Topic	Venue	Curated By	Resource Personnel	Attendees
53	03-02-2025	Euphoria 10.0 - Manipal BioPharma Hackathon 2025	MS-TEAMS & MGOKB	Dr. Komal & Dr. Clavian	Dr. Manesh Thomas	55

		Talk on "Innovation, Entrepreneurship, and Development of Project Plan"				
		Talk on "Technological advancement in organ targeted Oligonucleotide (siRNA/ASO)"			Dr. Abhijeet Pandey	
		Talk on "Protection of Intellectual Property Rights and its Significance in the Journey of Innovation and Entrepreneurship"			Dr. S Varadharajan	
		Clarity on Rules and regulations			Dr. Clavian M	
54	18-02-2025	Prize Distribution Ceremony of the Manipal Biotech Hackathon 2024.	Conference Hall, EDU Building, MAHE & MS-Teams	Dr. Komal & Dr. Clavian	-	35
55	22-02-2025	"Hands-on workshop on R programming for Data Analytics - 01 Credit for MAHE candidates"	MS-Teams	Dr. Komal	Dr. Vani Lakshmi	01
56	25-02-2025	Manipal Biopharma Hackathon Grand Finale	MS-Teams	Team MGOKB	Jury Panel	68 Teams
<b>Mar'25</b>						
#	Date	Topic	Venue	Curated By	Resource Personnel	Attendees
57	01-03-2025	Euphoria 11.0 – <b>Manipal Medtech Hackathon 2025</b>	MS-TEAMS & MGOKB	Dr. Komal & Dr. Clavian	-	60
		EUPHORIA 7.0 - Talk on "Innovation, Entrepreneurship and Development of Project Plan"			Dr. Manesh Thomas	
		Talk on "Medtech Case Studies: Commercialization and Investor Perspective"			Mr. Navaneeth KS	
		Talk on "Entrepreneurship Opportunities and Current Trends in the MedTech Sector"			Dr. Khyati Verma	
		Clarity on Rules and regulations			Dr. Komal Rana	
58	08-03-2025	Breaking Barriers, Building Futures: A Women's Day Special - The Multifaceted Woman: Managing Family, Business & Self. Pivoting Life-science Innovative Research to Build Startups and the Role of IP	MS-Teams	Mr. Krishna Bhat & Dr. Komal Rana	Dr. Sarika Gupta & Mrs. Supriya Kamath	35

59	22-03-2025	Manipal MedTech Hackathon Grand Finale	MS-Teams	Team MGOKB	Jury Panel	114 Teams
60	28-03-2025	Faculty Development Program on Innovation & Entrepreneurship	Sahyadri College, Mangalore	IIC Team	-	150
		Talk on "Intellectual property for Start-Ups"			Adv. Pranav Bhat	
		Talk on "Innovation Management & Action Plan Development"			Dr. Manesh Thomas	
		Talk on "Sharing Actions Plans & Feedback"			Mr. Dheeraj Poojary	
61	29-03-2025	Business Webinar on – <b>"Efficiency Meets Innovation: Lean Principles for Startups"</b>	MS-Teams	Mr. Krishna	Mr. Krishna P Bhat	35
62	28 <sup>th</sup> & 29 <sup>th</sup> Mar'25	<b>AETHERION 2025</b> – Code Beyond Time, Create Beyond Reality !!	Canara Engg College	Dr. Clavian	Jury Panel	70 Teams

**Event: Awareness Session on BIRAC BIG 24th Call**

**Date:** 24 April 2024 (Wednesday)

**Speaker:** Dr. Nitya Raman, Senior Program Manager – C-CAMP, Bengaluru

Manipal-GoK Bioincubator – BioNEST, in collaboration with C-CAMP, hosted a focused session to guide innovators on applying for BIRAC’s prestigious BIG 24th Call. Dr. Raman shared insights on funding opportunities across biotech domains including health sciences, agriculture, clean energy, and waste management. The session emphasized BIRAC’s support for interdisciplinary proposals integrating biotech with applied sciences. Held from 3:00 PM to 3:40 PM, the event offered actionable strategies for researchers and entrepreneurs. This initiative reaffirmed Manipal-GoK Bioincubator’s role in nurturing impactful biotech innovation.



A poster for an awareness session on BIRAC BIG 24th Call. The poster features logos for K-tech, MANIPAL-GOK BIOINCUBATOR, BioNEST, and STARTUP KARNATAKA. The main text reads: "AWARENESS SESSION ON BIRAC BIG 24th CALL Funding Assistance of Grant in Aid Upto 50 Lakhs For Innovative Ideas with Strong Commercial Potential". It includes the date "April 24th, 2024" and time "03.00 PM". A QR code is provided for registration with the URL "https://tinyurl.com/2th4nb8j". A photo of Dr. Nitya Raman is shown with her name and title: "Dr. NITYA RAMAN Senior Program Manager Early Stage Entrepreneurship and Funding C-CAMP, Bengaluru, Karnataka, India".

**Event: Business Mentorship Series – "Unlocking Value: Strategies & Techniques for Estimating Business & Product Value"**

**Date:** 30 April 2024 (Tuesday) **Speakers:** Dr. Dasharathraj K Shetty & Shreepathy Ranga Bhatta B

Manipal-GoK Bioincubator hosted a dynamic mentorship session focused on business and product valuation strategies. Dr. Shetty and Mr. Bhatta delivered a compelling masterclass, blending theory with actionable techniques for estimating value. Participants explored market dynamics, valuation frameworks, and real-world case applications. The session concluded with an engaging Q&A, sparking deeper dialogue and personalized insights. This initiative reflects Manipal-GoK Bioincubator’s commitment to empowering innovators with strategic business acumen.

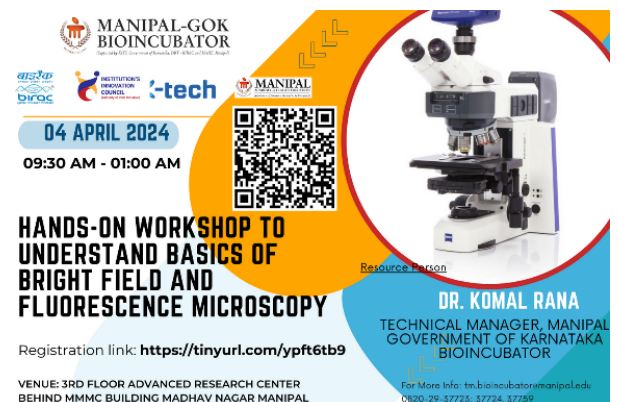


A poster for a business mentorship series. It features logos for K-tech, MANIPAL-GOK BIOINCUBATOR, STARTUP KARNATAKA, and INSTITUTIONS INNOVATION COUNCIL. The main text reads: "BUSINESS MENTORSHIP SERIES-2 UNLOCKING VALUE: STRATEGIES & TECHNIQUES FOR ESTIMATING BUSINESS & PRODUCT VALUE". It includes the date "30-04-2024 (TUESDAY)" and time "3:00 PM TO 4:00 PM". A QR code is provided for registration with the URL "https://tinyurl.com/27778Z2P". A photo of Dr. Dasharathraj Shetty is shown with his name and title: "SPEAKER: DR. DASHARATHARAJ SHETTY MANAGING DIRECTOR GANGJIA TECHNOLOGIES PRIVATE LIMITED".

**Event: Hands-On Workshop – Basics of Bright Field & Fluorescence**

**Microscopy** **Date:** 26 March 2024 (Tuesday) **Time:** 09:30 AM – 01:00 PM **Resource Person:** Dr. Komal Rana, Technical Manager, Manipal-GoK Bioincubator, MAHE

Manipal-GoK Bioincubator – BioNEST hosted an immersive microscopy workshop to introduce participants to bright field and fluorescence imaging techniques. Using the Carl Zeiss AXIOSCOPE 5 upright microscope, attendees explored cell visualization through both theory and hands-on practice. The session catered to students, researchers, and innovators eager to gain foundational skills in advanced microscopy.



A poster for a hands-on workshop. It features logos for MANIPAL-GOK BIOINCUBATOR, K-tech, and INSTITUTIONS INNOVATION COUNCIL. The main text reads: "HANDS-ON WORKSHOP TO UNDERSTAND BASICS OF BRIGHT FIELD AND FLUORESCENCE MICROSCOPY". It includes the date "04 APRIL 2024" and time "09:30 AM - 01:00 AM". A QR code is provided for registration with the URL "https://tinyurl.com/ypt6t6b9". A photo of Dr. Komal Rana is shown with his name and title: "DR. KOMAL RANA TECHNICAL MANAGER, MANIPAL GOVERNMENT OF KARNATAKA BIOINCUBATOR".

**Event Report: Hands-On Workshop on Computer Aided Design (CAD)**

**Dates:** 24–26 June 2024 🕒 **Time:** 5:00 PM – 6:30 PM

**Resource Person:** Dheeraj Poojary, Technical Manager, Manipal-GoK Bioincubator–BioNEST

**Venue:** On-site at Manipal Government of Karnataka Bioincubator, 1st Floor Advanced Research Building, MAHE

Manipal-GoK Bioincubator–BioNEST successfully conducted a three-day hands-on workshop on Computer Aided Design (CAD), equipping participants with foundational design skills. Led by Dheeraj Poojary, the sessions provided students, researchers, and entrepreneurs with practical exposure to CAD tools for product visualization and prototyping. The workshop blended theory with real-time exercises, fostering confidence in digital design workflows. This initiative reflected the Bioincubator’s ongoing commitment to skill-building and innovation enablement within the startup and academic ecosystem.

The poster features logos for INNOVATE KARNATAKA, STARTUP KARNATAKA, MANIPAL-GOK BIOINCUBATOR, MANIPAL, K-tech, and Bio-NEST. The main title is "Hands on workshop on Computer Aided Design(CAD)". It lists dates as 24.06.2024, 25.06.2024 & 26.06.2024, and time as 5.00 PM to 6.30 PM. The resource person is Mr. Dheeraj Poojary, Technical Manager at Manipal-GoK Bioincubator BioNEST, MAHE. The venue is on-site at M-GoK Bioincubator-BioNEST, 1st floor Advanced Research Center, MAHE. Registration is open until 23.06.2024, 5.00PM. A QR code and registration link (https://tinyurl.com/mr5rkuz3) are provided.

**Event Report: Webinar on Mastering Intellectual Property Rights**

**Date:** 24 June 2024, **Time:** 3:00 PM – 4:30 PM

**Resource Person:** Ms. Archana Joshi, Associate Manager, TechEx Services – Venture Centre, **Platform:** MS Teams

Ms. Archana Joshi covered patents, copyrights, trademarks, and trade secrets with startup-focused insights. Participants gained practical tools to protect innovations and build effective IP strategies. The session reinforced the Bioincubator’s role in empowering innovators through legal and strategic guidance.

The poster features logos for K-tech, MANIPAL-GOK BIOINCUBATOR, MANIPAL, and STARTUP KARNATAKA. The title is "Mastering Intellectual Property Rights: Essential Insights for Innovators and Startups". It is scheduled for 24th June, 2024, at 03.00 PM on MS Teams. The resource person is Ms. Archana Joshi, Associate Manager, TechEx Services at Venture Center. A QR code and registration link (https://tinyurl.com/5u6mhyza2) are provided.

**Event Report: Business Mentor Talk Series 2 – Mastering Lean Principles**

**for Startup Success, Date:** 31 July 2024 (Wednesday) **Time:** 5:00 PM ,

**Speaker:** Mr. Krishna P Bhat, Operations Manager, Manipal-GoK

**Bioincubator Platform:** MS Teams

Mr. Krishna P Bhat shared practical insights into lean methodologies to help startups boost efficiency and innovation. Participants explored tools to reduce waste, accelerate growth, and build resilient business models. The session reinforced the Bioincubator’s commitment to strategic thinking and operational excellence.

The poster features logos for MANIPAL-GOK BIOINCUBATOR, K-tech, and STARTUP KARNATAKA. The title is "BUSINESS WEBINAR ON MASTERING LEAN PRINCIPLES FOR STARTUP SUCCESS". It is scheduled for 31st July, 2024, at 05.00 PM on MS Teams. The resource person is Mr. Krishna P Bhat, Operations Manager-MGOKB. A QR code and registration link (https://tinyurl.com/48dryswf) are provided.

## Event Report: Roadshow – Powering India’s Growth Through Bioeconomy

**Date:** 21 August 2024 (Wednesday) **Time:** 11:00 AM – 12:30 PM **Venue:** Sharada Hall, MCHP, MAHE, Manipal

**Speakers:** Dr. T. Lazar Mathew, Dr. Shruthi Acharya, Mr. Amit Katiyar

Manipal-GoK Bioincubator, in collaboration with BIRAC, DBT, and DST-HUB MIDAS, hosted a roadshow to promote BIRAC Global Bio-India 2024. Expert talks on biotech innovation, medical devices, and entrepreneurship offered valuable insights into India’s bioeconomy. The event enabled direct engagement with BIRAC and reinforced the Bioincubator’s role in ecosystem building.

**Global Bio-India 2024 Roadshow**

- Gain insights from industry leaders on healthcare and life sciences Innovation.
- Explore opportunities and trends in the biotech startup ecosystem.
- Learn about BIRAC’s funding and support programs for biotech entrepreneurship.

**GUEST SPEAKERS**

- Dr. Shruthi Acharya**  
Co founder  
Eikona X Innovative Solutions Pvt. Ltd
- Mr. Amit Katiyar**  
Chief Manager (IP & Technology Transfer)  
BIRAC, New Delhi

**KEY SPEAKER**

- Dr. T. Lazar Mathew**  
Senior Advisor, DST HUB  
(Medical Instruments  
Devices and Allied Services -  
MIDAS) MAHE

**21 AUGUST 2024**

**11:00 AM - 12:30 PM**

**Hybrid**  
In-person at Sharada Hall, MCHP, MAHE and Online on MS Teams

0820 - 2937759, 9620390078

bioincubator.manipal.edu  
bm.bioincubator@manipal.edu



On **17 September 2024**, Manipal-GoK Bioincubator delivered an engaging session titled **“Introduction to the Start-Up Ecosystem”** for final-year students of **Occupational Therapy at MCHP MAHE**. Led by Mr. Krishna P Bhat, the session covered key aspects of innovation, collaboration, and entrepreneurship in healthcare and data science. Students actively participated, sharing their aspirations and exploring incubation opportunities. The event highlighted the Bioincubator’s commitment to nurturing future entrepreneurs through knowledge exchange and ecosystem exposure.

**MANIPAL-GOK BIOINCUBATOR**  
(Supported by KITS, Government of Karnataka, IITK - BIRAC, and MAHE, Manipal)

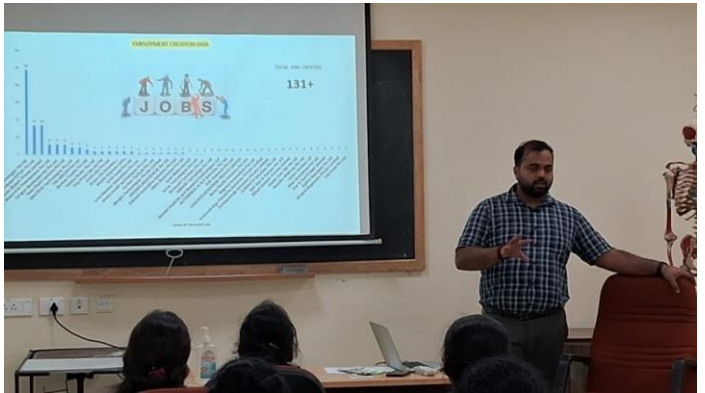
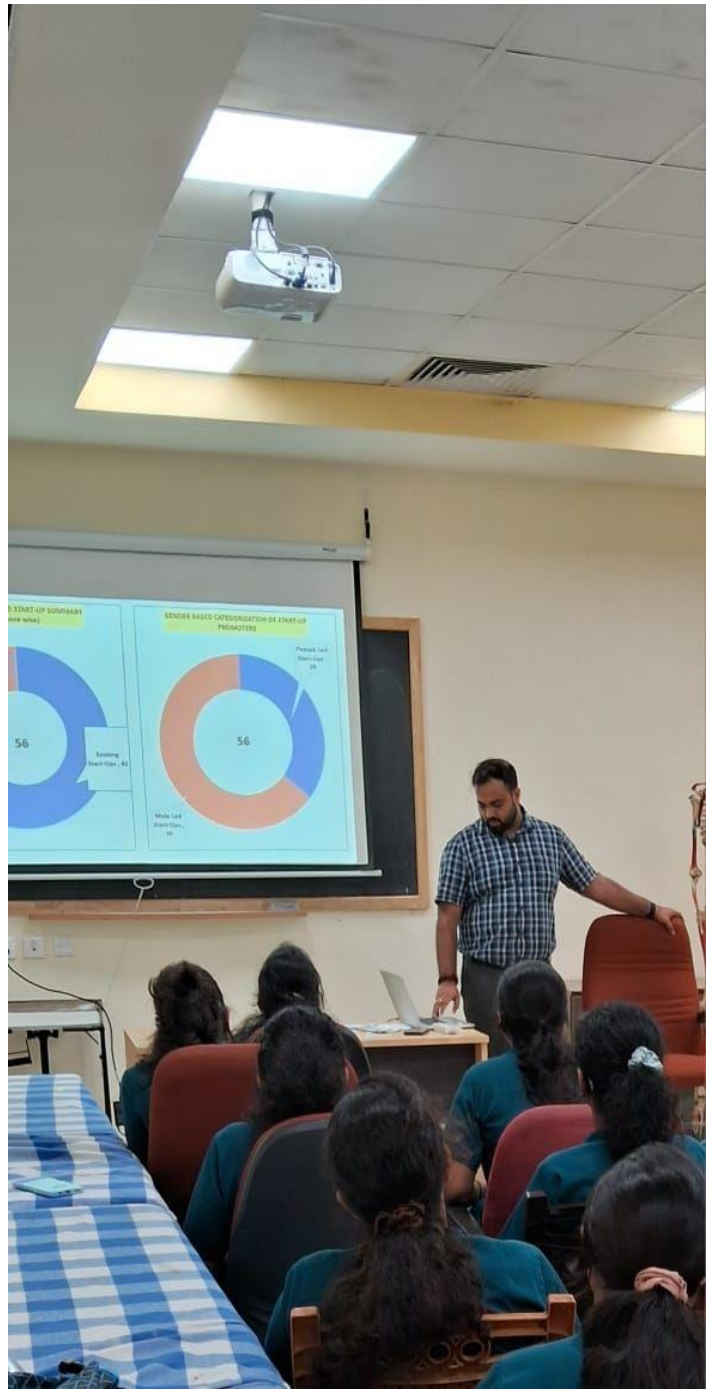
**ORIENTATION PROGRAM- OCCUPATIONAL THERAPY STUDENTS FROM MCHP, MANIPAL**

**INTRODUCTION TO MANIPAL-GOK BIOINCUBATOR AND ITS START-UP ECOSYSTEM**

**17 SEPT, 2024**  
**2:30 PM - 3:30 PM**

**MR. KRISHNA P BHAT**  
OPERATIONS MANAGER, MANIPAL GOVERNMENT OF KARNATAKA BIOINCUBATOR- BIONEST, ADVANCE RESEARCH CENTER, MADHAV NAGAR MANIPAL

**VENUE:**  
**.BOARD ROOM, 3RD Floor MCHP, MAHE, Manipal**



## Event Report: Hands-On Workshop on UV-Visible, Fluorescence & Infrared Spectroscopy

Date: 30 September 2024

Venue: Manipal-GoK Bioincubator – BioNEST

Resource Person: Dr. Komal Rana, Technical Manager, Manipal-GoK Bioincubator

Manipal-GoK Bioincubator–BioNEST successfully hosted a one-day hands-on workshop focused on the fundamentals of UV-visible, fluorescence, and infrared spectroscopy. Led by **Dr. Komal Rana**, the session provided students, researchers, and entrepreneurs with practical exposure to biochemical estimation techniques. Participants engaged in diverse applications including nucleic acid and protein quantification, kit-based assays, infrared analysis of biological samples, and refractive/colour spectrum studies. The workshop fostered scientific curiosity and hands-on learning, reinforcing the Bioincubator's commitment to experiential education and innovation in biosciences.



**MANIPAL-GOK BIOINCUBATOR**  
Approved by DST, Government of Karnataka, DST, BRIC and IRIS, Bangalore

**HANDS-ON WORKSHOP TO EXPLORE THE BASICS OF UV-VISIBLE, FLUORESCENCE, INFRARED SPECTROSCOPY**

**30 SEPT, 2024**  
**09:00 AM TO 06:00 PM**

**INSTRUMENTS**  
MULTIMODE MULTIPLATE READER, ATR FT-IR, X-RAY PROFILOMETER, DOUBLE BEAM UV-VISIBLE SPECTROPHOTOMETER, REFRACTOMETER

**Resource Person**  
**DR. KOMAL RANA**  
TECHNICAL MANAGER MANIPAL GOK BIOINCUBATOR

**Registration link:** <https://tinyurl.com/mpcd6xda>

VENUE: 3RD FLOOR ADVANCED RESEARCH CENTER BEHIND MMC BUILDING MADHAV NAGAR MANIPAL  
For More Info: [incubator@manipal.edu](mailto:incubator@manipal.edu)  
9820-27-97729 / 99121/99



## Event Report – Manipal BioTech Hackathon 2024

Event Duration: October 22 – November 6, 2024

Format: Virtual

Theme: *Biotechnology*

Manipal-GoK Bioincubator–BioNEST, in collaboration with key academic and research departments at MAHE, proudly launched the **Manipal BioTech Hackathon 2024**, a virtual innovation sprint aimed at solving critical challenges in the biotechnology domain.

The hackathon was designed to foster **student-led innovation**, promote **startup creation**, and cultivate **critical thinking** among aspiring researchers and entrepreneurs. Participants were encouraged to tackle real-world biotech problems through interdisciplinary collaboration and creative problem-solving.

**Eligibility & Participation:** Open to UG, PG, and Doctoral students from any academic or research institution, Team size: 2–5 members, Optional mentorship encouraged, Registration fee: ₹1000 per team

**Key Milestones: Registration Deadline:** October 20, 2024, 6:00 p.m., **Formal Inauguration – Euphoria 9.0:** October 22, 2024, 9:15 a.m., **Final Pitch Presentation:** November 6, 2024.

The event witnessed enthusiastic participation from student innovators across institutions, with teams presenting novel biotech solutions ranging from diagnostics and therapeutics to sustainable bioengineering and digital health.

By providing access to expert mentorship, networking opportunities, and incubation pathways, the hackathon served as a launchpad for future-ready biotech ventures.

The poster for the Manipal BioTech Hackathon 2024 features a yellow and blue color scheme. At the top, it lists the organizing institutions: STARTUP KARNATAKA K-tech, MANIPAL-GOK BIOINCUBATOR, BIRAC, Bio-NEST, and MANIPAL ACADEMY OF HIGHER EDUCATION. The central text reads "MANIPAL BIOTECH HACKATHON 2024" with the tagline "Empowering Biotech Visionaries to Transform Tomorrow!". A large QR code is prominently displayed with the text "REGISTER NOW". To the right, a flowchart outlines the process: "Register" -> "Pick Any Real World Biotech Problem" -> "Brainstrom for Ideas" -> "Present & Win Prizes". Prizes are listed as "INR 50,000/-" for the first place, "INR 15,000/-" for the second, and "INR 25,000/-" for the third. The bottom section provides contact information for the Manipal School of Life Sciences and Manipal Institute of Technology, including email addresses and phone numbers.



**Event Report – Manipal MedTech Hackathon 2025**  
**Date Range: March 1 – March 25, 2025, Format: Virtual**

Manipal-GoK Bioincubator–BioNEST, in collaboration with its Student Entrepreneurship Cell, Kasturba Medical College (KMC) Manipal and Mangalore, and Manipal College of Dental Sciences (MCODS) Manipal and Mangalore, organized the Manipal MedTech Hackathon 2025. This virtual event aimed to address key challenges in the medical technology space while promoting student-led innovation and entrepreneurial thinking.

Open to UG, PG, and doctoral students from academic and research institutions, the hackathon encouraged team participation (2–5 members) with optional mentorship. The registration fee was ₹1000 per team, with the deadline set for February 28, 2025.

The formal inauguration, Euphoria 11.0, was held on March 1, followed by weeks of ideation and collaboration. The event culminated in the Final Pitch Presentation on March 25, where participants showcased impactful MedTech solutions. The hackathon fostered interdisciplinary engagement and laid the foundation for future-ready healthcare innovations. We look forward to supporting the next wave of MedTech changemakers.

**STARTUP K-tech** | **MANIPAL-GOK BIOINCUBATOR** | **BIRAC Bio-NEST** | **MANIPAL ACADEMY OF HIGHER EDUCATION**

# MANIPAL MEDTECH HACKATHON 2025

*"Empowering Minds to Revolutionize Healthcare"*

**Jointly Organized by**  
 Manipal Government of Karnataka Bioincubator – BioNEST  
 Kasturba Medical College (KMC) Manipal and Mangalore  
 Manipal College of Medical Sciences (MCOOS) Manipal and Mangalore

**Supported by**  
 K-Tech Karnataka Innovation & Technology Society  
 Biotechnology Industry Research Assistance Council (BIRAC)  
 Manipal Academy of Higher Education (MAHE)  
 Student Entrepreneurship Cell – Manipal GoK Bioincubator

**REGISTER NOW**

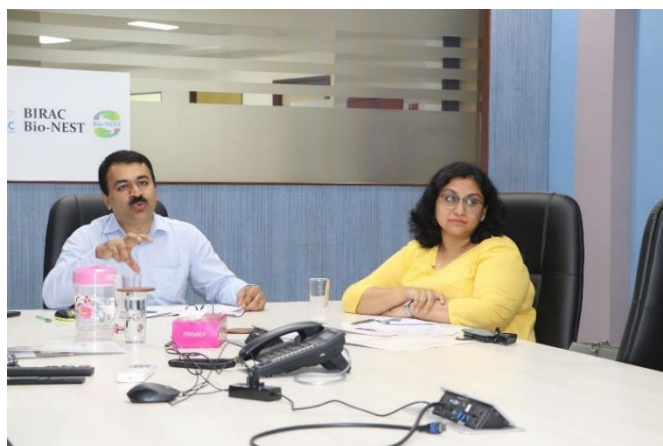
**Register**  
**Pick Any Real World MedTech Problem**  
**Brainstorm for Ideas**  
**Present & Win Prizes**

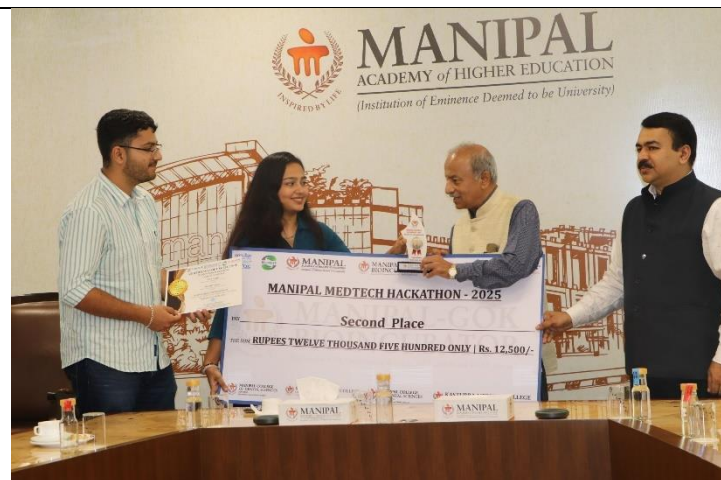
INR 50,000/-  
 INR 25,000/-  
 INR 15,000/-

**Last Date for Registration**  
**February 28 (Friday), 2025**  
**by 6.00 PM**

For more details contact:  
 bm.bioincubator@manipal.edu / bioincubator@manipal.edu  
 0830-2657723 / 844 656 235 / 8  
 9630380078 / 828380738 / 7970260963 / 8830202860

**MANIPAL COLLEGE OF DENTAL SCIENCES** | **KASTURBA MEDICAL COLLEGE** | **MANIPAL COLLEGE OF DENTAL SCIENCES** | **KASTURBA MEDICAL COLLEGE**





## Event Report – Manipal BioPharma Hackathon 2025

Date Range: February 3 – February 25, 2025,

Format: Online

Manipal-GoK Biocubator–BioNEST, in collaboration with its Student Entrepreneurship Cell and **Manipal College of Pharmaceutical Sciences (MCOPS)**, organized the **Manipal BioPharma Hackathon 2025**, a virtual event focused on solving critical challenges in the Pharma and BioPharma domains.

The hackathon aimed to promote student innovation, startup creation, and critical thinking. Open to UG, PG, and doctoral students from academic and research institutions, teams of 2 to 5 members participated, with optional mentorship. The registration fee was ₹1000 per team, and the deadline was February 1, 2025.

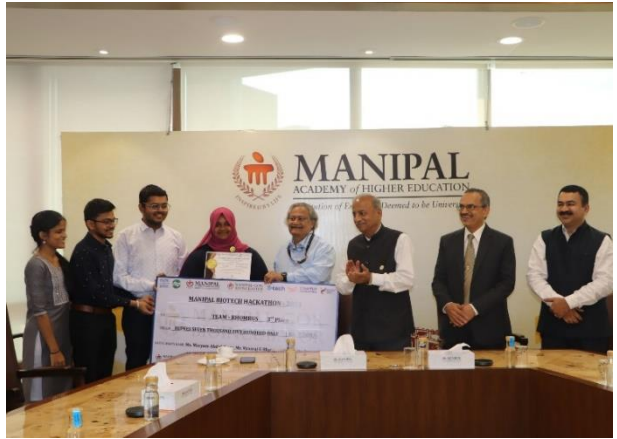
The formal inauguration, **Euphoria 10.0**, took place on February 3, followed by weeks of ideation and collaboration. The event concluded with the **Final Pitch Presentation** on February 25, where participants showcased impactful solutions in drug development, biotherapeutics, and pharmaceutical technology.

The hackathon successfully fostered interdisciplinary engagement and highlighted the potential of young innovators in shaping the future of BioPharma.



The poster for the Manipal BioPharma Hackathon 2025 features logos for Startup Karnataka, K-tech, Manipal-GoK Biocubator, BioNEST, and Manipal College of Pharmaceutical Sciences. The central text reads "MANIPAL BIOPHARMA HACKATHON 2025" with the tagline "Transforming Challenges into Cures: The BioPharma Innovation Destination!". It lists the organizers: Manipal Government of Karnataka Biocubator - BioNEST and Manipal College of Pharmaceutical Sciences (MCOPS), MAHE, Manipal. The event is supported by K-Tech, Biotechnology Industry Research Assistance Council (BIRAC), Manipal Academy of Higher Education (MAHE), and the Student Entrepreneurship Cell. A QR code is provided for registration, with a "REGISTER NOW" button. The registration fee is ₹1000. Prizes are listed as ₹50,000 for 1st place, ₹25,000 for 2nd place, and ₹15,000 for 3rd place. The last date for registration is February 01 (Saturday), 2025, by 6:00 PM. Contact information for the biocubator is provided at the bottom.





**Event Report – Hands-on Histology Training Program**

**Event Dates: 25–27 January 2025**

**Venue: Manipal-GoK Bioincubator–BioNEST**

Manipal-GoK Bioincubator–BioNEST was proud to host a three-day Hands-on Histology Training Program and Workshop, led by Dr. Shiny Jasphin, Co-Founder of AARAY HEALTH SOLUTIONS. The event welcomed students and faculty from Sri Ramakrishna Institute of Paramedical Sciences, College of Pharmacy (Inst. Code-030), offering a rich learning experience in tissue and cell microscopy. Participants received practical training in tissue preparation, staining techniques, and microscopy, gaining valuable insights into histological methods under expert guidance. Dr. Jasphin’s mentorship bridged theory with hands-on lab experience, sparking curiosity and skill-building.

The workshop also encouraged peer learning and highlighted career pathways in diagnostics and life sciences. We thank all contributors for making this event a success and look forward to hosting more such impactful programs.



**Event Report – Ideathon Competition, 16th Asian Congress of Oral & Maxillofacial Surgery (ACOMS), Chennai**

**Date Range: July 2024**

**Format: Hybrid**

Manipal-GoK Bioincubator organised an Ideathon Competition at the 16th Asian Congress of Oral & Maxillofacial Surgery (ACOMS) in Chennai for Students, researchers, and Faculty Members was a resounding success!!

The aim of this joint initiative was to identify innovative solutions for oral healthcare challenges and to create a dynamic platform for students, researchers, and entrepreneurs to develop creative ideas by leveraging their expertise. This collaboration offered participants a unique opportunity wherein oral healthcare combined with Manipal-GoK Bioincubator's entrepreneurial ecosystem would create a synergistic environment for innovation.

The competition involved idea submission, pitching, and judging. The winning ideas (1st and 2nd Prizes) received Cash prizes of 6k and 4k and mentorship for product development. This program was successfully conducted with the participation of 14 teams who pitched their ideas before the Jury of Bioincubator and Dr. Joanna Baptist, Associate Professor, Oral and Maxillofacial Surgery, MCODS Mangalore, and Dr. Ravikiran Ongle, Professor and Head Oral Medicine, Radiology, MCODS Mangalore who are Members of ACOMS and were key speakers at the event.

Conducting Ideathon at the ACOMS conference aligns with the strategic goals of Manipal GoK Bioincubator. This initiative will not only promote innovation but also strengthen our partnership within the ACOMS community.



## Event Report – National Startup Day 2025

Event Date: 16 January 2025

Venue: MSAP Seminar Hall, MAHE, Manipal.

To celebrate **National Startup Day 2025**, Manipal-GoK Bioincubator–BioNEST partnered with the **Manipal School of Commerce and Economics, MAHE**, to host an inspiring session honoring India’s entrepreneurial spirit and innovation-driven future.

We were privileged to welcome **Dr. Vishnu Sharma Atikukke**, Founder & CTO of **Aapavani** and **Replastiko**, who delivered a thought-provoking talk on *“Exploring Business and Career Opportunities in Sustainability & Innovation.”* Drawing from his expertise in environmental engineering and startup leadership, Dr. Sharma encouraged attendees to embrace purpose-driven innovation and think beyond conventional career paths.

The session sparked meaningful dialogue among students and aspiring entrepreneurs, reinforcing the importance of sustainability in business and India’s journey toward a self-reliant future. Dr. Sharma also shared insights into circular economy models, climate-conscious entrepreneurship, and the role of technology in driving scalable impact.

Participants engaged actively in the Q&A segment, raising questions on funding, market entry, and building green ventures. The event served as a platform to connect academic curiosity with real-world entrepreneurial challenges.

We thank **Dr. Vishnu Sharma Atikukke** and all participants for making the event impactful and look forward to more such engagements that empower changemakers and foster inclusive innovation.



## Event Report – National Startup Day 2025

Event Date: 16 January 2025

Venue: DAMP, MAHE, Manipal.

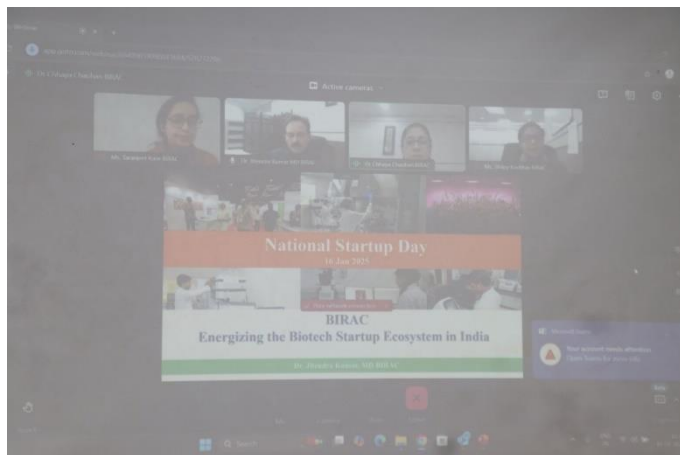
To commemorate **National Startup Day**, marking the anniversary of the **Startup India** initiative launched in 2016, Manipal-Gok Bioincubator–BioNEST partnered with the **Department of Biotechnology, Manipal Institute of Technology** to host a special event celebrating innovation, resilience, and entrepreneurial spirit.

The session featured a keynote address by **Dr. Jitendra Kumar**, Managing Director of **Biotechnology Industry Research Assistance Council (BIRAC)**. Addressing BioNEST Centres and biotech stakeholders virtually, Dr. Kumar shared insights on emerging innovation trends, entrepreneurship opportunities, and key funding programs including **BIRAC BIG**, **E-YUVA**, and **SPARSH**. He also introduced the **BIOE3 policy** and **BIO-ENABLER** program, aimed at strengthening biomanufacturing capabilities across India.

Dr. Kumar emphasized the importance of inclusive innovation and regional capacity-building, encouraging startups from Tier 2 and Tier 3 cities to actively engage with national platforms. His address also highlighted BIRAC's role in catalyzing biotech entrepreneurship and supporting early-stage ventures through structured mentorship and funding.

The event highlighted the startup journey through five essential phases—**Research, Create, Promote, Analyze, and Optimize**—underscoring the transformative power of ideas and execution. Participants engaged in thoughtful dialogue around sustainability, scalability, and collaborative growth.

It was a powerful reminder of India's growing innovation ecosystem and the collective drive to build a self-reliant, globally competitive nation. We thank **Dr. Jitendra Kumar** and all participants for making this celebration impactful. Here's to dreaming big and empowering the entrepreneurial spirit!



## Event Report – Hands-on Workshop on Wet Lab Expertise: Basics of Microbiology

Event Date: 12 December 2024

Venue: Manipal-GoK Bioincubator–BioNEST

Manipal-GoK Bioincubator–BioNEST conducted a hands-on workshop titled “*Wet Lab Expertise: Basics of Microbiology*”, welcoming participants from **WGSMA Manipal** for immersive training in culturing anaerobic bacterial strains.

Led by **Akshatha Shetty**, the session covered essential microbiological techniques including **streaking, spreading, and inoculation**. The workshop continued with **downstream processing**—culture harvesting, mixing with coating agents, and **freeze drying**—supervised by **Dr. Komal Rana**, Technical Manager.

Participants gained exposure to lab-grade equipment and protocols used in real-world microbial research and product development. The session also emphasized the importance of aseptic techniques, media preparation, and strain preservation for long-term viability.

Interactive demonstrations and guided practice allowed attendees to troubleshoot common challenges and refine their technique. This initiative supports microbial culture development for upstream and downstream applications, with relevance to **engineered food supplements, hybrid probiotics, and nutraceuticals**. We thank all participants and facilitators and look forward to more such skill-building sessions that empower future life science professionals.

The poster features logos for K-tech, Manipal Government of Karnataka, and Manipal-GoK Bioincubator. It includes the text: "HANDS-ON WORKSHOP SKILL DEVELOPMENT IN WET LAB TECHNIQUES: BASICS OF MICROBIOLOGY". Under "DATE & VENUE", it lists "01-12-2024 to 12-12-2024" and "3RD FLOOR ADVANCED RESEARCH CENTER BEHIND MMIC BUILDING MADHAV NAGAR MANIPAL". A "CONTACT US" section provides the phone number "0820-29-37724" and email "sec.bioincubator@manipal.edu". A photo of Akshatha Shetty is shown with her title: "RESOURCE PERSON: Ms Akshatha Shetty, Admin Associate, MANIPAL GOVERNMENT OF KARNATAKA BIOINCUBATOR".



## Event Report – Startup Synergy: Connecting with Ms. Parnika Pavanram, KAS



**Event Date:** 4 December 2024

**Time:** 2:15 PM onwards

**Venue:** Sharada Hall, MCHP, MAHE, Manipal.

Manipal-GoK Biocubator–BioNEST, in collaboration with **MIT Manipal**, **K-tech**, and **MAHE**, hosted *Startup Synergy*, a dynamic session featuring **Ms. Parnika Pavanram, KAS**, General Manager (Biotechnology & ESDM), **KITS, Government of Karnataka**. Her keynote spotlighted Karnataka’s biotech leadership, with insights on the **Biotech Policy 2024–2029**, fiscal incentives, global market access, and funding programs like **BIRAC BIG**, **E-YUVA**, and **SPARSH**. She also introduced the **BIOE3 policy** and **BIO-ENABLER** initiative to boost biomanufacturing.

We were honoured to welcome **Ms. Parnika Pavanram, KAS**, General Manager (Biotechnology & ESDM), **Karnataka Innovation and Technology Society (KITS)**, Department of Electronics, IT, Bt, and S&T, Government of Karnataka. Her keynote focused on:

-  **Advantage Karnataka** – positioning the state as a global biotech innovation hub
-  **Innovation & Growth** – highlights from the **Karnataka Biotech Policy 2024–2029**

The session emphasized mentorship, networking, and startup acceleration, inspiring attendees to leverage Karnataka’s innovation ecosystem. We thank all participants for making the event a success.

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**STARTUP SYNERGY: CONNECTING WITH MS.PARNIKA PAVANRAM KAS**

Gain valuable insights, showcase your start-up, and explore opportunities for mentorship, networking, and support to accelerate your entrepreneurial journey. Additionally, learn how NIPUNA Karnataka, a government-led skilling initiative, can ensure access to a steady pipeline of high-quality talent, empowering your start-up to scale effectively.

**DISCUSSION POINTS :**

1. Advantage Karnataka - A Global Biotech Innovation Hub
2. "Innovation & Growth"- Karnataka Biotech Policy 2024-2029.

**MS.PARNIKA PAVANRAM KAS**  
GENERAL MANAGER (BIOTECHNOLOGY & ESDM), KARNATAKA INNOVATION AND TECHNOLOGY SOCIETY, GOVERNMENT OF KARNATAKA

**Date** 02 Dec '24 **Time** 2:15 PM Onwards

SCAN QR TO REGISTER NOW

Link - <https://forms.gle/DtMQaXj2Jhrxq8gr5>

0820 293726/1724/23/59

cm.biocubator@manipal.edu

4th Floor Board Room, MUTBI, MAHE, Manipal.



## Event Report – Skill Development Workshop on Wet Lab Applications

Event Date: 10-12-2024

Venue: Manipal-GoK Bioincubator–BioNEST

Manipal-GoK Bioincubator–BioNEST recently hosted an insightful session on “Skill Development in Wet Lab Applications,” offering hands-on exposure to essential lab equipment such as **cryogenic fluids, rotary flash evaporators, and vacuum concentrators.**

Led by **Dr. Komal Rana**, Technical Manager, the workshop welcomed students, researchers, innovators, and entrepreneurs for a practical deep dive into handling **liquid nitrogen, vacuum concentrators, and rotary evaporators.** These tools are critical for biological and food science research, enabling precision in sample preparation, concentration, and preservation.

Participants explored real-time applications of these instruments in **microbial culture processing, nutraceutical formulation, and bioactive compound extraction.** The session also emphasized **safety protocols, equipment calibration, and troubleshooting techniques** to ensure reliable lab outcomes.

The workshop included live demonstrations and interactive discussions, allowing participants to clarify doubts and gain confidence in operating high-precision instruments. Feedback from attendees highlighted the value of experiential learning in building technical proficiency.

By bridging theory with hands-on practice, the workshop empowered attendees with industry-relevant skills and confidence to pursue advanced research and product development. It reinforced the Bioincubator’s commitment to nurturing technical excellence and innovation readiness.

We thank all participants for their enthusiastic engagement and look forward to more such capacity-building initiatives that strengthen the biotech and food innovation ecosystem.



**Event Report – Precision in Practice: Hands-On Workshop for Laser Cutting and Engraving**

**Event Date: 11 July 2024**

**Venue: Manipal-GoK Bioincubator–BioNEST**

Manipal-GoK Bioincubator–BioNEST was thrilled to host and felicitate participants of the workshop “*Precision in Practice: Hands-On Workshop for Laser Cutting and Engraving.*” Led by Mr. Dheeraj Poojary, Technical Manager, BioNEST, the session brought together students, researchers, innovators, and entrepreneurs eager to explore the creative and industrial potential of laser technology.

The workshop provided hands-on training in laser cutting and engraving, enabling participants to work with diverse materials such as acrylic, wood, and metal. Attendees learned to translate digital designs into physical prototypes with precision, gaining familiarity with equipment setup, safety protocols, and design execution.

In addition to technical mastery, the session emphasized design thinking, material behavior, and process optimization, helping participants understand how laser technology integrates into prototyping, product development, and customization workflows. Live demonstrations and guided practice allowed participants to experiment with intricate patterns, branding elements, and functional components. The energy in the room was palpable as ideas turned into tangible outputs.

The workshop also served as a platform for peer learning and collaboration, with participants exchanging insights on applications in biotech, packaging, education, and art. Several attendees expressed interest in incorporating laser fabrication into their startup prototypes and academic projects.

Mr. Poojary highlighted the role of laser tools in rapid prototyping, low-volume manufacturing, and sustainable design, encouraging participants to think beyond conventional fabrication methods.

The session also touched upon the integration of laser systems with CAD software, enabling participants to understand the full workflow from digital ideation to physical execution. Participants appreciated the opportunity to troubleshoot real-time challenges and refine their techniques under expert guidance.

Feedback from attendees emphasized the value of experiential learning and the importance of access to advanced fabrication tools in academic and entrepreneurial settings. The workshop concluded with a showcase of participant-created samples, reflecting the diversity of ideas and applications explored.

We are proud to support such initiatives that blend creativity with technical skill, and we thank all participants for their enthusiastic engagement. Manipal-GoK Bioincubator remains committed to fostering innovation and hands-on learning in emerging technologies.

