

## ANNUAL REPORT 2022 - 2023



**KONGUNADU ARTS AND SCIENCE COLLEGE**  
(AUTONOMOUS)  
Re-accredited by NAAC with A<sup>+</sup> Grade - 4<sup>th</sup> cycle, College of Excellence - UGC  
#29 Rank among Colleges in NIRF 2023  
Coimbatore - 641 029, Tamil Nadu, India



### **KASC – INSTITUTION'S INNOVATION CELL (KASC – IIC)**

**IIC ID: IC201810336**

**AISHE: C - 41106**

#### **A. About IIC Institute**

❖ Vision / Mission of IIC established at the Institute

##### ❖ VISION

✚ To create empowered citizens who are capable of establishing startups/ enterprise with a balanced, community committed goals so as to address local issues through products and processes.

##### ▪ MISSION

- Inspire the stake holders to become more creative and excel in problem solving skills
- Create processes that will alleviate the creative nature among the stake holders
- Define mechanisms that will help stakeholders discover their potentials in the innovation and entrepreneurship domains
- Provide platforms to relearn and unlearn
- Continuously offer infrastructural and financial support to budding entrepreneurs
- Create an overall ecosystem of Education blended with Innovation in niche areas

- **Journey of IIC established at the Institute**

The KASC-IIC was established in our campus in the academic year 2018-2019, and secured **2.0 star (IIC1.0)** in 2018-2019. Our Institution actively involved and organized various IIC calendar, MIC and self-driven activities and scored **5.0 star (IIC2.0)** rating in 2019-2020, **4.0 star (IIC3.0)** rating in **2020-2021** and followed by **3.0 star (IIC4.0)** in **2021-2022**. Further, students and faculty members are continuously motivating by organizing various sessions related to Innovation, Startup and Entrepreneurship. Through IIC, now students and staff members are coming forward with their novel innovative ideas that may lead to the good Startup's in future. Our faculty members filled many patents and one of the team from Computer science department participated and won the Smart Hackathon -2022.





- Diversified representation in the IIC established at the institute from industry, Interdisciplinary & Departments/ Units etc.

#### A. Brief mention of key functionaries at the IIC Institute

Sr. No	Name of Member	Member Type (Teaching/ Nonteaching / External Expert)	Key Role/Position assigned in IIC
1.	Dr. M. Lekeshmanaswamy, Principal	Teaching & Head of Institution (Principal)	Chairman
2.	Dr. G. Dhandapani, Assistant Professor of Botany	Teaching	President
3.	Dr. L. Vidyarani, Assistant Professor of Mathematics (Aided) & IQAC Coordinator,	Teaching	Vice-President
4.	Dr. B. Divya Priya, Associate Professor of Commerce (PG) and Commerce PA (UG)	Teaching	Convener
5.	Dr. K. Velmurugan, Assistant Professor of Zoology	Teaching	ARIIA Coordinator

6.	Dr. P. Sumathi, Assistant Professor of Botany	Teaching	Innovation activity Coordinator
7.	Dr. B. Vishnupriya, Assistant Professor of Biotechnology	Teaching	Start-up activity Coordinator
8.	Dr. K. Sowndararajan, Assistant Professor of Botany	Teaching	IPR activity Coordinator
9.	Dr. N. Mohanapriya, Assistant Professor of Mathematics	Teaching	Internship Coordinator
10.	Dr. K. Kalpanadevi, Associate Professor and Head, Chemistry (PG)	Teaching	YUKTI-NIR Coordinator
11.	Dr. J. Anitha, Assistant Professor, Biochemistry (PG)	Teaching	YUKTI-NIR Coordinator
12.	Dr. M. Parveen, Assistant Professor, Botany	Teaching	YUKTI-NIR Coordinator
13.	Dr. M. Revathi Bala, Associate Professor, Commerce-IT	Teaching	i4 Club Coordinator
14.	Dr. K. Nirubama, Assistant Professor of Biochemistry (UG)	Teaching	i4 Club Coordinator
15.	Dr. R. Manimekalai, Assistant Professor of Chemistry (UG)	Teaching	Member
16.	Dr. K. Saravanakumar, Assistant Professor of Physics	Teaching	Member
17.	Dr. R. T. Narendhirakannan, Assistant Professor of Biochemistry	Teaching	Member
18.	Dr. S. Raja, Assistant Professor of Zoology	Teaching	Member
19.	Dr. C. Shobana, Assistant Professor of Zoology	Teaching	Member
20.	Dr. M. Santhoshkumar, Assistant Professor of Biochemistry (UG)	Teaching	Member
21.	Dr. E. Prakash, Assistant Professor of Maths (Aided)	Teaching	Member

22.	Dr. A. Amuthalakshmi, Assistant Professor of Mathematics (Unaided)	Teaching	Member
23.	Dr. K. Chandra Prakash, Assistant Professor of Chemistry (UG)	Teaching	Member
24.	Dr. P. Gowtham, Assistant Professor, Biochemistry (PG)	Teaching	Member
25.	Dr. N. Senthil Kumar, Assistant Professor of Physics	Teaching	Member
26.	Dr. A. Pushpaveni, Assistant Professor of Chemistry (PG)	Teaching	Member
27.	Dr. S. Punitha Devi, Assistant Professor and Head, Department of Business Administration with CA	Teaching	Member
28.	Dr. S. Rajam, Associate Professor, Commerce (PG) and Commerce PA (UG)	Teaching	Member
29.	Dr. R. Maharajothi Priya, Associate Professor, Commerce Banking & Insurance (UG)	Teaching	Member
30.	Mr. S. K. Arunkumar, Assistant Professor of Commerce Accounting and Finance (UG)	Teaching	Member
31.	Dr. S. Divya, Assistant Professor, Costume Design and Fashion (CDF)	Teaching	Member
32.	Mrs. M. Sindhu, Assistant Professor, Costume Design and Fashion (CDF)	Teaching	Member
33.	Dr V. Elakkiya, Assistant Professor of Biotechnology	Teaching	Member
34.	Dr. Amudha. S	Teaching	Member

	Associate Professor, Commerce		
35.	Dr. K. Sumangala Associate Professor & Head, Dept. of Computer Applications	Teaching	Member
36.	Mrs. B. Praveena Assistant Professor, Dept. of Computer Applications	Teaching	Member
37.	Ms. N. Harinee Assistant Professor of Clinical Nutrition and dietetics	Teaching	Member

**B. Portfolio/graphical/Tabular representation of Resource strength (human capital and Physical capital) of the IIC institution**

S. No.		Total (In Nos)
1.	IIC Members	82
2.	Innovation Ambassador	27
3.	No. of Faculty Members from Portal	62
4.	Pre-Incubation Units, If any	1. MoE-Institution's Innovation Council (IIC) 2. Entrepreneurship and Skill Development Cell (ESDC) 3. Aquaculture Unit 4. Herbal medicine preparation unit 5. Bonsai Making 6. Apiary Unit 7. Vermitechnology unit 8. Mushroom cultivation unit 9. Sericulture unit 10. Biofertilizer and Biopesticides production unit 11. KASC Tech-hub
5.	Incubation Units, If any	KASC I-Hub
6.	IP Facilitation Unit, If any	Intellectual Property Rights (IPR) Cell

C. Highlight Facilities, Infrastructure of Pre-Incubation & Incubation kind and Student bodies/clubs engaged in promotion of Innovation and Entrepreneurship in the campus.

➤ **Teaching-Learning Resources**

- Adequately-furnished classrooms with fixed/portable ICT teaching tools for effective conduct of 25 UG, 17 PG and 13 research programmes.
- More than 718 computers for ICT infrastructure.
- **STAR COLLEGE SCHEME** sanctioned by the **Department of Biotechnology (DBT)**, Govt. of India for the financial support of **Rs. 84.0 lakhs** for strengthening the UG departments of Physics, Chemistry, Mathematics and Computer Science students in the college.
- **DST-FIST** sanctioned the amount of **Rs. 80.0 lakhs** for developing the infrastructure facility and capacity building development for the department of Physics, Chemistry, Mathematics and Computer Science.
- Science labs (including DST-FIST sponsored) and 8 computer labs with 160 computers. Separate laboratories for all Science Departments.
- Common Instrumentation Laboratory, Museum in Zoology with rare species.
- Language lab with 30 computers and headphones.
- The college library houses 85000 books, 299 periodicals, 123 journals and 107 National and 16 International journals, 124 National Magazines, 3 international magazines and 49 Newspapers with a completely automated management system.
- One each of indoor auditorium with seating capacity of 1200, Conference hall with 250 seating capacity and seminar hall with 150 seating capacity, Sister Nivedita Hall with 900 seating capacity and 5-10 halls with 100 seating capacity.
- Separate Hostel facility for UG and PG Boys (86) and Girls (173) with 259 rooms.
- Kongunadu Digital Media Centre for Video-Conferencing, e-content development and to conduct Multimedia Assisted Learning/Teaching.
- Learning Management System KASC i-Hub Incubation centre.

- Exclusive Placement office.
- Exclusive Fitness Centre.
- Green House, Medicinal Garden and Herbarium centre for the Research in herbals and plants. Separate rooms for co-curricular and extra-curricular activities.
- KASC Tech Hub for fostering Innovation in IT sector.
- Various clubs such as Eco club, Red Ribbon club, Youth Red club, Woman Empowerment Cell, Swami Vivekananda Study Circle, NSS, NCC and etc.

➤ **Advanced Laboratories**

- Central Instrumentation Facility
- Virtual laboratories
- Value added Product prototyping lab
- Animal Tissue Culture,
- Animal House,
- Vermiculture Tank,
- Ornamental Fish Culture,
- Plant Tissue Culture,
- Minor Millet product production lab
- Nanotechnology unit with Electrospinning machine
- Mushroom Cultivation unit
- Apiculture Unit,
- Cold Storage unit

➤ **Sophisticated Research Instruments**

- X-Ray diffraction analysis (XRD)
- GEL documentation system Gelstan-1312 star
- StepOne™ Real-Time PCR System ABI



- Master cycler
- Inverted Trinocular Fluorescence microscope, Olympus
- Fourier-Transform Infrared Spectroscopy (Shimadzu)
- Atomic Absorption Spectroscopy, SL-168
- High-performance Liquid Chromatography (HPLC), Cyberlab
- Research Spectrofluorometer, Fluro Max-4 CL
- UV Visible Spectrophotometer, Jasco International Company Ltd
- Fermenter NBS

➤ **ICT Facility**

- Microsoft Volume Licensing Services Agreement is updated regularly every year.
- More than 718 computers as part of the ICT infrastructure and distributed judiciously across all departments for academic and administrative utility.
- The latest updates of computers were carried out with core i5 -221 processor as replacements and additions.
- 34 Laptops with latest configuration.
- Centralized 10 server systems for networking, data processing and storage needs are updated and maintained as per the schedule.
- 45 LCD projectors, 37 scanners and 83 printers for academic purposes. All the departments are interconnected through intranet.
- 58MBPS Leased line facility connecting the entire campus.
- LAN-58MBPS network across the campus and access internet /Intranet resources under uniform network policy.
- Wi-Fi Campus.
- 25 Wi-Fi 33 access Points connecting the campus. Fort iGATE 300c Enterprise Grade Firewall service. Antivirus package:500 users
- 130 KVA online UPS –apart from 150 KVA Solar power plants.

- A new LED display has been installed to provide more digital visibility to the college events. Lecture Capturing system.

#### **D. Highlight Achievements (Narrative/Graphical/tabular representation)**

- Number and Different types of I&E and IPR activities Conducted
- No. of student's & faculty ideas generated
- No. of student's & faculty Innovation/prototypes developed
- No. of IPs generated, published and granted
- No. of Student & Faculty Start-ups/Ventures established.
- Amount spent on promotion and awareness generation on Innovation Entrepreneurship in the campus
- Amount grant or fund supported to student & Faculty lead Innovations, start-ups and IPR
- No. of Technology Transfer and Commercialisation happened

**E.** Highlight few best IIC Faculty/Student members and their achievements/ Rewarded for the innovations at different forum

**1.** Idea Proposals approved during **4<sup>th</sup> PMAC Meeting of MSME Innovative Scheme** held on 26.06.2023 & Announced by Hon'ble Minister of MSME on the occasion of **International MSME Day** at **Vigyan Bhawan, New Delhi on 27.06.2023**. The following Two faculty members (**Dr. S. R. Madhan Shankar** and **Dr. B. Vishnupriya**) from our Institution got selected for idea and sanctioned the amount of **Rs. 15.0 Lakhs** each.

Idea Ref. No.	Host Institute Name	Incubatee Name	Title of the Idea	Theme Name
IDEATN006870	Amrita Vishwa Vidyapeetham	<b>Dr. S. R. Madhan Shankar,</b>	Biodegradable spoons from Waste Banana fibre-an alternative to single use plastic spoons	Alternative Material for Single Use Plastic (SUP)
IDEATN007412	Amrita Vishwa Vidyapeetham	<b>Dr. B. Vishnupriya,</b> Asst. Prof. of Biotechnology	Sugar free jelly from the by-product of Beetroot	Beetroot Waste to Wealth creation, Circular solutions & waste management

**2. Dr. B. VISHNUPRIYA**, Assistant Professor of Biotechnology, has awarded for ICSSR Research Project under Special Call for Short-term Empirical Research 2023-24 on the basis of recommendations of the Expert Committee.

The project entitled “**A Comprehensive Assessment of Start-up Ecosystem among Women Entrepreneurs in North Coimbatore and Nilgiris District in Tamil Nadu**” with budget approved of Rs. 5.0 lakhs for 6 months.

**3. Dr. B. Vishnupriya**, Assistant Professor of Biotechnology, has submitted and approved her proposal entitled “**Adjustable Self Lifter for Elders**” under “Innovation Voucher Programme (IVP)”.

**4. Dr. B. Divya Priya**, Associate Prof & Head, Dept. of Commerce with IT received the award of “**Entrepreneurship Ecosystem Builder of the Year-2023**” award by Woman Business Network (WBN), Covai Chronicle and the Global Ties on 22<sup>nd</sup> July, 2023.

**ENTREPRENEURSHIP DEVELOPMENT AND INNOVATION INSTITUTE**

(An autonomous society of the Government of Tamil Nadu)  
 Parthasarathy Koil Street, SIDCO Industrial Estate,  
 Ekkaduthangal, Guindy, Chennai 600032, Tamil Nadu  
 Tel : +91-44-2225-2081/82/83/84 Web : [www.editi.in](http://www.editi.in)



Roc.No.II-01/44/2022/EDII/2022

Date:07.02.2023

S.r,

**Sub:** EDII - Innovation Voucher Programme (IVP) - Proposal submitted under IVP – Sanctioned Order issued – Reg.

**Ref:** 1. IVP Proposal sent by **M/S NVS - Plasters**.  
 2. Minutes of the Screening Committee meeting held on 30.12.2022.

\*\*\*\*\*

As per the above references, this is to inform that your proposal has been approved by the Screening Committee under **"Innovation Voucher Programme"**.

In this regard, the details of the recommendations and terms and conditions are as follows:

1. Name of the Company : NVS - Plasters
2. Project Title : Adjustable self lifter for Elders
3. Voucher Type : Voucher – A
4. Maximum Project Duration : 12 Months
5. Knowledge Partner : Kongunadu Arts and Science College
6. Total Project Cost : Rs.5,00,000/-

**Break up of Project Cost (In Rs.) :**

EDII Contribution			Company's Contribution	Total
1 <sup>st</sup> Installment 50%	2 <sup>nd</sup> Installment 40%	3 <sup>rd</sup> Installment 10%		
1,00,000	80,000	20,000	3,00,000	5,00,000

**Terms and Conditions of the grant :**

- I. 1<sup>st</sup> Installment: 50 percent of the eligible grant will be released on signing of the Tripartite agreement.
- II. 2<sup>nd</sup> Installment: 40 percent will be released on submission of the Progress report, Utilization Certificate, Photos & Videos, etc. and its acceptance by the EDII within the time frame stipulated in the agreement.
- III. 3<sup>rd</sup> Installment (Remaining 10 percent) will be released on completion of the project and presentation of the final report being made before the Screening committee and the completion report found acceptable.
- IV. Contribution of the company has to be paid in full to the knowledge partner before the release of 2<sup>nd</sup> Installment.
- V. Knowledge partner should release the fund to the company without any delay based on the achievement of milestones as envisaged in the project by the company.

**F. Highlight selected best Innovations & images with mention of inventor/innovation name**

1. Innovations Name: **"Adjustable Self Lifter for Elders"** and **"Sugar free jelly from the by-product of Beetroot"** Inventor Name: **Dr. B. Vishnupriya**, Asst. Prof. Biotechnology
2. Innovation Name: **"Biodegradable spoons from Waste Banana fibre-an alternative to single use plastic spoons"** Inventor Name: **Dr. S.R. Madhan Shankar**, Associate Professor of Biotechnology.

**G.** Highlight selected start-ups established by students/faculties with mention of founder/cofounder name

**Dr. B. Vishnupriya**, Assistant Professor of Biotechnology, established the Startup “**M/S NVS Plasters**” for developing “**Adjustable Self Lifter for Elders**”

**H.** List if any break through Innovations / Technology Developed at the institute (2-3 technology with 2-3 lines about technology and innovation.

**1. Adjustable Self Lifter for Elders**

**I. Participation of IIC-institute in various programs of Central and Stage Govt.**

**Highlighting specially for the schemes or programs**

- ARIIA – participation and Rank
- NISP Adoption status - Trained Faculty, Policy Formulation, Policy Implementation
- Smart India Hackathon 2022 & 2023 etc.
- Tamil Nadu-Entrepreneurship Development and Innovation Institute (TN-EDII),
- TN-STARTUP
- MSME Woman Hackathon and etc.

**J. Detail of Social Media & Connections of IIC institute**

- Website: <https://www.kongunaducollege.ac.in/>
- Facebook: <https://www.facebook.com/kongunaduartsandsciencecollege/>
- Youtube: <https://www.youtube.com/channel/UCpse2yvPKxDQSwi8KvIb-yA>
- Twitter: <https://twitter.com/kasccebe>

**K. Testimonials from IIC members and external about IIC institute and IIC of MoE's Innovation Cell**

**PRABHUNARAIN.S**  
Director, IPR Division

**GAGNANT**  
FINANCIAL & LEGAL CONSULTANTS LLP



LION PRABHUNARAIN. S  
DIRECTOR & HEAD,  
IPR & TECHNOLOGY DEVELOPMENT DIVISION,  
GAGNANT FINANCIAL & LEGAL CONSULTANTS LLP.

I am very delighted to express my experience with Kongunadu Arts & Science College, located in Coimbatore, Tamil Nadu. Firstly, The Management and Faculty are extremely supportive and devoted to student's carrier developments, Talent developments, Skill Development, etc. This Institution is very keen on the student's education and its mechanism to bring out innovative ideas and Patents from Students & Researchers are peerless. There is strong bondage between students, faculty, and management. I wish Kongunadu Arts and Science College to continue its journey and become one of the top institutes in India. My sincere thanks to the Institution for inviting me to act as a Resource Person in the Institution of Innovation Council (IIC).

A handwritten signature in black ink that reads "Prabhunarain.S".

Prabhunarain. S

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No - 22 / 2, 2nd Main Street, Nehru Nagar, Ganapathy,  
Behind CMS School, Coimbatore - 641005.  
Mob : -91-9790013549      prabhu\_4u@hotmail.com      www.gagnantllp.com  
narain@gagnantllp.com



**Ms. Sivaraghavi**

**CEO start-up culture foundation**

**Chapter Director**

**Strat up Grind**

**Coimbatore -29**

Kongunadu Arts and College provides adequate opportunities and support to faculty members for upgrading their skills and qualifications where we were given freedom to adopt new techniques /strategies of testing and assessment of students in the domain of entrepreneurship a dynamic and energetic team of faculty lead by amazing leaders.

A handwritten signature in black ink, appearing to be 'Sivaraghavi'.

**(Ms. Sivaraghavi)**



KASC is a great place to be. I am really happy to address IIC team - who were kindling the students to be a job providers and mentoring the students to become a successful entrepreneur. Being a part of this institution is an honour in itself. A plethora of opportunities come your way for you to grab on, help find the real you. So, it's a promise of great experiences with an excellent faculty team and many events for you to take part in. While you are here, build networks, take chances and compete as if your life is at stake and you will be rewarded with the best! -


naveen manickam (alumni)

A handwritten signature in blue ink, appearing to read "Naveen Manickam".


CEO at Krishna Advertisement




L. Images




**KONGUNADU**  
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(AUTONOMOUS)  
G.N. MILLS POST, METTUPALAYAM ROAD  
COIMBATORE - 641 029







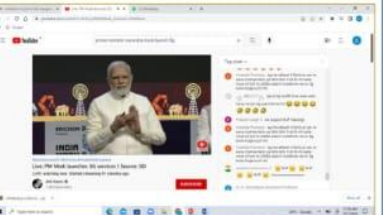
**KASC – INSTITUTION'S INNOVATION CELL**  
(KASC – IIC)





**Prime Minister Narendra Modi Launches 5G Services in India, Delhi on 1<sup>st</sup> October, 2022 at 10.00 AM**


































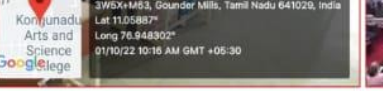





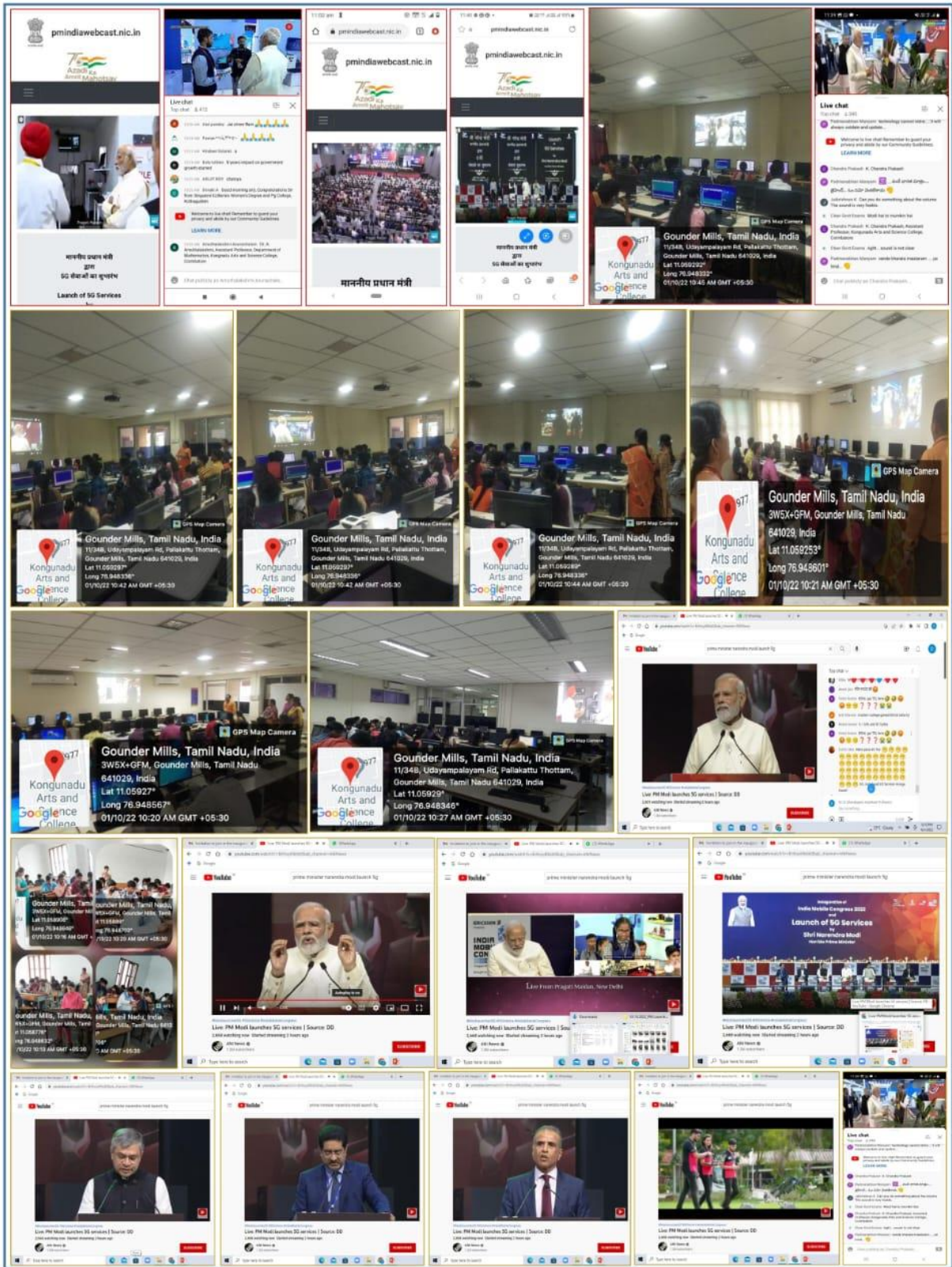












## **M. Contact**

### **DR. M. LEKESHMANASWAMY,**

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Assistant Professor of Botany,

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### **Dr. B. DIVYAPRIYA**

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Associate Professor & Head of Commerce with IT,

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