Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University under category 'A' by MHRD, Estd. u/s 3 of UGC Act 1956)
Re-accredited with 'A++' Grade by NAAC. Recognised by UGC Under Section 12 B
Coimbatore – 641 043, Tamil Nadu, India

Directorate of Research and Development (DoRD)

Entrepreneurship Development Cell (EDC)

Skill Development Centre (SDC)

AVINASHILINGAM INSTITUTE'S INNOVATION AND START-UP POLICY – 2022

Re-accredited by NAAC with 'A++' GPCA 3.65/4

Graded as Category I University Recognised Under Section 12B under UGC

Ranked 75 among Universities

Ranked 5th under the University (Govt.& Govt. Aided) (Technical) Category

Granted Category A Status by MHRD – Top most rating for Deemed-to-be-Universities

Approved in the 121st Board of Management Meeting held on 21.04.2022 Item No. 1

Registrar
Avinashilingam Institute for Home Science and Higher Education for Women
(Deemed to be University)
Estd. u/s 3 of UGC Act 1956)
Coimbatore - 641 043. Tamil Nadu, India

Avinashilingam Institute's Innovation and Start-up Policy – 2022

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Preamble:

Avinashilingam Institute for Home Science and Higher Education for Women (AIHSHEW), Coimbatore was established as an aided college by the great patriot and educationist Padma Bhushan Dr.T.S. Avinashilingam under the auspices of the Avinashilingam Education Trust in 1957 with 45 women students. Dr. Rajammal P. Devadas, doyen of Home Science nurtured the institution of what it is today.

It is now one of the largest institutions in the country to impart quality education for women at all levels. The institute follows the educational ideals of Sri Ramakrishna, Holy mother Sri Saradamani Devi, Swami Vivekananda and Mahatma Gandhi and upholds a life of purity, discipline and service. The institute is renowned for offering women's education to a diverse group of women pan India and also caters to the first generation learners, economically deprived, persons with disability and destitute women.

From time immemorial, the institutional activities have been focusing on providing education with core values of (i) Academic Excellence, (ii) Vitality of Culture & Values and (iii) Social Relevance and Women Empowerment (iv) Accountability and Transparency (v) Diversity and Inclusion.

NEP (2020) aims for life long learning with industry- oriented skills upgradation and entrepreneurship. Much impetus is given to vocational education to promote entrepreneurial acumen with the expected outcome of economic growth, job creation and increased societal resilience, but also individual growth, increased engagement and improved equality.

The Vision 2040 of the Institute has set milestones to achieve noteworthy global ranking of the Institute. The Vision for empowerment of women is made possible through the Strategic Plan Deployment and pivoting education towards multi-disciplinary and inter disciplinary solutions in an innovation- enabled ambience. Keeping pace with the Vision Statements, the Institute has created accessible Innovation and Entrepreneurship facilities as a first step towards building Institutional start up culture. The Directorate of Research and Development (DORD) is rightly evolved to provide greater access to research and enhance the

entrepreneurial ecosystem. It turns out to be a robust system to encourage more research productivity and start-up culture.

Under the Quality Institutional Framework (QIF) of NAAC, the key aspect "Innovation Ecosystem" was introduced in 2017 under criterion III. The NIRF also provides greater significance for Innovation-Incubation Centre. In line with the National Initiatives that support start-up culture such as ASPIRE, BIRAC-BioNEST, Stand-Up India and Atal Innovation Mission, Our Institute has established "Avinashilingam Innovation, Incubation and Acceleration Centre (AIIAC)" with The Directorate of Research and Development (DORD) to play a pivotal role in catalysing with focus on Bio and Non-Bio ventures in the areas of Functional Foods & Nutraceuticals, Waste to Wealth, Technical Textiles, Assistive Technology, Embedded Sensors and IoT, Arts and Crafts to name a few to achieve the status of "Atma Nirbhar Bharat".

The Institute has adopted National Innovation and Start-up Policy to ensure better entrepreneurial ambience through the activities of Avinashilingam Innovation, Incubation and Acceleration Centre (AIIAC) which is presently housed in 7106 sq.ft area with plans of expansion already underway. This would motivate faculty, students, research scholars, industry to work in alignment to promote entrepreneurial culture and nurture more start-ups.

The Centre will provide opportunities to students, faculty, scholars, alumni, women entrepreneurs and women start-ups to develop self-sustained and empowered startup community. Since the institute provides over 2000 courses focussing on entrepreneurship, skill development and employability competencies and offers experiential learning, students will be motivated to choose entrepreneurship as their future destiny. This will open-up an alluring career path for women and active participation in the national GDP. The Centre will prioritise women focussed home technologies-based ventures in Thrust areas selected thus producing indirect jobs for other women. Aiming at social inclusion and equitable platform, the Centre will enable swift strategic actions towards greater social stability. As a part of its sustainable development agenda, Rural and Social enterprises also will be nurtured.

In this context, the institute has constituted an eight-member committee under the leadership of the Chancellor to develop policy for AIIAC with the components of

product ownership, facilities provided and the cost involved, norms for technology transfer and commercialisation, revenue sharing, patent facilitation which form part of the Policy across different incubate categories of Students, Research Scholars, Faculty, Alumni and established women headed start- ups.

Strengths of the Institute:

Over the years the Institute has created an entrepreneurial ecosystem through Entrepreneurship Development Cell (EDC) established in 2011, Institution Innovation Council (IIC) initiated in 2018, Avinashilingam Innovation and Incubation Centre (AIIAC) initiated in 2018 and Skill Development Centre (SDC) under PMKVY established in 2020. All these centres are periodically conducting programmes for onset of attitude and inculcating entrepreneurial skills. Effectiveness of skill training is complemented by the available infrastructure - (i) Bharat Ratna Dr. CNR Rao Laboratory (ii) Centre for Manufacturing and Emerging Technologies (iii) Artificial Intelligence and Machine Learning Centre (iv) Five-star accredited Skill Development Centre under NSDC (v) Advanced Research Lab (vi) IPR Cell (vii) Wet labs and (viii) Facilities in various departments on the campus. On these lines, the accolades of the institute include awards for innovation and patents for products and services. In addition, list of relevant mentors, Industry-Institute linkages of the Institute and Professional body memberships play a key role in ensuring the entrepreneurial empowerment.

- Awards
  - NAAC A++ (3.65/4.0)
  - Ist Rank in ARIIA under the category of Higher Education Institutions for Women (Govt. And Govt Aided) – 2020
  - 5th Rank in ARIIA under the category of University and Deemed to be University (Govt. And Govt aided) (Technical) – 2021
  - NIRF – 75th Rank in 2021
  - NBA for engineering programs
- Establishment of statutory and non-statutory Committees
- Industry – Institute Collaborations
  - MoUs
  - Consultancy projects

- Patents – Filed 26 Awarded – 8 ; Published – 18

With the strengths of AIHSHEW, the centre derives the leadership to develop successful women entrepreneurs.

Vision

"To emerge as a global women's innovation hub, by being a potential anchor in inter and multi-disciplinary domains, facilitating students, faculty, alumni and entrepreneurs towards building successful bio and non-bio ventures with better participation of women folk in the National development".

Mission

"To promote an innovative culture and a vibrant entrepreneurship ecosystem among rural and urban women.

Objectives

- Emerge as Country's largest Women start-ups Hub in Food and Wellness segment as a sector specific niche incubator.

- Encourage women start-ups in the thrust areas of

(i) Bio Ventures

- Functional Foods & Nutraceuticals
- Waste to Wealth
- Technical Textiles

(ii) Non-Bio ventures

- Embedded Sensors and IoT
- Assistive technologies
- Arts and craft

(iii) Emerging areas of relevance

- Create entrepreneurial ecosystem with high class infrastructure which provides easy access to all entrepreneurial aspirants ensuring robust Innovation and Entrepreneurial (I &E) set up

- Strengthen the Industry-Institute linkages

- Graduation of Start-ups through funding support and networking services

- Actively engage Students, Scholars, Faculties, Start-ups to promote entrepreneurial culture to convert the human resource capable of lifting the Global innovation ranking of the Country

- The Institute attached Incubator facility will focus on the development of local community women so that the skill sets and local resources can be strategically utilised to form clusters for greater outcomes.

1. Strategies and Governance

1.1 Strategies

Avinashilingam Innovation Incubation Acceleration Centre (AIIAC) will spearhead an entrepreneurial ecosystem, as indicated in the figure with three pillars.

Figure 1. Three Pillar Model

(i) **Directorate of Research and Development (DORD)** helps to function as a single window operational system for compilation of ideas. Technology/ Product pipeline permeating from different departments

via a constituted Tech Bank. The Tech Bank will be periodically monitored/evaluated for the progress of the ideas given and the matured our ideas will be taken to the innovation pipeline. It will act as a networking partner and a collaborator for strengthening the industry institute linkages through Industrial Partnership (MoUs).

The centre will also play a critical role in the **Technology Transfer & Commercialization Cell of DORD** will work on IPR process, technology licensing, pilot plant establishment, technology transfer and work on product market strategies. The Technology Development, Transfer and other business-centered facility will be a hub for strategic partnerships/collaborations, industry-institute interface, sponsored or contract research, new knowledge generation, IPR, and patent services.

(ii) **Pre-Incubation Facility** will be managed by Entrepreneur Development Cell (EDC), Institution Innovation Council (IIC) and Skill Development Centre under PMKVY.
The EDC has played a pivotal role in identifying creative minds and making their aspiration a reality. The Institution Innovation Council (IIC) creates an outcome-based innovation ecosystem for scouting ideas and pre-incubation of ideas. The Skill Development Centre offers training in specific skills as per the NSDC guidelines.

(iii) Incubation & Accelerator will focus on prototypes to products and value addition of products/services.

1.1.1 Role of AIIAC

a. The AIIAC through its various pillars will sensitize students, staff, and alumni as well as women outsiders in general to participate in innovation and startup activities.
b. AIIAC will act as a separate entity registered under Sec.8 of the Company Act 2013 to allow more freedom in decision making and ensure quick execution of all I &E activities.
c. It will prepare systems and processes to facilitate the above-mentioned stake holders to actively participate in innovation and startup initiatives.
d. Single Point of Contact (SPOC) mechanism should be created in the institute and campuses for the students, faculty, collaborators, partners

and other stakeholders to ensure access to information and better governance of each of the cells.

e. It will provide training and counselling to students and faculty on advantages and processes of starting an enterprise through its Skill Training Center and Entrepreneur Development Cell.
f. AIIAC is operating in a space of 7106 sqft currently ,with an additional area of 10,500 sqft under future expansion plans. In campus-II, 3306 sqft is already available for the startups. The facilities created will be made available 24X 7 to students and faculty of all disciplines and departments across Institutions.
g. It will recommend special provisions for students and faculty engaged in incubation activities including creating a start-up.
h. AIIAC will create an **angel or sustainable fund** through CSR of industries and also pumping 1% of annual academic budget into this fund, for helping the innovation and startup activities.
i. AIIAC has a procedure of sourcing funds and also pattern of utilizing funds and strategies will be designed as how returns can be planned into this fund.
j. AIIAC has mentors in various domains, Industry experts, IP experts as well as industries to help the stake holders and cells.
k. AIIAC has specified sharing policy during commercialization and student/ faculty start-up.
l. AIIAC will encourage in filing IPR and identify ways of commercialization of the same through its Technology Transfer and Commercialization Cell advised by a 3rd party Patent Officer.
m. The committees under the three pillars will monitor the activities and progress of each of the cells every Quarter.

1.1.2 Role of DORD

DORD is expected to play an imperative role in shaping and encouraging multidisciplinary/ transdisciplinary and translational research as implicated in NEP 2020.

Objectives

The DORD effectively has to strengthen an organisational structure, identifies thrust areas of research, and form related cluster groups and consortia of researchers. It will play an important role to formulate Research Policies for

managing research and recruitment of research personnel, procurement of equipment, and financial management and disseminate research outcomes to stakeholders and the public at large.

a. The **Research Mentors** identify potential collaborators from industry, research organizations, academic institutions and other stakeholders for cooperation and synergistic partnerships. They will help to use the expertise and guidance from superannuated active faculty/scientists for capacity building of talented young minds in research and facilitate the exchange of ideas and resources across institutions and R&D Labs.
b. The Institute has an effective **Research Governance** system in place with Research Advisory Council (RAC) headed by the Vice-Chancellor as the apex body of DORD. The Director, nominated by Vice-Chancellor among the distinguished researchers from the Institute, will head various committees to drive the governance. The Director (R&C), the Conveners and members of various committees (nominated by the Director-R&C from/among the existing faculties with research credentials) and supporting administrative/technical staff would ensure smooth conduct of the research activities in the university.
c. **Thrust areas for Research** - will mainly focus on functional foods, redefining health, and wellness, value chain and other emerging areas. The societal needs may be identified and the available resources including human resources and faculty research competencies will be identified.
d. Encouraging faculties and scholars by giving **incentives** for quality publications and patents will have a positive impact. Institution Excellence Awards for accomplishments/achievements in the form of impactful quality research and/ or research-based teaching will further stimulate and invigorate the research and innovation activities .
e. The **Technology Development** and transfer facility, EDC, Skill Development Council and AIIAC will be a hub for strategic partnering with industries. The new knowledge generation, IPR, and patent services, and commercialization of research will facilitate innovation, incubation, entrepreneurship and start-up ventures.
f. **Funding**: DORD will facilitate resource mobilization and create a Corpus for research and development from various resources, government,

industry, and other funding agencies for sustenance and improvement of research activities. It will also track funding opportunities from industrial partners. The corpus created for research will be used to support the seed funding for freshly recruited faculty, research scholars and students for developing research facilities, publications and patenting.

g. **Capacity Building** - DORD will play a crucial role in building the capacity of faculty and students to undertake research problems in line with the latest advances in diverse disciplines and encourage publications and contribute to technological developments relevant to societal needs.
h. **Integrity and Ethics** - Regular initiatives by DORD will ensure that researchers understand the importance of ethics and follow ethical codes of research and publishing practices at institutional, national, and global levels. Publications in quality journals and good quality manuscript preparations will be ensured. The DORD will sensitize the research community about dubious research and publishing practices and predatory journals.
i. **Research Monitoring** - DORD will ensure that all the Research Labs in the institution follow Good Laboratory Practices (GLP) and Safety (Bio and Chemical) measures, recognized as QIP center and by the National Accreditation Board of Laboratories (NABL).

As such both **AIIAC** and **DORD** would focus on-

Ease of doing business

- A 'One-Stop-Shop' guided by a portal and ably supported by a **help-desk** will be set up to facilitate registration, compliances and certification.
- AIIAC will recognise / register an incubate within 10 days from receipt of online applications if eligibility is fulfilled.
- On-line, time- bound grievance redressal mechanism for startups.

Resource Centre and Registry

- AIIAC and DORD would contribute in building a centralised registry-cum-repository on venture firms, incubators, intellectual property support centres, mentors, database of different talents for Startups to hire,

stakeholders and other activities supported by Government of Tamil Nadu and Government of India, which can be leveraged by startups.

Help Centre

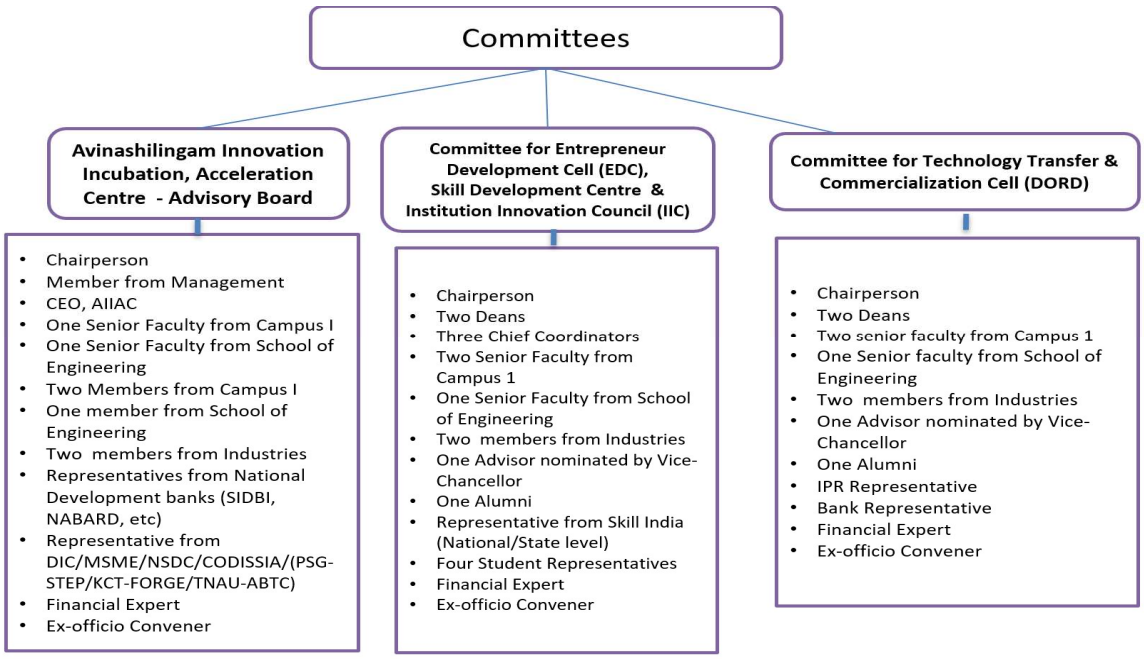
- A help centre to address queries related to registration, compliance and accessing benefits for Startups will be housed in AIIAC.
- The help centre will also provide promotional and Public Relation platform to startups for dissemination of information related to startup conferences and events.

Policy simplification

AIIAC and DORD will engage with the Government in policy advocacy in emerging and disruptive areas as well as in regulatory dismantling for outdated regulations.

1.2. Governance Structure

The entrepreneurial agenda will be handed over to a responsible senior person in Professor Cadre who can lead Innovation and Entrepreneurship (INE) activities. Each Cell/ Centre should have a better leadership who can achieve performance indicators. The hierarchical barriers may be minimized and individual autonomy and ownership of initiatives to be promoted. The importance of innovation and entrepreneurial agenda need to be taken across the institute and local community through different modes of promotional activities. To accomplish the goal the institute can manage and facilitate incubation activities through establishment of Avinashilingam Innovation and Incubation Centre-Advisory Board, Committee for Entrepreneur Development Cell (EDC) & Institution Innovation Council (IIC), Committee for Incubation & Accelerator Cell and Committee for Technology Transfer & Commercialisation Cell.



2. Institutional Start-up Ecosystem

2.1 Institutional Ecosystem

The Institute has created an ecosystem (refer preamble section) with relevant infrastructure, resource mobilization and skill development. This facility will help the target groups of students, research scholars, faculty, alumni and women startups. The products developed would focus on the market segment of women, children and geriatric population.

2.1.1 Innovation and Incubation Activities

The Incubation involves the following activities:

- Provide training and conducting various activities to inculcate a culture of entrepreneurship.
- Motivate the stakeholders through value proposition models, Business Models, Business Plans.
- Appoint Mentors to carryout feasibility studies.
- Conduct brain storming sessions with young entrepreneurs and start-ups.
- Liaison with private and public sector funding sources and other government/ industry agencies, to provide facilitation and networking for start-ups.
- Encourage internships in start-ups to get an experience of SWOC of start-ups.
- Supports to develop better cognitive ability for the stakeholders.
- Inculcate innovation and entrepreneurship knowledge and capacity building by conducting summer schools, bridge courses, awareness programmes and training sessions.
- Conducting orientation programs on success stories.
- Encouraging students and faculty to attend free International & National online programs.

- Innovator centric provision for industrial visits periodically to stimulate & the opportunity to observe the innovation and strategy Coupled with the business.
- Ideas collection from all the students/ faculties of the university with an idea box at prominent locations.
- Conducting number of Hackathons among students community to increase awareness on innovations and Startups.
- The faculty members shall be involved as mentors to provide technical expertise or provide capital investment alone.
- The committee constituted for the purpose of selection of incubatees shall take decision in granting a Startup by assessing the proposal submitted indicating the interest/ feasibility/ innovation/ market potential etc. The committee shall constitute AIIAC CEO, Director-DORD, Expert Member and Faculty Mentor also will review the progress quarterly.
- In order to attract and retain right people, institute should encourage academic and non-academic incentives and reward mechanisms for all staff and stakeholders that actively contribute and support entrepreneurship agenda and activities.

Registration process

Registration Criteria:

1. High level of interest to become an entrepreneur
2. Should possess ideas/concept in the thrust areas
3. Uniqueness of Business ideas
4. Credibility of Applicant
5. Free from any illegal/objectionable background
6. Alignment of expertise/facilities of AIIAC and expectation of the applicant

There are two levels of review process, internal and external.

Internal Review: The idea will be reviewed by the Faculty Experts, CEO-AIIAC, Director-DROD, Head-EDC and Mentors.

External Review: After satisfactory internal review of the applicant, 2/3 external experts in the combination of domain expert, investors, established entrepreneurs, potential users will be reviewed.

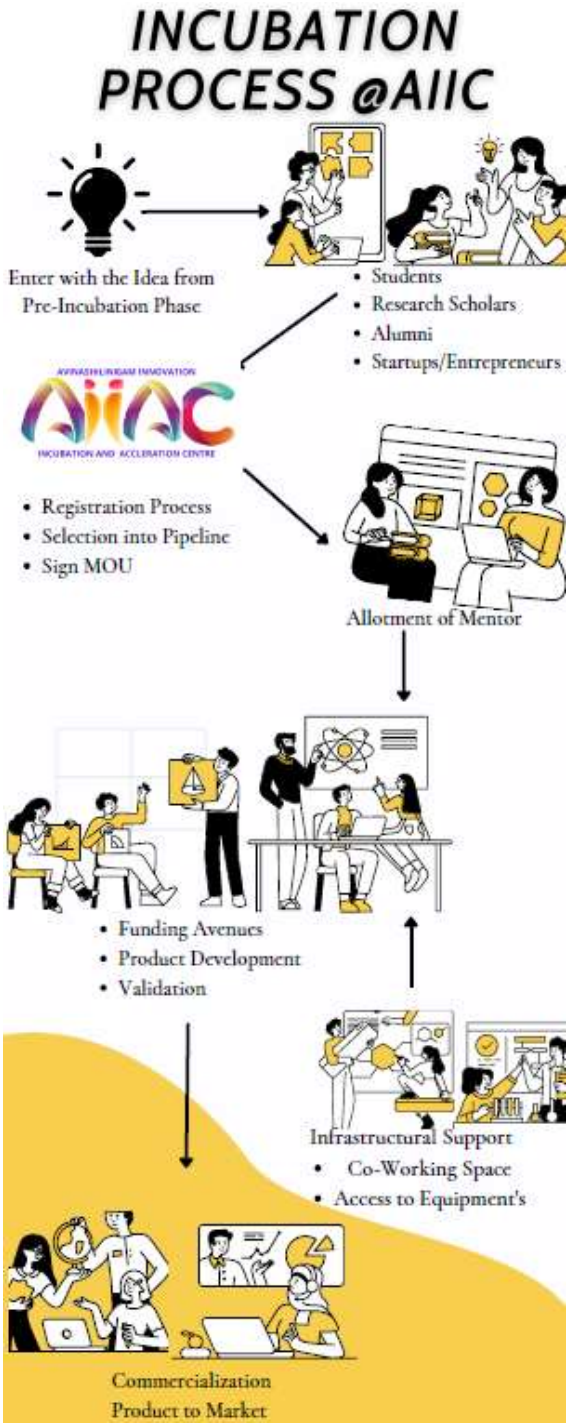
There can be relaxation for established entrepreneurs, have got funding existing ventures revenues with more Rs. 20 lakhs or above. In case of prescreened and previewed business idea by any grants / competitions on the approval of the concerned committee, the same will be directly taken for preincubation or incubation as the case may be.

Progress Evaluation:

Apart from the initial evaluation the Board of the Incubation along with the Mentors will meet every Quarter and evaluate the progress in terms of business progress, finance utilisations & constraints, pre and post marketing strategies:

a. Development stage
b. Prototyping stage
c. Testing stage
d. Premarketing plans
e. Venture Capitalists/Angel Investors involvement and support
f. Full scale implementation
g. Ethical issues if any
h. Full scale Manufacturing
i. Exit Stage

The incubatee may be asked to provide more frequent updates if required and suggested by the mentors.


INCUBATION PROCESS @AIIC
Enter with the Idea from Pre-Incubation Phase
• Students
• Research Scholars
• Alumni
• Startups/Entrepreneurs
AIIAC
• Registration Process
• Selection into Pipeline
• Sign MOU
Allotment of Mentor
• Funding Avenues
• Product Development
• Validation
Infrastructural Support
• Co-Working Space
• Access to Equipment's
Commercialization
Product to Market

2.1.2 Intellectual Property Rights Cell and Technology Transfer Cell

The Technology and Commercialisation Cell attached with the DORD will promote innovative ideas of Faculty/Scholars/ Students and fine tune them to products. It will transform products into business ideas to reality and foster an entrepreneurial culture. Innovation Centre will not only facilitate students but also scholar, alumni, faculty and startups. The students and faculty members intending to initiate a venture based on the technology developed or co-developed by them or the technology owned by the institute, should be allowed to take a license on the said technology on easy terms.

- To enthuse all students (UG, PG & PhD), faculty and Alumni to take up innovative projects.
- Create multidisciplinary groups within the institution to develop projects and prototypes that will be helpful to the society.
- Identify projects that are patentable and help in filing patents
- Liaison between industry/ organisations and other institution to help faculty create avenues for consultancy
- Encourage partnership in research with national and international institutions
- Ensure periodic mentoring of students and faculty by business experts and industrialists enabling pre-incubation

Intellectual Property Regulations:

a. Promoters should declare IP at the time of admission and declare the Intellectual Property is developed by the institute or owned by the incubatee company.
b. In case the incubatee company is desirous of using the Intellectual Property of AIHSHEW like patent, software code, copyright, design registration, developed product, etc., then the company shall make such request in writing to AIIAC. The terms and conditions for such IP licensing shall be decided by the Institute.
c. The patents will be filed in the name of the Institute in case of Innovators in the category of Students, Research Scholars , Faculty and Alumni(if they don't own an IP at the time of admission)
d. The product will be branded in the name of Avinashilingam unless the concerned Committee decides a different brand name for the product or technology developed.

e. The patent ownership may be transferred to the Inventors for the purpose of sourcing funds and commercialization to fulfill the eligibility of funding agencies
f. The incubatee company shall inform AIIAC and IPR Cell, if any students have worked on the technology and if their work will be incorporated in the product(s).
g. The incubatee company shall inform AIIAC and IPR Cell, if any IP has been generated as a result of collaborative work with faculty members (who are not promoters) is being incorporated into the product(s).
h. The incubatee company shall inform AIIAC and IPR Cell, if any AIHSHEW infrastructure (hardware, testing setup, instrumentation, computing resources, processes) has been used in developing the IP or technology that will go into the product(s).
i. The incubatee company shall inform AIIAC and IPR Cell about any agreement with AIHSHEW that the IP has been assigned to the company for commercialization.
j. The innovator (Students/Scholars, Faculty, Alumni, Women entrepreneurs) would have the option of first purchasing the rights of IP from AIHSHEW and then being incubated or assigning equity to AIHSHEW in lieu of direct payments to AIHSHEW.
k. If the students or faculty members use the technology developed or co-developed by them for which patent is registered in the name of AIHSHEW, a license fees may be levied as upfront fees or royalty may be claimed. The royalty can be claimed which might vary between 2% to 10%. The technology transfer would attract an upfront fee which may be competitively negotiated.
l. The royalty received by the incubators shall be subjected to all regulations of revenue and taxation as the incubator is a not for profit company and incubatee are for profit entities.
m. If the IPR is developed by innovators not using any institute's facilities outside office hours or not as a part of curriculum then the IPR will be entirely owned by the Inventors/Innovators and they can use the technology the way they deem fit.
n. If there is any dispute in the ownership a minimum 5 membered committee consisting of two faculty members (having developed sufficient IPR and translated to commercialization), two of the institute alumni / industrial experts (having experienced technology commercialization) and one legal advisor with

experience in IPR will examine the issue after meeting the inventors and help them settle to the satisfaction of all.

o. When IPR is developed as a part of curriculum/academic activities IPR to be jointly owned by the inventors and institute
p. IPR cell or Incubation Centre will only be a facilitator for providing the services to the incubates. They will have no say on how to the invention is carried out, how it is patented or how it will be licensed. If the institute is paid for the patent filing, they can have the committee which can examine whether the IPR is worth patenting.
q. All institute's decision making body with respect to Incubation/IPR/ Technology licensing will consists of faculty and experts who have excelled in technology translation. Other faculty in the department/institute will have no say, including Heads of Departments and Deans.
r. When all the subject matter of legality shall be scrutinized by the IPR cell and consider the incubator's decision before selecting a startup for incubation.
s. The incubatee would maintain a register with the details of any IP (patents, licenses, copyrights etc) that has been brought into the company prior or during their stay at AIIAC. Also, any IP developed during the stay would be maintained in the register.
t. In case of the joint patenting with the institute, the innovator shall be given the rights of commercialization based on an undertaking towards revenue sharing/ one time fee as technology transfer fee by the institute.

Notwithstanding anything written above, Intellectual Property Rights will be governed by the Intellectual Property Rights Cell of AIHSHEW

- AIIAC shall identify and empanel private IP Centres to partner or engage with startup networks, associations, co-working spaces, etc. to provide IPR guidance to startups.
- Existing IP Support Centres will also be strengthened to serve as Patent Information Centre (PIC) and/or Intellectual Property Facilitation Centres (IPFCs)
- Technology Transfer cell to be established in order to convert the available technologies into marketable prospect so that the translation will help to accrue the benefits for which it is created.

2.1.3 Tech Bank (Annexure – 1)

A Tech Bank with the ideas of Faculty, Research scholars and Students will be maintained and updated time to time. The ideas have to be transformed to progressive stages periodically and Technology Readiness Levels required for commercializing a particular product to be achieved in consultation with the concerned Innovator, Mentor and Sponsor. The DORD helps in scrutinizing the ideas compiled in order to improvise the technology readiness level to make it market-ready product.

2.2 Resource Mobilisation

Resource mobilisation plans will be made for supporting pre-incubation, incubation infrastructure and other facilities. A sustainable financial strategy should be defined in order to reduce the organizational constraints to work on the entrepreneurial agenda.

a. Investment in the entrepreneurial activities should be a part of the institutional financial strategy. **Minimum 1%** fund of the total annual budget of the institution should be allocated for funding and supporting innovation and startups related activities through creation of separate '**Innovation fund'**.
b. AIHSHEW will provide infrastructure and facilitate to promote innovation and startups related activities. Attempts will be made by AIIAC to **raise funds from diverse sources such as State and Central** - DST, DBT, MHRD, AICTE, TDB, TIFAC, DSIR, CSIR, BIRAC, NSTEDB, NRDC, TNSSGF, Startup India, Invest India, MeitY, MSDE, MSME, etc. and non-government sources. Further, the **membership with industrial and Entrepreneurial forums** will provide gateways of funding options.
c. To support technology incubators, AIIAC may approach private and corporate sectors to generate funds, under **Corporate Social Responsibility** (CSR) as per Section 135 of the Company Act 2013.
d. AIHSHEW may also raise funding through **industrial sponsorships and donations**. AIHSHEW will actively **engage alumni network** for promoting

Innovation & Entrepreneurship (I&E). A **Corpus Fund** can be created through alumni fellowship schemes (proposed).

e. The AIIAC may link the Startups with **National/International fund providers** and allow the Startups to take up corporate research projects to generate revenue (proposed).
f. AIHSHEW will also work with **industries/ Venture Capitalist** (VC) / Govt. institutions to set up a "**Student Startup Fund**" to support outstanding Startups (proposed). The Institute may plan for an **Investors Summit**.
g. Incubation centre will try to create **Angel Fund** for the benefit of students and each team selected will be given seed money of not exceeding Rs.200,000.00. The time to return would be one year (proposed).
h. The start-ups will search for VCs and produce the agreement of such investments.
i. The incubation centre could suggest VCs if the start-ups so desire but the understanding and the MoU will be between the start-ups and the VCs, in no way the centre will be responsible in the financial dealing.
j. All the grants received from different sources will be managed by a **Seed Fund Board** duly constituted by AIIAC (proposed).

Sources of Income for Proposed Incubator

Rental Model

- Rental charges to the clients-space and usage of equipments

Equity Model

- Incuabtor can aim for 2%-6% stake in Incubatees business
- Additional equity may be charged based on scalability of Incubatee's business

Royalty Model

- Royalty 3%-10% at the time of revenue generation- Transfer of Technology fee/ royalty claim

Contract Research Scheme (CRS)

Facilitation Services

- Registration fees for an incubatee
- Mentorship –Idea validation, Proof of concept, scalability and business model
- Networking – Venture Capitalist, Sponsorship, Consultants, Corporate alliances, Angel investors, Government agencies
- Marketing Support / Vendor Connects
- Assistance in bank loans
- IPR/licensing/certification services
- Pitching and designing

Courses/Capacity Building

Course Fee/ Training Registration

- Promotion of PG program in Entrepreneurship and Innovation – Collection of course fees
- Conduct of Training programs – Faculty, Students, Scholars, Alumni,start ups
- Technology Entrepreneurship Develeopment programme(TEDP), Women Entrepreneurship Develeopment programme(WEDP), Boot Camps, Student Entrepreneurship Awareness Camp
- Course fee – digital marketing, robotics and other professional certificate programmes

Testing Facilities

- **Rental/Incubation charges**

Consideration for infrastructure and services: For a company with office space of 100 sq feet and 1 PC, the service charge comes to minimum of Rs. 4,000 /- per month as per the following calculation: *

Particulars	Charges*		
	Startups	**Students / Research Scholar/Alumni**	**Faculty**
Office rent (monthly)	Rs. 2,000 (Rs. 20 sq.ft per month for 100 sq. ft.)	Free (for a period of 6 months)	Free (for a period of 6 months)
PC rental	Rs. 1,000 Rs. 1,000 per PC for month (1 PC)	Free (for a period of 6 months)	Rs. 1,000 Rs. 1,000 per PC for month (1 PC)
Printer Facility	Rs. 200	Rs. 200	Rs. 200
Internet connection per login per month	as charged by the Computer Centre	as charged by the Computer Centre	as charged by the Computer Centre
Electricity charges including air-conditioning	On actual	On actual	On actual
Occupancy after completion of	Rs. 30 per sq.ft.	Rs. 20 per sq.ft.	Rs. 30 per sq.ft.

incubation period (monthly)			
Occupancy after two years of incubation period	Rs. 40 per sq.ft.	Rs. 30 per sq.ft.	Rs. 40 per sq.ft.
Exhibition Area	Rs. 1,000 per day	Rs. 750 per day	Rs. 1,000 per day
Lab Usage Fee	Rs. 250 per hour	Rs. 250 per hour	Rs. 250 per hour
Sales Counter Usage Fee	1% of online and offline sales value of the product	1% of online and offline sales value of the product	1% of online and offline sales value of the product
Training Fee	Fixed by the Co-ordinator based on the Programme, duration, participation category and other requirements	Fixed by the Co-ordinator based on the Programme, duration, participation category and other requirements	Fixed by the Co-ordinator based on the Programme, duration, partici-pation category and other requirements
Mentoring Services per day	Rs.2,500 for 3 hrs.	Rs.1,000 for 3 hrs.	Rs.2,500 for 3 hrs.

* *Rental policy may vary*.

a. Get their accounts audited and their books of accounts are open for inspection.
b. The incubatee may be asked to provide more frequent updates to AIIAC.
c. Those who have taken the seed support will have to adjust their undisbursed portion of the amount to the performance of the company.

• Facilitation for Government funding programs - In return of the services and facilities, institute may take 2% to 6% equity/ stake in the startup/ company, based on brand used, faculty contribution, support provided and use of institute's IPR (a limit of 6% is suggested so that the Institute has no legal liability arising out of

startup. The institute may take much lower equity share, unless its full-time faculty/ staff have substantial shares).

- Other factors for consideration should be space, infrastructure, mentorship support, seed funds, support for accounts, legal, patents etc. The Centre shall extend funding for attending training programs, conferences and trade shows of high repute to the extent of 30% of total training cost subject to a maximum of Rs.20,000.

• Membership fee details are given below:

Member category	Registration and Membership fee	Annual Subscription Fee
Students	500	1,000
Research Scholars	750	2,000
Self Help Groups / Startups / Entrepreneurs	10,000	5,000
Virtual Incubatee	500	2,000

** - Only active members can avail the incubation facilities*

- However, AIIAC may at its discretion revise the rates from time to time.

2.3 Skill Development

The existing bodies of Entrepreneurship Development Cell, Institution Innovation Council and Skills Development Centre together can enhance the skill set of students through Training Programmes, Awareness Camps, Boot Camps. The integrated efforts can help to identify potential incubatees and who can be brought into the innovation pipeline. The capacity building will enhance the skills of students with advanced personal dexterity who can be moulded as future entrepreneurs. The skill building process may bring in good inputs to pre-incubation process of identified students/faculty.

3.Nurturing Innovations and Startups

3.1. Thrust Areas

To begin with the following thrust areas are identified based on the commendable contributions made by the institute.

(i) Bio Ventures

- Functional Foods & Nutraceuticals
- Waste to Wealth
- Technical Textiles

(ii) Non-Bio ventures

- Embedded Sensors and IoT
- Assistive technologies
- Arts and craft

(iii) Emerging areas of relevance

3.2. Focus Group

The hub will be involved in developing products that address the prevailing challenges and needs of the society with an emphasis on specific beneficiaries such as Women, Children and Geriatric population.

3.3. Target Incubatees

The following will be the target incubates -

- Students/Scholars - A student or a group of students (not exceeding three), with/without a mentor studying in AIHSHEW with a viable business idea
- Faculty - A faculty of AIHSHEW having an innovative idea or patent or prototype and has perceived further steps towards developing a prototype/product/ process enhancement.
- Alumni - An alumni of AIHSHEW willing to become an entrepreneur with an innovative idea / proof of concept /prototype with market potential

- Women start-ups/entrepreneurs - An aspiring women entrepreneur having an innovative idea or proof of concept or prototype who wants to venture into a start up in the emerging areas of thrust of the AIIAC

3.3a Policies for Students / Scholars:

On-roll students/ Scholars who decide to start a venture, during their study period in AIHSHEW, will be encouraged by:

a. A student/scholar desirous of equipping themselves to become an entrepreneur need to register and sign an MoU with AIIAC (Annexure 2.a)

b. Exempting them from final year Project work and their work in enterprise will be considered as the project. The details regarding innovation or product development related to their research/ project topic should be included in thesis/ dissertation/ report

c. Their attendance requirement will be relaxed to facilitate them to concentrate on their enterprise.

d. Such students/ Scholars, if absolutely necessary, can take two semesters of break and re-join.

e. Such students/ Scholars will be allowed to use infrastructure of the institution free of cost, however after establishing and settling down, the student(s) should contribute to the development of laboratories, in consultation with the relevant Committee.

f. Companies that are promoted by students enrolled for full-time Degree at an Educational institute shall not be offered incubation if student is holding an Executive position, however companies promoted by students are eligible to apply for incubation provided student is not actively engaged with the company beyond any engagement which may be permitted by the Institute.

g. AIHSHEW students will be given 5% grace marks and 20% attendance for every semester for student Prototype/ Startup teams.

h. AIHSHEW students may be permitted to undertake their Industrial and Project work at AIIAC where additional facilities are available on payment mode.

i. AIHSHEW student entrepreneurs working on a Startup idea from first year will be permitted to convert into their final year project for degree completion.

j. AIHSHEW students/Research Scholars can avail special leave for a semester to work for a Startup on a fulltime basis.

k. Student inventors may also be allowed to opt for startup assignments in place of mini project/major project/seminar/summer training. The area in which the student wants to initiate a startup may be inter-disciplinary or multi-disciplinary. The student should explicitly state how they will clearly distinguish their ongoing research activities as a student from the work being conducted at the startup.

l. Students who are under incubation but are pursuing some entrepreneurial venture while studying should be allowed to use their address in the institute to register their company with due permission from the institution. Student entrepreneur should allow to sit for the examination even their attendance is less than minimum permissible percentage with due permission from the concerned authority.

m. Institute should be setup a review committee for review of the startups of the students and based on their progress made it may consider giving appropriate credit for academics.

n. AIHSHEW students shall be given an additional 4 credits on successful development of the prototype in over and above the total program credits.

o. AIHSHEW students/Research Scholars, on returning, must satisfy all norms as per the course requirement to complete the course.

p. The Gap Year facility should ensure syllabus continuity at the time of joining back and after an appraisal process by an incubator where the student is attached.

q. Outstanding PG students who wish to pursue entrepreneurship can take a break of one year after 1st year, Professional graduate can take a break

after 2nd year and 5-year Integrated course student can take a break after 3rd year to pursue full time entrepreneurship.

r. This may be extended to two years at the most and these two years would not be counted as the maximum time for graduation.

s. Thus, a student shall be given an extra 2 years to complete all the requirements of the program of study.

t. Revenue generated in the startup company of AIHSHEW Students/ Research Scholars incubated at AIIAC shall be shared between Students/Research Scholars and AIIAC in the ratio of 80 % and 20% respectively for duration as per Exit Policy. The same will be deposited in the AIIAC's account.

u. AIIAC will provide a facilitating environment for UG, PG, Ph.D., Post-Doctoral students, Research Staff, faculty (including temporary), alumni of AIHSHEW and potential Startup applicants even from outside AIHSHEW.

v. All students of Ph.D/ M.Tech./Professional PG courses have to register in incubation centre.

w. Details regarding innovation / product development related to their research / project topic should be included in Ph.D thesis/ dissertation.

x. The students should not hold executive or managerial positions during the course of their study in the new venture.

y. Best student innovator award may be constituted.

Creating Pre-incubation facility for students/ Scholars

- This is to be used by students/ Scholars of AIHSHEW.
- Students/ Scholars to be enrolled in Pre-incubation facility.
- Each student/ Scholar to have a faculty member as mentor (internal or external). The external members to get registered with the Incubation Centre who may be Academicians, Industrialists, Scientists or NGOs.
- This is a support system for students/ Scholars to "test" their ideas.
- They will be given 6 months' time to validate their ideas.
- Pre-incubatees will get space in the incubation centre or in the respective department to work on proof of concept.

- Institute to provide seed fund, if possible.
- Pre-incubation Centre will be accessible to all interested students/ Scholars.
- Pre-incubation Centre to conduct "Ideation Festivals/ Hackathons" at regular intervals to encourage students/ Scholars to generate ideas and bring viable ideas into innovation pipeline.
- Pre-incubatees to undergo training in Incubation centres of AIIAC to understand more about innovation and entrepreneurship.
- Pre-incubation period will be for a period of 6 months.

Incubation Center

- After completing Pre-incubation phase, Pre-incubatee to register as incubatee in the Incubators.
- After their innovative ideas are validated, they can register a Startup company.
- Eligibility criteria: Students/ Scholars who have completed pre-incubation
- Upon admission in the incubation center, the following facilities will be offered to the incubatee companies on chargeable basis as decided by the institute
    - Office space
    - Computers
    - Printer
    - Internet connection
    - Standard Furniture as decided by AIHSHEW/Incubators
    - Basic and advanced instruments of AIHSHEW (List enclosed in **Annexure 3**)
    - Document scanner
    - Library
    - Meeting and conference rooms with tele or video conferencing facilities
- Internal Support: Incubatees will be supported with student interns if desired, to meet their Technical/Marketing/Sales requirements.
- Incubation infrastructure will be offered free of cost for a period of 6 months.

- A company desirous of getting seed loan may submit an application for seed fund after three months of incubation. The application of the seed loan shall clearly indicate the requirement, activities, expenditure heads and timeline.
- Tenure of Incubation could be for 2 yrs with extension of another 6 months, if needed.

3.3b Policies for Faculty:

Faculty desirous to participate in start-up as mentor on the request of a start-up, she may be allowed to do so, without affecting their regular academic work.

a. If a faculty herself has volunteered to venture into a start-up of her own or with fellow faculty/ staff, she may be allowed to do so. Such faculty need to sign an agreement as indicated in **Annexure-2.b**

b. Faculty can take a semester break to concentrate on the start-up with 50% pay. Such faculty will reimburse the amount thus received once the start-up gets orders.

or

Faculty can take off for a semester / year (or even more depending upon the decision of review committee constituted by the institute) as sabbatical/ unpaid leave/ casual leave/ earned leave for working on startups and come back.

c. In case the faculty/ staff holds the executive or managerial position for more than three months in a startup, then they will go on sabbatical/ leave without pay/ earned leave.

d. Participation in startup related activities need to be considered as a legitimate activity of faculty in addition to teaching, R&D Projects, Industrial consultancy and management duties and must be considered while evaluation an annual performance of the faculty. Every faculty is expected to choose a mix and match of innovation and entrepreneurship activities.

e. The faculty will have to incubate the start-up, in the institute's incubation centre and will have to go through all the processes that are required

f. The permanent faculty who wish to involve in Startup on a part time basis can spend a day in a week in the Startup in addition to their teaching, research and other official activities.
g. The contract faculty / Research staff who wish to involve in Startup can spend a day in a week in the Startup in addition to their teaching, research and other official activities.
h. The temporary / contract faculty need to sign an undertaking along with their mentor in case of any seed grant funding received/ at the point of technology transfer /commercialization.
i. The institute may allow the use of its resources to the faculty to establish a startup as a full-time effort. The seniority and other academic benefits during such period may be preserved for such staff or faculty.
j. Revenue generated in the startup company of AIHSHEW faculty incubated at AIHSHEW shall be shared between faculty and AIIAC/AIHSHEW in the ratio of 70 % and 30% respectively for a duration as per Exit Policy.
k. Participation in Startup related activities needs to be considered as a legitimate activity of faculty in addition to teaching, R&D projects, industrial consultancy and management duties and must be considered while evaluating the annual performance of the faculty.
l. Faculty should not engage research staff or other staff of institute in activities of their Startup and vice-versa.
m. The capital investment of permanent faculty is treated as a purely private commercial transaction for which University is not responsible.
n. Every faculty may be encouraged to mentor at least one Startup for which due recognition to be given during their performance appraisal.
o. For staff and faculty, institute can take no-more than 20% of shares that staff / faculty takes while drawing full salary from the institution or 40% of the revenue generated.
p. No restriction on focusing in the creation of new ventures as long as the faculty do not spend more than 20% of office time on the startup in advisory or consultative role and do not compromise with their existing academic and administrative work / duties.
q. In case of compulsory equity model, Startup may be given a cooling period of 3 months to use incubation services on rental basis to take a final

decision based on satisfaction of services offered by the institute/incubator. In that case, during the cooling period, institute cannot force startup to issue equity on the first day of granting incubation support.

Creating Pre-incubation facility for Faculty

- This is to be used by Faculty of AIHSHEW.
- Faculty to be enrolled in Pre-incubation facility.
- This is a support system for Faculty to "test" their ideas.
- They will be given 6 months' time to validate their ideas.
- Pre-incubatees will get space in the incubator or any other dept to establish proof of concept.
- Institute to provide seed fund if possible.
- Pre-incubation Centre will be accessible to all interested Faculty.
- Pre-incubatees to undergo training in Incubation Centres of AIIAC to understand more about innovation and entrepreneurship.
- Pre-incubation period will be for a period of 6 months.
- Best Faculty Innovation Award will be decided as per AIHSHEW-AIIAC Guidelines.
- The reward system for the staff may include sabbaticals, office and lab space for entrepreneurial activities, reduced teaching loads and awards.
- A performance matrix should be developed and used for evaluation of annual performance.

Incubation Center

- After completing Pre-incubation phase, Pre-incubatee to register as Incubatee in the Incubators.
- After their innovative ideas are validated, they can register a Startup company.
- Eligibility criteria: Faculty who have completed pre-incubation, regular faculty, individuals partnered with Faculty.
- Upon admission in the incubation center, the following facilities will be offered to the incubate companies on chargeable basis as decided by the institute
    - Office space
    - Computers

- Printer
- Internet connection
- Standard Furniture as decided by AIHSHEW/Incubators
- Basic and advanced instruments of AIHSHEW (List enclosed in Annexure 1)
- Document scanner
- Library
- Meeting and conference rooms with tele or video conferencing facilities

- Internal Support: Incubatee will be supported with student interns if desired, to meet their Technical/Marketing/Sales requirements.
- Incubation infrastructure will be offered free of cost for a period of 6 months.
- A Faculty desirous of getting seed loan may submit an application for seed fund after three months of incubation. The application of the seed loan shall clearly indicate the requirement, activities, expenditure heads and timeline.
- Tenure of Incubation could be for 2 yrs with extension of another 6 months, if needed.

3.3c Policies for Alumni:

Alumni Startup candidates will be selected by a committee based on the project submitted to the incubation Centre. The selected candidate will be required to function either full time or part time.

Alumni shall register their company with due permission/ information from/to AIIAC/AIHSHEW. The interested Alumni has to sign an MoU with AIIAC for Incubation. (**Annexure 2.c**)

Creating Pre-incubation facility for Alumni

- This is to be used by Alumni of AIHSHEW irrespective of year of passing.
- Alumni to be enrolled in Pre-incubation facility along with the mentor
- This is a support system for Alumni to "test" their ideas.
- They will be given 6 months time to validate their ideas.

- Pre-incubatees will get space in the incubator or any other dept to establish proof of concept.
- Institute to provide seed fund if possible.
- Pre-incubation Centre will be accessible to all interested Alumni.
- Pre-incubatees to undergo training in Incubation Centres of AIIAC to understand more about innovation and entrepreneurship.
- Pre-incubation period will be for a period of 6 months.
- Best Alumni Award for innovation also will be decided as per AIHSHEW-AIIAC Guidelines.

Incubation Centers

- After completing Pre-incubation phase, Pre-incubatee to register as Incubatee in the Incubators.
- After their innovative ideas are validated, they can register a Startup company.
- Eligibility criteria: Alumni who have completed pre-incubation/ Alumni with tested prototype
- Evaluation criteria: Strength of the prototype idea in terms of technology content, innovation, timeliness and market potential will be evaluated.
- Upon admission in the incubation center, the following facilities will be offered to the incubate alumni on chargeable basis as decided by the institute
    - Office space
    - Computers
    - Printer
    - Internet connection
    - Standard Furniture as decided by AIHSHEW/Incubators
    - Basic and advanced instruments of AIHSHEW
    - Document scanner
    - Library
    - Meeting and conference rooms with tele or video conferencing facilities
- Internal Support: Incubatees will be supported with student interns if desired, to meet their Technical/Marketing/Sales requirements.

- An alumni desirous of getting seed loan may submit an application for seed fund after three months of incubation. The application of the seed loan shall clearly indicate the requirement, activities, expenditure heads and timeline.
- Tenure of Incubation could be for 2 yrs with extension of another 6 months, if needed.

3.3d Policies for Women Start-ups / Women Entrepreneurs

Potential incubatees are those women with innovative ideas, innovative projects or dissertations with feasibility conversion to products/ services, Micro and small business enterprises, funded/ non-funded start-ups.

Eligibility: Any person desirous of availing incubation facilities has to incorporate a private/public limited company under the Indian Companies Act and sign an MoU with the Incubator (attached herein as **Annexure-2.d**) along with required documents. No application for incubation can be entertained if the applicant has not incorporated a private/public limited company under the Companies Act. The alumni possessing a startup or company registered for 2 years and above will be treated as women entrepreneur.

1. **Submit Executive Summary or Business Plan:**

   As a first step in the admissions process, the prospective company should submit an Incubation application containing the business plan, Certificate of incorporation and Memorandum & Articles of Association. AIIAC shall present the executive summary to an internal review committee for comments on technical and business feasibility of the idea.

2. **Evaluation Criteria:** Some representative criteria to be applied for evaluation (not limited to these)
   1. Strength of the product idea in terms of its technology content, innovation, timeliness and market potential
   2. Profile of the core team/ promoters
   3. Intellectual Property generated and the potential of the idea for IP creation
   4. Financial/ Commercial Viability and 5 year projections of Profit & Loss Account, Balance Sheet and Cash Flows

5. Funds requirement and viability of raising finance
6. Time to market
7. Break-even period
8. Commercial potential, demand and requirement in India
9. Scalability Plans

Presentation to Evaluation Committee of AIIAC:

If the initial evaluation of the business plan / executive summary is positive, AIIAC will arrange a meeting at AIIAC with the company founders, during which the company will be expected to present a presentation describing critical aspects of the business plan to an evaluation committee. The presentation will be followed by questions. After the presentation, a final decision will be made regarding the company's entry into the incubator. The company will be informed of final decision execution of the Minutes of the said Meeting. Such presentation through video conferencing is also permitted.

The AIIAC will facilitate the startup activities by allowing the entrepreneurs to use the infrastructure as per the choice of the potential entrepreneur in the following manners:

i. Short-term / 6 months/1-year part – time entrepreneurship training
ii. Mentorship support on regular basis.
iii. Facilitation in variety of areas including technology development, ideation, creativity, design thinking, fund raising, financial management, creation of new ventures, business development, product development, social entrepreneurship, pricing strategies, marketing dynamics, human resource management as well as law and regulations impacting business.
iv. Institute may also link the startups to other seed-fund providers /angel funds/venture funds or itself may setup seed-fund once the incubation activities mature.
v. IPR facilitation
vi. Technology Transfer

AIIAC may at its discretion seek advice of various government bodies who have sponsored the incubation centre like DSIR, DST, TDB, NSTEDB, TIDE, MCIT, MSME, etc.

Non-Disclosure:

AIIAC, AISHEW adheres to strict confidentiality throughout the application process. However, AIIAC, AIHSHEW will not sign any "non-disclosure" agreements.

3.4 Infrastructure and Services of AIIAC:

Upon admission to AIIAC, the following facilities will be offered to the incubatee companies on an individual basis:

- Office space
- Computers – up to two on rental basis. More than two can be availed at market rates.
- Printer
- Internet connection
- Phone connection– Each company will pay the rentals and bills
- Standard Furniture

Common infrastructure: AIIAC provides a common pool of hard and soft infrastructure to be shared by all incubate companies. Following resources are provided:

- Fax machine
- Photocopying machine
- Document Scanner
- Library: Management Books, Subscription to IT, Business, Management and Trade journals and newspapers
- Meeting/Conference room with projection equipment

3.5 Mentoring and Advisory Services

- One of the objectives of Incubation is to utilize the technical expertise and lab infrastructure of AIHSHEW. Thus, every incubatee that is offered

incubation has to select one faculty from AIHSHEW who shall act as mentor of the incubatee and guide the company on product development.

- Specialized or experienced mentors to be made available to the incubatees to assist with particular strategies or to provide project-oriented consultation
- Institution will associate with professionals for accounting, IP, legal and management expertise on a part-time basis.
- Industry Mentor: AIHSHEW will create a database of mentors/experts.
- In return of the services and facilities provided to the members outside AIHSHEW (including AIHSHEW Alumni), charges are levied based on number of hours of service utilized.
- Other factors for consideration will be space, infrastructure, mentorship support, seed- funds, support for accounts, legal, patents etc.
- The Technical Mentor Committee will consist of experienced and qualified professionals from specific industry, leading bankers, seasoned venture capitalists, academicians and successful alumni entrepreneurs providing mentorship on technical issues (proposed).

3.6 Phases of Startups

Product conceptualization to market strategy for Startups should be developed by the institute on case to case basis using the stages of Technology Reediness Level (TRL) scale. (**Annexure 4**)

- Startup Phase: Time bound approval of proposals would be given in 4 weeks to Innovators to demonstrate their product(s) as Pilot project.
- Boot up Phase: Once the pilot study is successful, the AIIAC will approve companies to initiate product development.
- Scale up Phase: The companies, which have successfully deployed their products in AIIAC, would then be given incentives as per the norms of AIIAC of AIHSHEW.
- Commercialization Phase: The Commercialization Partners Committee will have a team of executives, entrepreneurs and investors who will work closely with Startup team and help in making business plans, networking and marketing of the product(s).

4.0 Operational Strategy

4.1 Pedagogy and Learning Interventions

To provide impetus for fostering innovation in academia, the Government of Tamil Nadu aims to augment academic research and campus environment through structured programmes and incentives to: Students, Faculty, alumni and Entrepreneurs.

- Diversified approach should be adopted to produce desirable learning outcomes, which should include cross disciplinary learning using mentors, labs, case studies, games, etc. in place of traditional lecture-based delivery.
- Institute should start annual 'INNOVATION & ENTREPRENEURSHIP AWARD' to recognize outstanding ideas, successful enterprises and contributors for promoting innovation and enterprises ecosystem within the institute (proposed).
- Tolerating and encouraging failures: Our systems are not designed for tolerating and encouraging failure. Failures need to be elaborately discussed and debated to imbibe that failure is a part of life, thus helping in reducing the social stigma associated with it. Very importantly, this should be a part of institute's philosophy and culture.
- Industry linkages should be leveraged for conducting research and survey on trends in technology, research, innovation, and market intelligence.

4.2. Exit Policy

4.2.1. The Incubatee will be required to leave the incubator under the following circumstances:-

- Completion of stay for eighteen months, unless the stay is extended by AIIAC
- After the completion of the Incubation including extended incubation period, if any.
- Under performance or in-ability to perform business as evaluated and decided by AIIAC/AIHSHEW on case to case basis.
- Irresolvable promoter's disputes in opinion of AIIAC/AIHSHEW on case to case basis.

- Violation of any Statute, rules and regulations of AIHSHEW in the opinion of AIIAC/AIHSHEW on case to case basis.
- Number of employees of the Incubatee company exceeds 20.
- When the annual gross revenues of the Incubatee (excluding all the taxes) exceeds Rs. 50,00,000(Rupees fifty lakhs only)
- When the Incubatee enters in an acquisition, merger or amalgamation deal or reorganization deal resulting in a substantial change in the profile of the company, its promoters, directors, shareholders, products or business plan.
- Incubatee plans for a public issue in the opinion of AIIAC/AIHSHEW on case to case basis.
- Change in promoters'/ founders' team in the opinion of AIIAC/AIHSHEW (DU) on case to case basis.
- Any change of more than 50% of equity ownership unless approved by AIIAC, in the opinion of AIIAC on case to case basis.
- The incubatees would have option of deferring 50% of the rent till the time they exit from AIIAC. For the deferred amount an interest rate of 5% would be charged to incubate. This amount would have to be paid back at the time of exit.
- Any other reason for which AIIAC may find it necessary for the Resident Incubatee to leave.

4.2.2. Notwithstanding anything contained herein in the Agreement with the Resident Company/Incubatee:

- The decision of AIHSHEW in connection with the exit of the Resident Company/Incubatee shall be final and shall not be disputed by any Resident Company/Incubatee; and
- The Vice-Chancellor of AIHSHEW shall have the right to consider any representation in consultation with AIIAC and DORD decide the matter at his discretion which shall be final and binding the Resident company/Incubatee.

5**. Disclaimer**

The incubatee shall realise that AIIAC works in good faith to support women entrepreneurs by translating innovative technologies to commercialization

and creation of new ventures. In the course of providing various services, AIIAC does not undertake responsibility for

1. Ensuring success of an incubatee company, its product/process/services or marketability.
2. Incubatees to have self judgement in taking up the different support and services provided by the AIIAC.
3. The services provided are aimed towards the best satisfaction to the incubates.
4. The incubatee shall agree that AIIAC shall not be held liable for any reason on the account of the above.
5. AIIAC reserves the right to make changes to all incubatees or exception for a particular innovator on a case to case basis.

6. Creating Innovation Pipeline at Institute Level:

Stakeholder engagement should be given prime importance in the entrepreneurial agenda of the institute. Institutes should find potential partners, resource organizations, micro, small and medium sized enterprises (MSMEs), social enterprises, schools, alumni, professional bodies and entrepreneurs to support entrepreneurship and co-design innovative programs.

7. Collaboration, Co-creation and Strengthening Industrial Relationship

AIIAC along with Entrepreneurship Development Cell strengthens the industrial relationship by signing MoUs. The DORD is the strategic hub in collaborating the activities of AIIAC, EDC, IIC and SDC along with relevant industry segments. The DORD has an efficient governance mechanism, which ensures functional autonomy, transparency, accountability, adaptability by strengthening interlinkages to create a conducive research environment.

8. Policy Implementation and Amendments:

The operational procedures will be issued from time to time. This policy is valid for a period of three years from the date of its notification and amendments will be added with the approval of the Advisory Board. The amendments are made to reflect the changes in I and E environment and the policy changes initiated by the Stakeholders in Academia, Industry and the

Government to achieve the targets set. The Centre will evolve Micro Action Plans in line with the goals so that Innovation and Entrepreneurship activities takes place consistently. Any formats required for operational efficiency may be decided by the head of AIIAC in consultation with Legal Advisor and IPR consultant.

9. Entrepreneurial Impact Assessment

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

i. Monitoring and evaluation of knowledge exchange initiatives, engagement of all departments and faculty in the entrepreneurial teaching and learning should be assessed.

ii. Number of start-ups created, support system provided at the institutional level and satisfaction of participants, new business relationships created by the institutes should be recorded and used for impact assessment.

iii. Impact should also be measured for the support system provided by the institute to the student entrepreneurs, faculty, alumni and start-ups / entrepreneurs for pre-incubation, incubation, IPR protection, industry linkages, exposure to entrepreneurial ecosystem, etc.

iv. The incubatees regardless of current status need to adhere to the following requirements in order to create the expected outcome:
    a. The incubatees need to participate actively in the programmes conducted during preincubation phase
    b. Participation in regular meetings with the assignment mentors and or expected to implement the advice of the mentor and show progress.

Impact assessment for measuring the success should be in terms of sustainable social, financial and technological impact in the market. For innovations at pre-commercial stage, development of sustainable enterprise model is critical. Commercial success is the only measure in long run.

10. Way Forward

In order to achieve the objectives of AIIAC, the roadmap suggested through this document is 'broad guidelines' and if required, AIIAC may develop its own comprehensive guidelines and policy on innovation and startups with greater details from time to time. The prospective women incubatees are expected to make use of already available infrastructure as much as possible to achieve the implementation of suggestive measures.

Acknowledgements

Our Sincere acknowledgements are to Dr.T.K.S.Meenakshisundaram, Managing Trustee, Prof.S.P.Thyagarajan, Chancellor, Dr.V.Bharathi Harishankar, Vice Chancellor, Dr.S.Kowsalya, Registrar, Mentors, Director-IQAC, Dean(i/c),DORD and Deans of various Schools for their continuous support and valuable inputs which helped to formulate the Institute's Innovation and Start up policy.

Members of Draft Committee of Avinashilingam Institute's Innovation and Start-up Policy

1. Prof. S.P. Thyagarajan — Chairman
   Chancellor, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore .

2. Dr.V.Bharathi Harishankar — Convener
   Vice Chancellor, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore .

3. Dr.S.Kowsalya — Secretary
   Registrar, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore

4. Dr.Sudha Nair — External Expert
   Mentor - Research, Development and Consulting
   Avinashilingam Institute for Home Science and
   Higher Education for Women
   Former Senior Advisor, Biotech Park for Women, Chennai

5. Dr. J. Arthi — Coordinator
   Professor and Head of Business Administration
   Co- ordinator, Avinashilingam Innovation and Incubation Centre

6. Dr. Kalaiselvi Senthil — Member
   Associate Professor, Department of Biochemistry,
   Biotechnology, Bio- Informatics
   Assistant Dean, Sponsored Research

7. Dr. A. Pankajam — Member
   Associate Professor, Department of Business Administration
   NISP- Nodal officer

8. Dr. B.Nalini — Member
   Assistant Professor
   Department of Physics

9. Dr. T.K.S. Lakshmipriya — Member
   Professor and Head of the Department, Printing Technology

10. Dr Rymala Mathen — Member
    Assistant Professor, Department of Science and Humanities
    Chief co-ordinator of Entrepreneurship Development Centre

11. Dr. R. Pappa Ammal — Member
    Associate Professor, Science and Humanities
    Faculty of Engineering

12. Dr. S. Sumathi — Member
    Associate Professor
    Department of Biochemistry, Biotechnology, Bio- Informatics

Annexure-1

Tech Bank as on 31-03-2022

Annexure I

Tech Bank

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
School of Engineering					
Biomedical and Instrumentation Engineering (BMIE)					
1	CPAP and BiPAP Machine (Integrated Activity CPAP and BiPAP Machine for Sleep Apnea)	Dr. Judith Justin	Low-cost integrated CPAP and BiPAP machine to cure sleep Apnea disorder,	Prototype development Published in Int. Conference Proceedings	TRL3
2	Smart stress meter (Stress Level Identification and Alert System using Advanced Nerve Conduction Learning)	Dr.R.Vanithamani	A meter to detect the stress based on nerve conduction study and IoT	Prototype development Conference Publication	TRL3
3	Healthcare Drone (Location Based Laboratory and Medical Supplies Transporting Healthcare Drone)	Mrs.E.Smily Jeya Jothi	Healthcare drone for the rapid delivery of healthcare requirements at places required	Prototype development Journal Publication	TRL3
4	Prosthetic Arm (Prosthetic Arm Controlling System	Mrs.M.NilaNandhini	An assistive device to help the prosthetic arm users for	Prototype development Journal Publication	TRL3

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
	using Augmented Reality)		controlling their hand in accurate and efficient way.		
5	Smart drip monitor (Patient Drips Monitoring System)	Ms.S.Keerthana	An intravenous drip monitoring device that displays the number of drops left in the drip chamber	Prototype development International Journal Publication	TRL3
6	Haemoglobin Detector (Non-Invasive Detection of Hemoglobin for Cirrhosis Patient using Neural Network)	Ms.Karolinekersine	Monitoring of hemoglobin levels in cirrhosis patient to avoid death due to blood loss	Prototype Development Conference Publication	TRL3
7	Oral disease detection (Oral Disease Detection using Neural Network)	Dr.R.Vanithamani	An accurate prediction for correct diagnosis and treatment of oral disease	Prototype Development Conference Publication	TRL3
8	Wearable tracker (A Wearable Tracking Device Screen Printed on Fabric)	Dr.Judith Justin	Constantly monitors heart pulses of the patient and tracks the health of the person which is displayed to the user through the Bluetooth terminal application.	Prototype Development Conference Publication	TRL3
9	Electronic Glove Hand Glove using Prosthetic hand	Ms.B.Aruna	The application of external power to artificial hands and elbows had a great impact on upper-limb prosthetics.	Prototype Development Conference Publication	TRL3
10	Smart Bandage	Dr.Judith Justin	Smart Bandage with biosensor to continuously monitor the healing process and induce	Prototype Development Conference Publication	TRL3

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
			electric field to speed up the healing process		
11	Automated Cradle (Automatic Neonatal Cradle)	Ms.J.Revathi	An automatic cradle that provides security for the babies from child abduction.	Prototype Development Student Project funding from TNSCST	TRL3
12	Blood Group Monitor & Glucometer	Dr.Judith Justin	A non-invasive technique to identify blood group typing and blood glucose level	Prototype Development Conference Publication	TRL3
13	Sleep Aid for sleep Apnea	Ms.J.Revathi	A device to ensure comfort and minimize sleep disruption. Sleep Aid for Obstructive Sleep Apnea	Prototype Development	TRL3
14	Equipment Tracker (Medical Equipment Management and tracking system using IoT and WSN)	Dr.Judith Justin	To solve the problem of taking over time in searching the equipment in the hospitals during a period of emergency.	Prototype Development	TRL3
15	E-Nose for Diabetes Detection of Diabetes from Gas analysis of Human Breath Using E-Nose	Ms.A.Ramya	An Electronic nose to detect diabetes with only exhaled breath samples based on biomarkers	Prototype Development	TRL3
16	Smart medicine box Medication Alert System Using IoT	Dr.C.Sivamani	Voice activated system to help the elders to consume the right medication at the appropriate time.	Prototype Development	TRL3

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
17	Assistive Device for Visually Impaired Persons An Unobstructive Device for Visually Impaired Persons	Dr.C.Sivamani	An un obstructive device for visually challenged person, to independently navigate without the guidance of others.	Prototype Development	TRL3
18	Medical Suit (Physical Parameter Measuring Medical Suit for Soldiers)	Dr. Judith Justin	An IoT based health monitoring and tracking system of the soldiers.	Prototype Development	TRL3
19	COGNOFIT	Dr.R.Vanithamani	A Game for Cognitive Impaired Patients. It would be a beneficial home care device for Geriatric Dementia patients and persons with Alzheimer's disease	Prototype Development	TRL3
20	UV C Sterilizer Robot	Dr.Judith Justin	UV disinfection equipment uses short-wavelength ultraviolet C (UV-C) light to kill or inactivate microorganisms by destroying nuclhorrnia acids and disrupting their DNA, leaving them unable to perform vital cellular functions. It is used in a variety of applications, such as food, air, and water purification.	Prototype Development	TRL3

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
			Can be used for disinfecting rooms during this Covid pandemic		
21	Smart Electric Wheel chair	Dr. R.Vanithamani	Motorized wheelchair with tracking facility and bed convertibility	Prototype Development Conference Publication	TRL3
22	Talker-Listener- Visual Communicator	Dr.Judith Justin	Real time communication between deaf, dumb, and blind people with voice and gesture	Prototype Development Journal Publication	TRL3
23	Object & Label Reader for low vision shoppers	Mrs.Smily Jaya Jothy	Reading device for Visually impaired	Prototype Development	TRL3
24	Wearable Temperature monitor	Mrs.A.Mahalakshmi	Fabrication of temperature sensor with high humidity Stability for wireless healthcare monitoring	Development Method and Journal Publication	TRL3
25	Smart ECG Fabric Monitor	Mrs.A.Mahalakshmi	Development of Wearable Biosensors for Medical Textiles	Prototype developed Clinical validation done	TRL3
26	Tooth Caries Detector	Dr.Judith Justin	Device and Method of an Infrared Camera to detect dental caries and its images captured stored in a computer or /mobile phone for further processing or second opinion	Product developed Patent Published Patent Published No. 201741015393 A, (02/05/2017)	TRL3
27	DVT Therapy Unit	Dr.Judith Justin	Pulse wave velocity measurement for Deep Vein Thrombosis	Prototype developed Proof of Concept-Validated Clinical validation to be done	TRL3

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
28	Antiviral mask for remote monitoring of vital parameters	Dr.R.Vanithamani	Sensors for measuring temperature in the exhaled breath, Oxygen saturation and breath rate incorporated in the e-mask. Specialized coatings with nanoparticles are given. Transmission of physiological parameters to enable remote monitoring.	Proof of Concept	TRL3
	Civil Engineering (CE)				
29	Natural day lighting system	Dr.Srimathi	Natural day lighting solar tubular sky light	Product developed 1 article published	TRL3
30	Facade Bricks (Facade Bricks using Bio waste)	Dr.Shanthi	The wide selection of colours, formats and surfaces in combination with various laying patterns and mortar colours allows countless possible designs. These facade bricks protect the building and its occupants against cold, moisture, heat and are fireproof.	Quality testing done for Compressive strength Water absorption Micro-structural study done. Product developed	TRL3

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
31	Solar Sky Light	Dr.N.Srimathy	Solar tubular daylighting devices, for short, are affordable, high- performance lighting solutions.By installing solar tubes, we will get the natural light that skylights provide, but with less cost and less hassle. Light Transmittance: 85%.	Product developed Journal Publication	TRL3
	Computer Science and Engineering(CSE)				
32	Smart Shoe for Gait Analysis	Dr.Sivakumari	Advanced drug consumption detection using active smart shoe gait analysis system.	Prototype Development 1 article published	TRL3
33	Smart Media box	Mrs.Ahila	Smart Medi box IoT enabled patient assisting device.	Product developed 1 article published	TRL3
34	Critical Event Monitor	Dr.Sivakumari	Critical care monitoring with event prioritization using IoT	Product developed 1 article published	TRL3
35	Medical Chatbot	Mrs.R.Ahila	Consort Chat-Bot for Alzheimer Patients using Artificial Intelligence and Cloud	Prototype developed	TRL3
36	Sewage Toxic Gas Detector	Dr.D.Nithya	Smart toxic gas detector and integration with wireless IoT technology	Product developed	TRL3
	Electronics and Communication Engineering (ECE)				
37	Wearable ECG Smart Monitor	Mrs.K.V.Archana	IoT based Wearable ECG Monitoring System to assist	Prototype developed and validated	TRL3

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
			and monitor the remote patients		
38	Surveillance Robot	Mrs. R. Chitra	Spy Robot Surveillance System using IoT	Product developed 1 article published	TRL3
39	Smart Tracker	Mrs.P.Vigneswari	Student Tracker using Mobile Application	Product developed 1 article published	TRL3
40	Domestic Automation Device	G.Mahalakshmi Malini	IoT based Home Automation System Using Voice Recognition	Product developed 1 article published	TRL3
41	Sewage Gas Detector	Mrs.K.V.Archana	Device for detecting hazardous gases (methane) in Sewage Plants	Prototype Developed, Journal Publication	TRL3
42	Smart Insect Repellent	Mrs.K.V.Archana	Insect-borne diseases due to increasing waste from households or commercials can be controlled. The product could be made solar operated also.	Prototype developed, Publication	TRL3
43	Spy Robot	Mrs.K.V.Archana	Spy Robot Surveillance System using IoT. The product is used for surveillance of human activities in remote areas where human intervention is difficult or risky. Robot with camera and sensor for detecting human is prototyped	Prototype developed, Publication	TRL3

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
Food Processing and Preservation Technology (FPPT)					
44	Design and Development of Automatic Fish Descaling, Be-heading and Slicing Machine	Dr.A.Lovelin Jerald Ms.Aarya CR Ms.Ashika KS Ms.Sabaritha P Ms.Shivani S	Prototype Developed	POC available, Article published	TRL3
45	Development and Evaluation of Millet Milk Based Composite Yogurt Powder and its Shelf Life Studies	Dr.P.HemaPrabha Harshini S Ilakiya BK Mintu Susan Kurien Ninu Sunil	New product development	POC available, Article published	TRL3
46	Real Time Quality Detection of Vegetables using Sensor	Mrs.A.Caroline Ms.AnjumYasmine A Ms.Deva M Ms.Prathyusha KS Ms.ReyaShruti S Ms.Sowndarya CD	Development of sensor-based device for quality detection	POC available, Article published	TRL3
47	Smart Storage Bin with Real Time Monitoring and Control of Stored Grains	Ms.R.Sharmeela Ms.Bavaharini K Ms.Haritha K Ms.Jeevanya S Ms.ShinyDevadharshini S	New storage bin Storage design	POC available, Article published	TRL3
48	Device development for the generation of biogas and electricity from Food waste for domestic Applications	Dr.A.Lovelin Jerald Ms.Kirthana S Ms.Nivetha L N Ms.Rithika K S Ms.Shifana S	Prototype Developed	POC available, Article published	TRL3
49	Fabrication of low-cost plate making machine	Dr.A.Lovelin Jerald Ms.Mahakamatchi R	Prototype Developed	POC available, Article published	TRL3

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
	for Biodegradable Coconut shell and fiber	Ms.Nandhini S Ms.Nazeema N			
50	Valorization of Watermelon rind as dietary chips fortified with composite flour	Dr.P.HemaPrabha Ms.Deva Pavithra B Ms.Jashwanthi P Ms.Ishwariya S Ms.Shendhura Devi M	New Product Development	POC available, Article published	TRL3
51	Development of Edible water bubbles by specification a study	Dr.P.HemaPrabha Ms.Arya Aravind Ms.Elakhya S Charumathi G Ms.Jaya Surekha A	New Packaging material	POC available, Article published	TRL3
52	Automatic data logging and monitoring device to know the freshness of milk during transportation	Dr.A.Reni Ms.Arpitha A Ms.Devasena S Ms.Dharani P Ms.Divya T	Prototype Developed	POC available, Article published	TRL3
53	Development of a biodegradable packaging material using bio peels of garlic (Allium sativum)	Dr.A.Reni Ms.Pramodithaa R K Ms.Saieni S Ms.SoundaryaSudarshan Ms.Tamilmani M M Ms.Suprajaa S	Bio-Packaging materials	POC available, Article published	TRL3
54	Fabrication of smart storage and dispensing machine using sensors for food grains	Mrs.S.Ramani Ms.Niharika S K Ms.Prarthana S, Sruthi Ms.PanyamSarrupiya	Prototype Developed	POC available, Article published	TRL3

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
		Ms.Radhakrishnan			
55	Design and fabrication of millet sowing sprayer for small farms	Mrs.S.Ramani Ms.Devadharshini D Ms.DhivyaPrabha T MS.Poorani R MS.Rithuvikka Anand	Prototype Developed	POC available, Article published	TRL3
56	Analysis of bio plastic wrappers derived from fish scale for wrapping candy	Ms.A.Caroline Ms.Sandhiya Shree A Ms.Shiva Dharshini S Ms.Sneha D and Varsha P	New Wrapping material	POC available, Article published	TRL3
57	Development of low-cost bio-absorbent using fruit and vegetable peels for purification of water	Ms.A.Caroline Ms.Bindhu M Ms.Malarvizhi M Ms.Mani Deepa P Ms.Nehha S	Prototype Developed	POC available, Article published	TRL3
58	Biodegradable rigid packaging for extending shelf life of food products	Ms.M.Lavaanya Ms.Jananie R Ms.VaishnaviInduja U Ms.Nandhini K Ms.SwethaShri R	Bio-Packaging materials	POC available, Article published	TRL3
59	Fruits and vegetables freshness detection and spoilage alert system using iot	Ms.M.Lavaanya Ms.Chandrika S Ms.MeeraSundari G Ms.Niranjana Devi N	Prototype Developeds	POC available, Article published	TRL3

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
		Ms.Niveatha K Ms.Ponvizhi R			
60	Bio-packaging using almond hull & shell incorporated with cellulosic fiber	Ms.B.T.NithiyaPriya Ms.Arshavarthni R Ms.Malini A Ms.SowmiyaNivasini M Ms.Swarnamalya.B.L	Bio-Packaging materials	POC available, Article published	TRL3
61	Quality detection of beverages using sensors	Ms.A.Safreena Ms.Pavithra V Ms.Sivagami L Ms.Sivanandhini S MS.Vishnu Varthini R Ms.Yazhini G A	Prototype Developed	POC available, Article published	TRL3
62	Automatic Fish Cleaner and Cutter with Utilization of Wastage	Ms.A.Caroline Ms.M.Afrrin Ms.Akshitha R Ms.Kaaviya Sri R R Ms.Saradhambal M	Prototype Developed	POC available, Article published	TRL3
63	Automatic Harvesting Robot (Pick and place robot)	Dr.A.Reni K.Pooja	Design and development of low-cost Bluetooth controlled automatic harvesting robot for plants	Product developed. Won Ist Prize in National Science Day. Patent Published No:2021410018004A	TRL3
64	Pulp extractor and fruit quality detector	Dr.Lovelin Jerald G.Kavisandhiya	Design and development of quality detector and pulp extractor for guava fruits	Product developed Patent Published No.202141000859 (31.07.2020)	TRL3

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
65	Food Quality Monitor	Dr.A.Reni R.Mohanapriya	Device for quality indicator and monitoring with IoT and GPS.	Prototype developed	TRL3
66	Smart Food Freshness Indicator	Dr.Hemaprabha	Development of Nano biosensor device for detection of food freshness	Proof of Concept available	TRL3
67	Formulation of Edible and Biodegradable Straw using Ipomoea Batatas (Sweet Potato)	Ms.N. Surya Prabha Ms.GokulaVarshini S V Ms.Kamala Priya I S Ms.R.Pavithra Ms.Sripriya B	New product development	POC available, Article published	TRL3
68	Design and Fabrication of Domestic Food Waste Decomposer cum Briquettes	Ms.C.S.Swarnalakshmi Ms.Haripriya R Ms.Kaviyapriya A Ms.Manimekalai P L Ms.Nithya KG Ms.Sindhuja V	Domestic Food Waste Decomposer	POC available, Article published	TRL3
69	Farmers Friendly Refrigerated Vending Machine Associated with IoT for Fruits and Vegetables	Dr.A.Reni Ms.Jothi S Ms.Rubakavani B Ms.Sowmya L Ms.S.Shalini	Prototype Developed	POC available, Publication and selected in AICTE Vishwakarma Contest in prefinal stage	TRL3
70	Surface level detection of Aflatoxin b1 in food grains using sensor	Ms.A.Caroline Ms.Kalpana S Ms.Kowsalya M Ms.M Harshini Ms.Madhumitha R	Prototype Developed	POC available	TRL3

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
71	Quality Assessment of Poultry Meat using Different Sensors by Non-Destructive Method	Ms.B.Janani Ms.Mohanapriya KS Ms.Padmashree G Ms.Tamilarasi P Ms.Tharani CP	Quality Assessment of Poultry by Non-Destructive Method	POC available, Article published	TRL3
72	Development and Comparison of Biodegradable Film from various Starches incorporated with Jack Fruit Seed Powder	Ms.R.Sharmeela Ms.Nathaliya KS Ms.NikhilaSherin S Ms.SugumaranShanmathy Ms.Vaheedha B	Development of biodegradable packaging material	POC available, Article published	TRL3
73	Process of minor millet based yoghurt	Dr. A. Reni	Innovative Yoghurt based Product	Patent Published 202141018004 A	TRL3
Science and Humanities (S and H)					
74	Safety Food coats	Physics (Engineering) Dr.A. Ayisha Begam	Nano edible coatings for fruits and vegetables. Improving Shelf Life	Proof of Concept	TRL3
75	LPG Detector	Physics (Engineering) Dr.A.Banu	A Highly Sensitive LPG sensor based on bio-chemo synthesized Nano Magnesium Oxide. We can test the sensitivity of detection to other gases also in the testing chamber with various ppm.	Product developed using solgel method 1 article published	TRL3
Printing Technology					
76	Customized Book on solar system	Dr.TKS Lakshmi Prabha	Customized book on Solar system for the visually impaired	Prototype Development	TRL3

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
77	Customized Book with braille annotations	Dr.TKS Lakshmi Prabha	Customized books with braille annotations for visually impaired children	Prototype Development	TRL3
78	Tactile Printing Or Assistive Gadget	Dr.TKS Lakshmi Prabha	3D Printed floor map Reader for visually impaired. Allows people to download geospatial data and print out low-cost maps that can clearly differentiate highways, walkways, and railways. Requires 3D modelling of braille and tactile lines for marking boundaries	Prototype Development	TRL3
79	Tactile Printed Book with Augmented Reality (AR)	Dr.TKS Lakshmi Prabha	Making Printed Books Accessible to Visually impaired by Enhancing them with Augmenting Reality (AR) Regional language Stories and articles on regional history, encyclopedia, and traditions	Prototype Development	TRL3
80	Smart Frozen Food Freshness Indicator	Mrs.N.Alagusundari	Printed Electronics based Smart Packages to indicate abnormal temperature differences in Packed Frozen Foods	Development method and Prototype available Temperature sensor using printed electronic circuit	TRL3
81	Smart Food Package Labels	Mrs.N.Alagusundari	Package labels for detecting temperature abnormality. Printed Electronics based	Development method and Prototype smart label available	TRL3

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
			Package Label for frozen foods (Prawn))		
82	Electronic Greeting Card	Dr.TKS.LakshmiPriya	Innovative greeting card with printed electronics	These product will cost only half the market prize. Samples developed. Special prize won for innovative printed product by OPA Print Wonders Contest 2020	TRL3
83	Handmade paper	Dr.T.K.S.Lakshmipriya	Handmade paper with water-hyacinth, banana stem etc.	Samples developed Articles and research paper published	TRL3
84	Smart Paperboards	Dr.T.K.S.Lakshmipriya	Sensor Embedded in paperboard slabs. Smart paperboards thermal controllers as lining for interior walls and ceilings.	Prototype developed Research Paper published	TRL3
85	Powerless Multi Colour Screen Printing Machine and a method of screen printing	Dr.A.Arulmozhi	Powerless Screen Printing on Variable flat substrates	Machine developed for MSME Patent yet to Publish 201741045676,19/12/2017	TRL 4
86	Multi-purpose Combo Product Package	Dr.TKS Lakshmi Priya	Multipurpose Package	Prototype developed for MSME Patent Awarded 201741024944,(18/01/2019)	TRL 4
87	A Machine for the Die cutting Process	Dr.TKS Lakshmi Priya	Powerless Die cutting of Paper and Paperboard	Prototype developed for MSME Patent Awarded 201741024937(18/01/2019)	TRL 4
88	Electronic Interactive Board	Mrs. N. Alagusundari	PE-based interactive boards	One article published, Prototype developed	TRL-4

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
School of Home Science					
Food Service Management and Dietetics					
89	Ready to Eat Millet Flakes	Dr.R.Radha	**Nature of the product:** Ready To Eat Snack. The institute has facilities to produce value added ready to eat millet flakes Standardized product**; FSSAI License is in process. MoU signing in process ;Test:** Glycemic Index, Sensory Evaluation, Nutrient Analysis done. Validated by self. **Patent Published for four machines-** 202141000860A,202141000867A, 202141000864A and 202141000859A	Micro, Small and Medium Enterprises Product Developed. Ready for Commercialization	TRL - 3
90	Cookies & Muffins	Dr.S.Uma Mageshwari Dr.Kalpana	Low GI Baked Products	NRI	TRL 4
91	Prebiotic Biscuit	Dr.S.Uma Mageshwari Dr.ChingriyoRaihing	Baked Prebiotic (Inulin) Food Products	ISSN:1755-1307 E-ISSN:1755-1315-Scopus	TRL 4
92	Seaweed Chocolate	Dr.S.Uma Mageshwari Dr.A. ThahiraBanu	Nutrition Seaweed Chocolate (Patent Awarded)	https://doi.org/10.1016/j.fshw.2015.03.001 -Science Direct	TRL 4
93	Neera Banam Powder (palm nectar)	Dr. P.L.Sridevi Sivakami Ms.Ra.Yogapriya	NeeraBanam Powder is a healthy, thirst-quenching drink and low glycemic index (35-45	Formulation & Physio Chemical analysis of neerabanam powder (*Palm nectar*)Journal of Huazhong	TRL 4

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
			per serving) and possesses essential minerals, making it a health drink. It could be a healthy alternative to soft drinks	University of Science and Technology, Volume 50, Issue 5, pp1-11, ISSN-1671-4512 Impact factor:1.151	
94	Green tea with Lemonoids and Gingerol	Ms.Thilagamani Ms.Surya.V	Antioxidant rich. Can be a beverage for weight management, CVD management	Value Addition of Green Tea with Nutraceuticals - an Acceptability Study, , Journal of Advanced Applied Scientific Research, ISSN 2454-3225, 3(2),41-45. February 2021	TRL 4
95	Millet Khakras	Dr.S.Uma Mageshwari Ms.Thilagamani. S	Fiber and antioxidant rich blend with the healthy choice of Italian millet, wheat flour, curry leaves, carrot and spices as a baked product can be produced as a snack for all ages	Neethu.K.P and Thilagamani.S.,Role of Dietary Fiber- A functional food for cardiovascular health, Asian Journal of Multidimensional Research, ISSN: 2278-4853, 7(2) Issue 2, P204-209, March 2018 Consumption pattern of Dietary Fat and Fiber among Women with risk for cardiovascular disease, Research Highlights, Vol 274, No 3, Pg. 165 – 173, ISSN 2231 – 2374, July 2017, Neethu.K.P and Thilagamani.S.	TRL 5
96	Food mixture	Ms.V.Anuradha Ms.Kavitha.R	Iron rich food ingredients were blended and mixed. Can be used to treat anaemia in adults	NIL	TRL 4

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
97	Nutraceuticals	Ms.V.Premala Priyadarshini Ms.K.Padhmini	Medicinal plants like guava leaves, pepper fruit, sirukurinjan leaf, naval seed, kandankathiri extracts were - incorporated in chapathi to control Diabetes.	NIL	TRL 4
98	Value added rice cake	Ms.V.Saradha Ramadas Ms.Gracedalyle Rose Ms.ShyllaPassah	Adzuki beans, pearl millet, dry ginger powder, ground nuts were incorporated in the rice cake.	NIL	-
99	Fortified cakes and cookies	Ms.Dorothy Jaganathan Ms.Changmei Shadang	Cakes and cookies are fortified with Banyard millet, Foxtail millet, little millet, kodo millet, cholam, pearl millet and finger millet. Rich in Vitamin B 12 and other micronutrients.	NIL	-
100	Value added Dosai, Idiappam, Sev, Dhokla, Adai, Porridge, Rotti, Paniyaram and Biscuit	Ms.V.SaradhaRamadas Ms.Kavitha. V	Value added recipes were formulated with addition of *Spinach oleracea, Annona Squamosa, Murrayakoenigii* and *Ocimum sanctum*. To prevent Diabetes and cardiovascular disease.	NIL	-
Food Science and Nutrition (FSN)					
101	Gluten free Biscuit	Dr.M.V.Alli Dr. S. Kowsalya	Having facilities to prepare biscuits; 3 articles published. Order of **Patent Awaited - (4517/CHE/2013)**	Pharma and food industries Product Developed. Ready for Commercialization	TRL - 4

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
102	Multi nutrient Biscuit	Dr.S.Kowsalya	**Nature of the product:** New product developed from fruit and peel of lime for shelf life extension and versatile usage from industries to domestic purposes. **Test:** Sensory analysis and product testing has been conducted Status of the **Product:** POC, Validated by self. 3 articles published **Patent Published: 202141005798 (19/02/2021)**	Start ups and Small Scale Industries Product Developed. Ready for Commercialization	TRL - 4
103	Nutribar for Sports	Dr.S.Kowsalya	**Nature of the product:** New product developed from Nutraceutical rich ingredients which increased the nutrients content and the shelf life. **Test:** Sensory analysis and product nutrient and Nutraceutical analysis has been conducted. Having facilities to prepare Nutribars; **Patent Published: 202141013795 (02/04/2021)**	Micro, Small and Medium Enterprises Product Developed. Ready for Commercialization	TRL - 3
104	Edible cutlery and films using fruits and Vegetables	Dr.Pa.Raajeshwari	**Patent Published 2021410195795 Nature of the product**: Development of	Restaurants, Hospitals, Hostels. Micro, Small and MediumEnterprises	TRL 4

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
			Edible cutlery from Fruits and Vegetable. Sensory analysis and testing has been conducted. **Machineries developed: Yes** **Status of the Product:** POC, Validated Articles published	Product developed. Ready for commercialization	
105	Fruit Juice alcohol sensor	Dr.Kalpana	Electronic Tongue was used as an analytical gustatory tool for taste analysis and taste recognition which mimics the human taste perception. Product measured the alcoholic content of the fruit juices accurately.	Product developed	TRL3
106	Salacia Prinoides Tablet	Dr.S.Kowsalya, Dr.Usha Chandrasekhar Ms.Geetha.N	The root bark of *Salacia prinoides*was powdered and made into tablet. The tablets used for treating NIDDM subjects	Developing and Evaluation of a Hypoglycemic Tablet with the Herb *Salacia prinoides* (Ekanayakm) The Ind. J. Nutr. Dietet., (1995). 32, 33, Print 0022-3174: e:2348 62IX	-
107	The Antioxidant mix	Dr.Kowsalya.S Dr.Ramalingam.S Dr.Ithayamalar.S.	The Antioxidant mix was prepared. Prepared antioxidant mix brought about improvement in the antioxidant status of breast cancer patients.	Impact of Supplementation of Food Based Antioxidant Mix on the Antioxidant Status of Selected Breast Cancer Patients.' Ind. J. Nutr. Dietet., (2008), 45, 257, Print 0022-3174	-
108	Micronutrient Rich Ladoo	Dr.Kowsalya.S Dr.Sujatha.K	The iron rich Ladoo was developed found to be rich in macro and micronutrients	Formulation and Evaluation of Iron Rich Food Supplement from Green Leafy vegetables for Anemic	-

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
				Adolescent, International Journal of Current Research, 2019,8(11). 42102- 42106, ISSN: 0975- 833X	
109	Formulation of bio available ready to eat iron rich food supplement	Dr.Kowsalya.S Dr. Shunmukha Priya	Formulation of Bio available ready to eat iron rich food mixes from malted millets were prepared	Invitro bio accessibility of Iron and zinc from millet-based convenience foods. International Journal of Advanced Engineering and Research Development, 2017. 4(9) 158-162, e-ISSN (O): 2348-4470 p-ISSN (P): 2348-6406	-
110	Development of Amaranthus Incorporated Nutritious Mix and Extruded Products	Indira Dr.Kowsalya.S	Amaran thusincorporated Nutritious mix was developed	Development and Evaluation of Extruded Products from Amaranthus Incorporated Nutritious Mix Ind. J. Nutr. Dietet., (2010), 47, 285, Print 0022-3174: e:2348 62IX	-
111	Ayurveda Socks	P.Dhanapriya Dr.U.Ratna	The developed socks were cool and comfortable for wear. It can be recommended for long wear hours for both indoor and outdoor usage irrespective of climate. It can also be suggested for people with sensitive skin and skin allergies	Ayurvedic dyeing of cotton fabric using *Micheliachampaca* source, UGC Sponsored National symposium on Eco Textiles and Green Consumerism ETGC 2019, Asian Journal of Multidimensional Research, Vol 8, Spl Issue 3, March 2019, 50-54, 2278-4853, SJIF 2018 = 6.053.	Level 1 Ph. D Research

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
				Effect of herbal dye from selected sources on knitted socks, Man Made Textiles in India, April 2019, Vol XLVII No. 4, Pp- 116-119, 0377-7537.	
Textiles and Clothing (T and C)					
112	Wound Dressing	Dr. S. Amsamani Ms. Resmi G	The potential of underutilized plants by extracting the plant bioactive agents to formulate novel antimicrobial and wound healing agent for medical textiles	Indian Journal of Applied Research on the title, synthesized Nano silver finished viscose spunlace non-woven ISSN 2249-555X, Impact factor: 3.6241, Volume:5, Issue:6, June 2015, P:1-3. *Chromolaenaodorata* in International Journal of Innovative Research in Science, Engineering and Technology, ISSN (Online), 2319- 8753, Volume 3, Issue 6, June 2014, Impact factor: 1.63.	Level 1 Ph. D Research
113	Sports wear	Dr.N.Vasugi Raaja Ms.Jemina Rani P C	The important function performed by garments is to protect the wearer from harmful rays of sun in textiles the major interest in micro encapsulation is currently in new line the application of durable finish	Assessment of Comfort Properties of Eco-Friendly Dyed and Finished Bamboo/Cotton Knitted Fabric for Sportswear". International Conference on Systems, Science, Control, Communication, Engineering and Technology 2016: 114-117.	Level 1 Ph. D Research
114	Herbal finish fabrics	Dr.N.Vasugi Raaja Ms.SowmyaRamani	Manufacture of knitted fabrics and carrying out newline microencapsulation on the	Production of bamboo/cotton and bamboo/polyester blended ring spun yarns and assessment of the quality	Level 1 Ph. D Research

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
			same and antibacterial newline effectiveness were assessed.	characteristics using the self-devised friction testing instrument. International Journal of Current Research, Vol. 5, Issue, 09, pp.2466-2468, September, 2013	
115	Cotton Banana Mixture Fabric Treated with Enzymes and Natural Dyes	Dr.N.Vasugi Raaja Ms.Sucharitha R	The three types of mixture fabric were pretreated with enzymes and dyed with *Butea monosperma* newline flower.	Identification of varieties of banana pseudo stem fiber in Tamil Nadu for textile application, Asian journal of multidimensional research, vol 8, spl issue 3, March 2019	Level 1 Ph. D Research
116	Herbal finished Wound healing Bandages	Ms.Resmi. G Ms.S.Amsamani	Wound healing Bandages with herbal finish extracted and tested with standard	"Evaluating the Antimicrobial Efficiencyof *Chromolaenaodorata* Extracts treated Viscose Fabric for various Concentrations" International Journal of Innovative Research in Science, Engineering and Technology, June 2014, Vol 3, Issue 6, 13688-13692.	Level 2, Animal tests completed
117	Herbal finished Under arm pads	Mrs.S.Amsamani Ms.Amsaveni.M	Under arm pads with herbal finish, Work carried out under the UGC – Major Project entitled " Application of selected herbal antimicrobial finish for feminine health and hygiene products. " Date - 2012-2015	Presented Paper "Eco-under Arm Pads" in the International Conference, Environment, and its Impact on Society, Organised by, JD Birla Institute, Kolkata, from 18th to 20th August 2013.	Level 2, Basic tests completed

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
118	Herbal finished Sanitary Pads	Ms.S.Amsamani Ms.Amsaveni.M	Sanitary Pads with herbal finish, Work carried out under the UGC – Major Project entitled " Application of selected herbal antimicrobial finish for feminine health and hygiene products. " Date - 2012-2015	"Optimization and Evaluation of Antimicrobial Efficacy of Papaya Seed Extract on Nonwoven Fabrics" Research highlights Vol 25, No.4, October 2015.	Level 2, Basic tests completed
119	Smart Wearable Healthcare Monitoring Garment	Dr.R. Amsamani	Metical yarns are used.	Prototype developed Patent Published 201741001283, (7.10.2020)	TRL3
120	Bio Manure from Willow Waste and Bio Waste	Dr.R. Amsamani	Technique and sample in hand Patent Number- 201641044032 Published on17.02.2017	Home Makers / Small scale catering	Basic work has been carried out –TRL 2
121	Briquettes from Willow Waste	Dr. R. Amsamani	Technique and sample in hand Patent Number- 201741013006 Published on 21.04.2017 Paper published	Home Makers / Civil working Units / Small scale catering units / students	Basic work has been carried out –TRL 2
School of Physical Sciences and Computational Sciences					
Computer Science					
122	**Multi-line Braille E-Book Reader**	Mrs.D.Kavitha, B.Voc AI	**Patent status:** Patent Published 202041043700 (7.10.2020)	Visually impaired schools, MSME/Startups	Product developed TRL3

S.No.	Product	Department/ Staff/ Student Involved	Product Description	Strength	TRL
			MoU for commercialization is planned. **Nature of the product**: Single line readers only are available in the market. **Status of the Product:**POC, Self-validated.		
123	Multi-line Braille Book Reader	Dr.Radha, Mrs.D.Kavitha	Multi-line refreshable Braille e-book reader for visually impaired	Product developed Patent Published 202041043700 (7.10.2020)	TRL3
School of Education					
Special Education					
124	Braille Tutoring System	Dr. Vaijayanthi	It is of great demand in Inclusive schools for resource teachers and students with visual impairment at all levels.	Braille tutoring system developed is vital for learning Braille contractions by students with visual impairment. Prototype Development	TRL3
125	Tech Aided Graph	Dr.Rajeswari	Tech aided graph developed is significant in learning graphs among students with visual impairment in Mathematics Education. It is of great demand in Inclusive schools for resource teachers and students with visual impairment at all levels.	Prototype Development	TRL3

Annexure 2.a

INCUBATION AGREEMENT – Student Incubatee

THIS AGREEMENT is made at Coimbatore on this ……th day of ……., 2022 **by and between** Ms……., a student of Department of……., School of ……., hereinafter referred to as **Incubatee**", (which expression shall, unless it is repugnant to the context or meaning thereof, mean and include its successors-in-office, representatives and assigns) of the First Part;

AND

Avinashilingam Institute for Home Science and Higher Education for Women (AIHSHEW), a Deemed to be University, declared under Section 3 of UGC Act, 1956, having its registered office at No.1, Bharathi Park Road, Coimbatore-641043, and represented by its CEO, Avinashilingam Innovation, Incubation and Acceleration Centre hereinafter referred to as 'AIIAC' [which expression shall, unless it is repugnant to the context or meaning thereof, mean and include its successors-in-office, representatives and assigns] of the other Part, WITNESSETH AS FOLLOWS:-

The term 'Incubatee' and 'AIHSHEW' may also, hereinafter, be referred to individually as 'Party' and collectively as 'Parties'.

WHEREAS AIHSHEW has established Avinashilingam Innovation and Incubation Centre (hereinafter referred to as AIIAC) with a mission to foster successful entrepreneurs and develop industry in the Knowledge and Technology based areas of _____ (Food/Nutraceutical/Wellness/other Emerging Technology)

AND WHEREAS AIHSHEW is the parent body of AIIAC and conjointly referred as the same party for the purpose of this Agreement and AIIAC is empowered to transact its business/activities under the bye-laws of AIIAC as approved by AIHSHEW;

AND WHEREAS a copy of the said bye-laws is attached hereto as Annexure-I hereto;

AND WHEREAS the Incubatee has approached AIHSHEW to incubate it and AIHSHEW has accepted to assist and nurture the Incubatee at AIIAC;

NOW, IT IS, THEREFORE, HEREBY AGREED BY THE PARTIES AS FOLLOWS:-

1. **Objectives**

AIHSHEW, Coimbatore agrees to incubate Incubatee in the Avinashilingam Innovation and Incubation Centre (AIIAC) at AIHSHEW. The purpose of incubation unit will be to:

(i) Promote Entrepreneurs to incubate innovation using AIHSHEW facilities by creative manpower and research ecosystem

(ii) Help in getting other kinds of techno-managerial expertise required that is not available within the AIHSHEW

(iii) Incubate novel technology and business ideas into viable commercial products or services.

2.0 **Tenure of Incubation**

2.1. Incubatee has been using the facilities of AIIAC with effect from _____and is carrying out full-fledged activities as an Incubatee. AIIAC has been extending all the facilities of incubation from the said date.

2.2. The tenure of the Agreement will be for 18 months initially. AIHSHEW will permit the Incubatee to commence incubation in AIIAC with effect from _____and the incubation shall expire on_____

2.3. The period of Incubation is liable to be extended twice, each for 6 months only, by AIIAC with an approval from AIHSHEW if a request is made by the Incubatee.

3.0. **Facilities and Infrastructure**

3.1. That AIHSHEW will provide facilities to the Incubatee as per AIIAC policy in this regard and as amended from time to time. The facilities and infrastructure such as

- Office space
- Computers
- Printer
- Internet connection
- Standard Furniture as decided by AIHSHEW/Incubators
- Document scanner
- Library
- Meeting and conference rooms with tele or video conferencing facilities
- Electricity in three phase maximum of 15 KVA.
- Any other facility requested and granted by AIIAC/ AIHSHEW.
- Training in business management: structured short courses.
- Training in business communication written as well as verbal.

3.2. Further, AIHSHEW has the right to inspect and examine the premises allotted to the Incubatee at any point of time during the incubation period/stay at the AIIAC premises. On the completion of the incubation or when the Incubatee leaves AIIAC due to any other reason, all the furniture, space and any other facilities provided shall be surrendered to AIIAC in good condition. All costs incurred for such

restoration to good condition shall be borne by the Incubatee and in case AIIAC has to incur any further expenditure to get the equipment or the room back into good condition then the same shall be recovered from the Incubatee

3.3. **Common infrastructure**: AIIAC provides common facilities such as administrative office, training hall, mentor – mentee discussion room, any other technical facilities provided shall be subject to the policy of AIIAC, as may be modified and communicated from time to time, and made applicable to the Incubatee.

3.4. **Services of Professionals**: AIIAC may, on the request of the Incubatee, identify and facilitate professionals for accounting, IP, legal and management expertise on a part-time basis at a subsidized cost as approved by AIHSHEW through AIIAC.

3.5. AIIAC will also assist the Incubatee in getting consultancy services through other organizations and identified consultants, in the areas such as Market research and opportunity identification, Valuation of Businesses, Competitor Research, Market analysis and sizing, Customer Search, Marketing plan formulation, Consulting on strategies at various stages: Launch, Growth and Harvest of businesses at a subsidized cost as approved by AIHSHEW through AIIAC.

3.6. **Mentoring and Advisory Facilities:** Student/Scholar Incubatee should identify a Faculty Mentor from AIHSHEW and a Faculty Mentor/Advisor from any other Institute if required and permitted by AIHSHEW primarily for technical issues. The terms and conditions in this regard must be worked out by the Incubatee with the Faculty concerned in consultation with AIIAC and approval of AIHSHEW. The faculty mentor declared by the incubatee is _____. The external mentor/advisor as declared by the incubatee is _____.

4.0. Consideration

4.1. Such students/ Scholars utilizing the infrastructure of the institution free of cost, after establishing and settling down, should contribute to the development of laboratories, in consultation with the relevant Committee.

4.2 Companies that are promoted by students/scholars enrolled for full-time Degree at an Educational institute shall not be offered incubation if student is holding an Executive position, however companies promoted by students are eligible to apply for incubation provided student is not actively engaged with the company beyond any engagement which may be permitted by the Institute.

4.3 AIHSHEW students/scholars may be permitted to undertake their Industrial and Project work at AIIAC where additional facilities like Dr. CNR Rao Lab, ARL, CMET are available on payment mode.

4.4 AIHSHEW student entrepreneurs working on a Startup idea from first year will be permitted to convert into their final year project for degree completion.

5.0. Undertaking and Indemnity

5.1. The Incubatee shall not, without the prior written consent of AIHSHEW/AIIAC, engage in any discussion or negotiations with any venture Capitalist or angel investor or any other person for the purpose of investing in the Incubatee's Project or providing support to the Incubatee's Project, in any manner.

5.2. That the Incubatee shall vacate and surrender the premises allotted to it in the campus of AIHSHEW, on a written notice issued by AIIAC/ AIHSHEW to it within the notice period of one month.

5.3. That the Resident Incubatee shall not remove any of its assets in the AIIAC or in the premises of AIHSHEW.

5.4. That the Policy of AIIAC attached to this Agreement as Annexure-1 shall form part and parcel of this Agreement and is hereby accepted by the Incubatee in its entirety. The Incubatee hereby indemnify AIIAC/ AIHSHEW and undertake to remain responsible for any and all or losses suffered by AIHSHEW on account of any act, negligence, default on the part of the Incubatee.

6.0. Amendments to policy of AIIAC

6.1. Notwithstanding anything contained hereinabove or in the policy of AIIAC annexed hereto, AIHSHEW/AIIAC reserves its right to amend the policy attached hereto as Annexure and the Incubatee shall be bound by the said amendments prospectively. The amendments shall be duly notified to the Incubatee and applicable with immediate effect.

7.0. Arbitration:

7.1. Any/all disputes between the Incubatee shall be referred for arbitration to the person so nominated by the Vice-Chancellor of AIHSHEW under the Arbitration & Conciliation Act, 1996 whose decision shall be final and binding upon the parties. The place of arbitration shall be Coimbatore.

8.0. Liability

8.1. Where the Incubatee has not fulfilled or violated any of the contractual obligations specified in any contract with any other party including statutory organizations, Incubatee shall be held completely responsible for the same and in any event AIHSHEW/AIIAC shall not be held liable in any manner for such lapses, if any, on the part of Incubatee.

IN WITNESS WHEREOF PARTIES HERETO HAVE SIGNED THIS INCUBATION AGREEMENT ON THE DATE AND YEAR MENTIONED HEREINBEFORE.

For & on behalf of the Incubatee	**For & on behalf of AIHSHEW**
Signature:	Signature:
Name :	Name:
Designation:	Designation:
Seal:	Seal:
Witness (Name & Address)	Witness (Name & Address)
1. ……..	1. ……..
2. ……..	2. ……..

Annexure 2.b

INCUBATION AGREEMENT – Faculty Incubatee

THIS AGREEMENT is made at Coimbatore on this ……th day of ……., 2022 **by and between** Ms……., a faculty of Department of……., School of ……., hereinafter referred to as **Incubatee**", (which expression shall, unless it is repugnant to the context or meaning thereof, mean and include its successors-in-office, representatives and assigns) of the First Part;

AND

Avinashilingam Institute for Home Science and Higher Education for Women (AIHSHEW), a Deemed to be University, declared under Section 3 of UGC Act, 1956, having its registered office at No.1, Bharathi Park Road, Coimbatore-641043, and represented by its CEO, Avinashilingam Innovation, Incubation and Acceleration Centre hereinafter referred to as 'AIIAC' [which expression shall, unless it is repugnant to the context or meaning thereof, mean and include its successors-in-office, representatives and assigns] of the other Part, WITNESSETH AS FOLLOWS:-

The term 'Incubatee' and 'AIHSHEW' may also, hereinafter, be referred to individually as 'Party' and collectively as 'Parties'.

WHEREAS AIHSHEW has established Avinashilingam Innovation and Incubation Centre (hereinafter referred to as AIIAC) with a mission to foster successful entrepreneurs and develop industry in the Knowledge and Technology based areas of _____ (Food/Nutraceutical/Wellness/other Emerging Technology)

AND WHEREAS AIHSHEW is the parent body of AIIAC and conjointly referred as the same party for the purpose of this Agreement and AIIAC is empowered to transact its business/activities under the bye-laws of AIIAC as approved by AIHSHEW;

AND WHEREAS a copy of the said bye-laws is attached hereto as Annexure-I hereto;

AND WHEREAS the Incubatee has approached AIHSHEW to incubate it and AIHSHEW has accepted to assist and nurture the Incubatee at AIIAC;

NOW, IT IS, THEREFORE, HEREBY AGREED BY THE PARTIES AS FOLLOWS:-

1. **Objectives**

AIHSHEW, Coimbatore agrees to incubate Incubatee in the Avinashilingam Innovation and Incubation Centre (AIIAC) at AIHSHEW. The purpose of incubation unit will be to:

(iv) Promote Entrepreneurs to incubate innovation using AIHSHEW facilities by creative manpower and research ecosystem

(v) Help in getting other kinds of techno-managerial expertise required that is not available within the AIHSHEW

(vi) Incubate novel technology and business ideas into viable commercial products or services.

2.0 **Tenure of Incubation**

2.1. Incubatee has been using the facilities of AIIAC with effect from _____and is carrying out full-fledged activities as an Incubatee without prejudice to the regular academic activities. AIIAC has been extending all the facilities of incubation from the said date.

2.2. The tenure of the Agreement will be for 18 months initially. AIHSHEW will permit the Incubatee to commence incubation in AIIAC with effect from _____and the incubation shall expire on_____

2.3. The period of Incubation is liable to be extended twice, each for 6 months only, by AIIAC with an approval from AIHSHEW if a request is made by the Incubatee.

3.0. **Facilities and Infrastructure**

3.1. That AIHSHEW will provide facilities to the Incubatee as per AIIAC policy in this regard and as amended from time to time. The facilities and infrastructure such as

- Office space
- Computers
- Printer
- Internet connection
- Standard Furniture as decided by AIHSHEW/Incubators
- Document scanner
- Library
- Meeting and conference rooms with tele or video conferencing facilities
- Electricity in three phase maximum of 15 KVA.
- Any other facility requested and granted by AIIAC/ AIHSHEW.
- Training in business management: structured short courses.
- Training in business communication written as well as verbal.

3.2. Further, AIHSHEW has the right to inspect and examine the premises allotted to the Incubatee at any point of time during the incubation period/stay at the AIIAC premises. On the completion of the incubation or when the Incubatee leaves AIIAC due to any other reason, all the furniture, space and any other facilities provided shall be surrendered to AIIAC in good condition. All costs incurred for such

restoration to good condition shall be borne by the Incubatee and in case AIIAC has to incur any further expenditure to get the equipment or the room back into good condition then the same shall be recovered from the Incubatee

3.3. **Common infrastructure**: AIIAC provides common facilities such as administrative office, training hall, mentor – mentee discussion room, any other technical facilities provided shall be subject to the policy of AIIAC, as may be modified and communicated from time to time, and made applicable to the Incubatee.

3.4. **Services of Professionals**: AIIAC may, on the request of the Incubatee, identify and facilitate professionals for accounting, IP, legal and management expertise on a part-time basis at a subsidized cost as approved by AIHSHEW through AIIAC.

3.5. AIIAC will also assist the Incubatee in getting consultancy services through other organizations and identified consultants, in the areas such as Market research and opportunity identification, Valuation of Businesses, Competitor Research, Market analysis and sizing, Customer Search, Marketing plan formulation, Consulting on strategies at various stages: Launch, Growth and Harvest of businesses at a subsidized cost as approved by AIHSHEW through AIIAC.

3.6. **Mentoring and Advisory Facilities:** Faculty Incubatee should identify a Faculty Mentor/Advisor from any other Institute if required and permitted by AIHSHEW primarily for technical issues. The terms and conditions in this regard must be worked out by the Incubatee with the Faculty concerned in consultation with AIIAC and approval of AIHSHEW. The external mentor/advisor as declared by the Incubatee is _____.

4.0. Consideration

4.1. Ms/Dr. _____, faculty of Dept/School_____ hereby volunteers to venture into a start-up (optional) with Ms/Dr. _____, faculty of Dept/School

4.2. Such faculties utilizing the infrastructure of the institution free of cost, after establishing and settling down, should contribute to the development of laboratories, in consultation with the relevant Committee.

4.2 Companies that are promoted by faculties shall not be offered incubation if faculty is holding an Executive position for more than 3 months in a startup, however companies promoted by faculties are eligible to apply for incubation provided faculty is not actively engaged with the company beyond any engagement which may be permitted by the Institute.

4.3 AIHSHEW faculties may be permitted to undertake their Industrial and Project work at AIIAC where additional facilities like Dr. CNR Rao Lab, ARL, CMET are available on payment mode.

4.4 The product developed or co-developed by AIHSHEW faculty Incubatees will be branded in the name of AIIAC and AIHSHEW/license transfer from AIHSHEW/technology transfer on easy terms with AIIAC and AIHSHEW, on a case to case basis

5.0. Undertaking and Indemnity

5.1. The Incubatee shall not, without the prior written consent of AIHSHEW/AIIAC, engage in any discussion or negotiations with any venture Capitalist or angel investor or any other person for the purpose of investing in the Incubatee's Project or providing support to the Incubatee's Project, in any manner.

5.2. That the Incubatee shall vacate and surrender the premises allotted to it in the campus of AIHSHEW, on a written notice issued by AIIAC/ AIHSHEW to it within the notice period of one month.

5.3. That the Resident Incubatee shall not remove any of its assets in the AIIAC or in the premises of AIHSHEW.

5.4. That the Policy of AIIAC attached to this Agreement as Annexure-1 shall form part and parcel of this Agreement and is hereby accepted by the Incubatee in its entirety. The Incubatee hereby indemnify AIIAC/ AIHSHEW and undertake to remain responsible for any and all or losses suffered by AIHSHEW on account of any act, negligence, default on the part of the Incubatee.

5.5 Revenue generated in the startup company of the faculty incubated at AIIAC shall be shared in the ratio of 70:30 respectively as per exit policy.

6.0. Amendments to policy of AIIAC

6.1. Notwithstanding anything contained hereinabove or in the policy of AIIAC annexed hereto, AIHSHEW/AIIAC reserves its right to amend the policy attached hereto as Annexure and the Incubatee shall be bound by the said amendments prospectively. The amendments shall be duly notified to the Incubatee and applicable with immediate effect.

7.0. Arbitration:

7.1. Any/all disputes between the Incubatee shall be referred for arbitration to the person so nominated by the Vice-Chancellor of AIHSHEW under the Arbitration & Conciliation Act, 1996 whose decision shall be final and binding upon the parties. The place of arbitration shall be Coimbatore.

8.0. Liability

8.1. Where the Incubatee has not fulfilled or violated any of the contractual obligations specified in any contract with any other party including statutory organizations,

Incubatee shall be held completely responsible for the same and in any event AIHSHEW/AIIAC shall not be held liable in any manner for such lapses, if any, on the part of Incubatee.

IN WITNESS WHEREOF PARTIES HERETO HAVE SIGNED THIS INCUBATION AGREEMENT ON THE DATE AND YEAR MENTIONED HEREINBEFORE.

For & on behalf of the	**For & on behalf of**
Incubatee	**AIHSHEW**
Signature:	Signature:
Name :	Name:
Designation:	Designation:
Seal:	Seal:
Witness (Name & Address)	Witness (Name & Address)
1. ……..	1. ……
2. ……..	2. ……..

Annexure 2.c

INCUBATION AGREEMENT – Alumni Incubatee

THIS AGREEMENT is made at Coimbatore on this ……th day of ……., 2022 **by and between** Ms……., an alumni of Department of……., School of ……., hereinafter referred to as **Incubatee**", (which expression shall, unless it is repugnant to the context or meaning thereof, mean and include its successors-in-office, representatives and assigns) of the First Part;

AND

Avinashilingam Institute for Home Science and Higher Education for Women (AIHSHEW), a Deemed to be University, declared under Section 3 of UGC Act, 1956, having its registered office at No.1, Bharathi Park Road, Coimbatore-641043, and represented by its CEO, Avinashilingam Innovation, Incubation and Acceleration Centre hereinafter referred to as 'AIIAC' [which expression shall, unless it is repugnant to the context or meaning thereof, mean and include its successors-in-office, representatives and assigns] of the other Part, WITNESSETH AS FOLLOWS:-

The term 'Incubatee' and 'AIHSHEW' may also, hereinafter, be referred to individually as 'Party' and collectively as 'Parties'.

WHEREAS AIHSHEW has established Avinashilingam Innovation and Incubation Centre (hereinafter referred to as AIIAC) with a mission to foster successful entrepreneurs and develop industry in the Knowledge and Technology based areas of _____ (Food/Nutraceutical/Wellness/other Emerging Technology)

AND WHEREAS AIHSHEW is the parent body of AIIAC and conjointly referred as the same party for the purpose of this Agreement and AIIAC is empowered to transact its business/activities under the bye-laws of AIIAC as approved by AIHSHEW;

AND WHEREAS a copy of the said bye-laws is attached hereto as Annexure-I hereto;

AND WHEREAS the Incubatee has approached AIHSHEW to incubate it and AIHSHEW has accepted to assist and nurture the Incubatee at AIIAC;

NOW, IT IS, THEREFORE, HEREBY AGREED BY THE PARTIES AS FOLLOWS:-

1. **Objectives**

AIHSHEW, Coimbatore agrees to incubate Incubatee in the Avinashilingam Innovation and Incubation Centre (AIIAC) at AIHSHEW. The purpose of incubation unit will be to:

(vii) Promote Entrepreneurs to incubate innovation using AIHSHEW facilities by creative manpower and research ecosystem

(viii) Help in getting other kinds of techno-managerial expertise required that is not available within the AIHSHEW

(ix) Incubate novel technology and business ideas into viable commercial products or services.

2.0 **Tenure of Incubation**

2.1. Incubatee has been using the facilities of AIIAC with effect from _____and is carrying out full-fledged activities as an Incubatee. AIIAC has been extending all the facilities of incubation from the said date.

2.2. The tenure of the Agreement will be for 18 months initially. AIHSHEW will permit the Incubatee to commence incubation in AIIAC with effect from _____and the incubation shall expire on_____

2.3. The period of Incubation is liable to be extended twice, each for 6 months only, by AIIAC with an approval from AIHSHEW if a request is made by the Incubatee.

3.0. **Facilities and Infrastructure**

3.1. That AIHSHEW will provide facilities to the Incubatee as per AIIAC policy in this regard and as amended from time to time. The facilities and infrastructure such as

- Office space
- Computers
- Printer
- Internet connection
- Standard Furniture as decided by AIHSHEW/Incubators
- Document scanner
- Library
- Meeting and conference rooms with tele or video conferencing facilities
- Electricity in three phase maximum of 15 KVA.
- Any other facility requested and granted by AIIAC/ AIHSHEW.
- Training in business management: structured short courses.
- Training in business communication written as well as verbal.

3.2. Further, AIHSHEW has the right to inspect and examine the premises allotted to the Incubatee at any point of time during the incubation period/stay at the AIIAC premises. On the completion of the incubation or when the Incubatee leaves AIIAC due to any other reason, all the furniture, space and any other facilities provided shall be surrendered to AIIAC in good condition. All costs incurred for such restoration to good condition shall be borne by the Incubatee and in case AIIAC has

to incur any further expenditure to get the equipment or the room back into good condition then the same shall be recovered from the Incubatee

3.3. **Common infrastructure**: AIIAC provides common facilities such as administrative office, training hall, mentor – mentee discussion room, any other technical facilities provided shall be subject to the policy of AIIAC, as may be modified and communicated from time to time, and made applicable to the Incubatee.

3.4. **Services of Professionals**: AIIAC may, on the request of the Incubatee, identify and facilitate professionals for accounting, IP, legal and management expertise on a part-time basis at a subsidized cost as approved by AIHSHEW through AIIAC.

3.5. AIIAC will also assist the Incubatee in getting consultancy services through other organizations and identified consultants, in the areas such as Market research and opportunity identification, Valuation of Businesses, Competitor Research, Market analysis and sizing, Customer Search, Marketing plan formulation, Consulting on strategies at various stages: Launch, Growth and Harvest of businesses at a subsidized cost as approved by AIHSHEW through AIIAC.

3.6. **Mentoring and Advisory Facilities:** Alumni Incubatee should identify a Faculty Mentor from AIHSHEW and a Faculty Mentor/Advisor from any other Institute if required permitted by AIHSHEW primarily for technical issues. The terms and conditions in this regard must be worked out by the Incubatee with the Faculty concerned in consultation with AIIAC and approval of AIHSHEW. The faculty mentor declared by the incubatee is _____. The external mentor/advisor as declared by the incubatee is _____.

4.0. Consideration

4.1. Such Alumni utilizing the infrastructure of the institution free of cost for 6 months, after establishing and settling down, should contribute to the development of laboratories, in consultation with the relevant Committee.

4.2 Companies that are promoted by alumni are eligible to apply for incubation provided alumni is not actively engaged with the company beyond any engagement which may be permitted by the Institute.

4.3 Alumni may be permitted to undertake their Industrial and Project work at AIIAC where additional facilities like Dr. CNR Rao Lab, ARL, CMET are available on payment mode.

4.4 Alumni entrepreneurs working on a Startup idea from first year will be permitted to convert into their final year project for degree completion.

5.0. Undertaking and Indemnity

5.1. The Incubatee shall not, without the prior written consent of AIHSHEW/AIIAC, engage in any discussion or negotiations with any venture Capitalist or angel investor or any other person for the purpose of investing in the Incubatee's Project or providing support to the Incubatee's Project, in any manner.

5.2. That the Incubatee shall vacate and surrender the premises allotted to it in the campus of AIHSHEW, on a written notice issued by AIIAC/ AIHSHEW to it within the notice period of one month.

5.3. That the Resident Incubatee shall not remove any of its assets in the AIIAC or in the premises of AIHSHEW.

5.4. That the Policy of AIIAC attached to this Agreement as Annexure-1 shall form part and parcel of this Agreement and is hereby accepted by the Incubatee in its entirety. The Incubatee hereby indemnify AIIAC/ AIHSHEW and undertake to remain responsible for any and all or losses suffered by AIHSHEW on account of any act, negligence, default on the part of the Incubatee.

5.5 Revenue generated in the startup/ company of AIHSHEW alumni incubated at AIIAC shall be shared between Alumni and AIIAC in the ratio of 70% and 30% respectively for duration as per exit policy. The same will be deposited in the AIIAC's account.

5.6 It is declared that the alumni does not possess startup / company registered at the time of signing the agreement.

6.0. Amendments to policy of AIIAC

6.1. Notwithstanding anything contained hereinabove or in the policy of AIIAC annexed hereto, AIHSHEW/AIIAC reserves its right to amend the policy attached hereto as Annexure and the Incubatee shall be bound by the said amendments prospectively. The amendments shall be duly notified to the Incubatee and applicable with immediate effect.

7.0. Arbitration:

7.1. Any/all disputes between the Incubatee shall be referred for arbitration to the person so nominated by the Vice-Chancellor of AIHSHEW under the Arbitration & Conciliation Act, 1996 whose decision shall be final and binding upon the parties. The place of arbitration shall be Coimbatore.

8.0. Liability

8.1. Where the Incubatee has not fulfilled or violated any of the contractual obligations specified in any contract with any other party including statutory organizations, Incubatee shall be held completely responsible for the same and in any event

AIHSHEW/AIIAC shall not be held liable in any manner for such lapses, if any, on the part of Incubatee.

IN WITNESS WHEREOF PARTIES HERETO HAVE SIGNED THIS INCUBATION AGREEMENT ON THE DATE AND YEAR MENTIONED HEREINBEFORE.

For & on behalf of the Incubatee	**For & on behalf of AIHSHEW**
Signature:	Signature:
Name :	Name:
Designation:	Designation:
Seal:	Seal:
Witness (Name & Address)	Witness (Name & Address)
1. ……..	1. ……..
2. ……..	2. ……..

Annexure 2.d

INCUBATION AGREEMENT – Women start-up/ Women Entrpreneur Incubatee

THIS AGREEMENT is made at Coimbatore on this ……th day of ……., 2022 **by and between** Ms……., a Women start-up/ Women Entrpreneur of ……., with an incorporated company (Public/ Private) registered under Indian Companies Act (SIN No. ……) hereinafter referred to as **Incubatee**", (which expression shall, unless it is repugnant to the context or meaning thereof, mean and include its successors-in-office, representatives and assigns) of the First Part;

AND

Avinashilingam Institute for Home Science and Higher Education for Women (AIHSHEW), a Deemed to be University, declared under Section 3 of UGC Act, 1956, having its registered office at No.1, Bharathi Park Road, Coimbatore-641043, and represented by its CEO, Avinashilingam Innovation, Incubation and Acceleration Centre hereinafter referred to as 'AIIAC' [which expression shall, unless it is repugnant to the context or meaning thereof, mean and include its successors-in-office, representatives and assigns] of the other Part, WITNESSETH AS FOLLOWS:-

The term 'Incubatee' and 'AIHSHEW' may also, hereinafter, be referred to individually as 'Party' and collectively as 'Parties'.

WHEREAS AIHSHEW has established Avinashilingam Innovation and Incubation Centre (hereinafter referred to as AIIAC) with a mission to foster successful entrepreneurs and develop industry in the Knowledge and Technology based areas of _____ (Food/Nutraceutical/Wellness/other Emerging Technology)

AND WHEREAS AIHSHEW is the parent body of AIIAC and conjointly referred as the same party for the purpose of this Agreement and AIIAC is empowered to transact its business/activities under the policy of AIIAC as approved by AIHSHEW;

AND WHEREAS a copy of the said policy is attached hereto as Annexure-I hereto;

AND WHEREAS the Incubatee has approached AIHSHEW to incubate it and AIHSHEW has accepted to assist and nurture the Incubatee at AIIAC;

NOW, IT IS, THEREFORE, HEREBY AGREED BY THE PARTIES AS FOLLOWS:-

1. **Objectives**

AIHSHEW, Coimbatore agrees to incubate Incubatee in the Avinashilingam Innovation and Incubation Centre (AIIAC) at AIHSHEW. The purpose of incubation unit will be to:

(x) Promote Entrepreneurs to incubate innovation using AIHSHEW facilities by creative manpower and research ecosystem

(xi) Help in getting other kinds of techno-managerial expertise required that is not available within the AIHSHEW

(xii) Incubate novel technology and business ideas into viable commercial products or services.

2.0 **Tenure of Incubation**

2.1. Incubatee has been using the facilities of AIIAC with effect from _____and is carrying out full-fledged activities as an Incubatee. AIIAC has been extending all the facilities of incubation from the said date.

2.2. The tenure of the Agreement will be for 18 months initially. AIHSHEW will permit the Incubatee to commence incubation in AIIAC with effect from _____and the incubation shall expire on_____

2.3. The period of Incubation is liable to be extended twice, each for 6 months only, by AIIAC with an approval from AIHSHEW if a request is made by the Incubatee.

3.0. **Facilities and Infrastructure**

3.1. That AIHSHEW will provide facilities to the Incubatee as per AIIAC policy in this regard and as amended from time to time. The facilities and infrastructure such as

- Office space
- Computers
- Printer
- Internet connection
- Standard Furniture as decided by AIHSHEW/Incubators
- Document scanner
- Library
- Meeting and conference rooms with tele or video conferencing facilities
- Electricity in three phase maximum of 15 KVA.
- Any other facility requested and granted by AIIAC/ AIHSHEW.
- Training in business management: structured short courses.
- Training in business communication written as well as verbal.

3.2. Further, AIHSHEW has the right to inspect and examine the premises allotted to the Incubatee at any point of time during the incubation period/stay at the AIIAC premises. On the completion of the incubation or when the Incubatee leaves AIIAC due to any other reason, all the furniture, space and any other facilities provided shall be surrendered to AIIAC in good condition. All costs incurred for such restoration to good condition shall be borne by the Incubatee and in case AIIAC has

to incur any further expenditure to get the equipment or the room back into good condition then the same shall be recovered from the Incubatee

3.3. **Common infrastructure**: AIIAC provides common facilities such as administrative office, training hall, mentor – mentee discussion room, any other technical facilities provided shall be subject to the policy of AIIAC, as may be modified and communicated from time to time, and made applicable to the Incubatee.

3.4. **Services of Professionals**: AIIAC may, on the request of the Incubatee, identify and facilitate professionals for accounting, IP, legal and management expertise on a part-time basis at a subsidized cost as approved by AIHSHEW through AIIAC.

3.5. AIIAC will also assist the Incubatee in getting consultancy services through other organizations and identified consultants, in the areas such as Market research and opportunity identification, Valuation of Businesses, Competitor Research, Market analysis and sizing, Customer Search, Marketing plan formulation, Consulting on strategies at various stages: Launch, Growth and Harvest of businesses at a subsidized cost as approved by AIHSHEW through AIIAC.

3.6. **Mentoring and Advisory Facilities:** Women start-up/ Women Entrpreneur Incubatee should identify a Faculty Mentor from AIHSHEW and a Faculty Mentor/Advisor from any other Institute if required permitted by AIHSHEW primarily for technical issues. The terms and conditions in this regard must be worked out by the Incubatee with the Faculty concerned in consultation with AIIAC and approval of AIHSHEW. The faculty mentor declared by the incubatee is _____. The external mentor/advisor as declared by the incubatee is _____.

4.0. Consideration

4.1. Such Women start-up/ Women Entrpreneur utilizing the infrastructure of the institution after establishing and settling down, should contribute to the development of laboratories, in consultation with the relevant Committee.

4.2 Companies that are promoted by Women start-up/ Women Entrpreneur are eligible to apply for incubation provided Women start-up/ Women Entrpreneur is not actively engaged with the company beyond any engagement which may be permitted by the Institute.

4.3 Women start-up/ Women Entrpreneur may be permitted to undertake their Industrial and Project work at AIIAC where additional facilities like Dr. CNR Rao Lab, ARL, CMET are available on payment mode.

4.4 Revenue generated in the start-up company of AIHSHEW Women startup/ Women entrepreneur incubated at AIIAC shall be shared between AIIAC and Women start-up/ Women Entrepreneur in the ratio of 70% and 30% respectively as per exit policy. The same will be deposited in the AIIAC's account.

5.0. Undertaking and Indemnity

5.1. The Incubatee shall not, without the prior written consent of AIHSHEW/AIIAC, engage in any discussion or negotiations with any venture Capitalist or angel investor or any other person for the purpose of investing in the Incubatee's Project or providing support to the Incubatee's Project, in any manner.

5.2. That the Incubatee shall vacate and surrender the premises allotted to it in the campus of AIHSHEW, on a written notice issued by AIIAC/ AIHSHEW to it within the notice period of one month.

5.3. That the Resident Incubatee shall not remove any of its assets in the AIIAC or in the premises of AIHSHEW.

5.4. That the Policy of AIIAC attached to this Agreement as Annexure-1 shall form part and parcel of this Agreement and is hereby accepted by the Incubatee in its entirety. The Incubatee hereby indemnify AIIAC/ AIHSHEW and undertake to remain responsible for any and all losses suffered by AIHSHEW on account of any act, negligence, default on the part of the Incubatee.

5.5 Revenue generated in the startup/ company of AIHSHEW Women start-up/ Women Entrpreneur incubated at AIIAC shall be shared between Women start-up/ Women Entrpreneur and AIIAC in the ratio of 70% and 30% respectively for duration as per exit policy. The same will be deposited in the AIIAC's account.

5.6 It is declared that the following IPs are possessed by the Women start-up/ Women Entrepreneur …….. at the time of signing the agreement.

6.0. Amendments to policy of AIIAC

6.1. Notwithstanding anything contained hereinabove or in the policy of AIIAC annexed hereto, AIHSHEW/AIIAC reserves its right to amend the policy attached hereto as Annexure and the Incubatee shall be bound by the said amendments prospectively. The amendments shall be duly notified to the Incubatee and applicable with immediate effect.

7.0. Arbitration:

7.1. Any/all disputes between the Incubatee shall be referred for arbitration to the person so nominated by the Vice-Chancellor of AIHSHEW under the Arbitration &

Conciliation Act, 1996 whose decision shall be final and binding upon the parties. The place of arbitration shall be Coimbatore.

8.0. Liability

8.1. Where the Incubatee has not fulfilled or violated any of the contractual obligations specified in any contract with any other party including statutory organizations, Incubatee shall be held completely responsible for the same and in any event AIHSHEW/AIIAC shall not be held liable in any manner for such lapses, if any, on the part of Incubatee.

IN WITNESS WHEREOF PARTIES HERETO HAVE SIGNED THIS INCUBATION AGREEMENT ON THE DATE AND YEAR MENTIONED HEREINBEFORE.

For & on behalf of the Incubatee	**For & on behalf of AIHSHEW**
Signature:	Signature:
Name :	Name:
Designation:	Designation:
Seal:	Seal:
Witness (Name & Address)	Witness (Name & Address)
1. ……..	1. ……..
2. ……..	2. ……..

Annexure - 3

S. No	**Equipment Available in Advanced Research Laboratory**
1	Basic Analytical Balance - Citizen
2	Bioreactor (Fermentor) – Applikon Biotech
3	HPLC System - Shimadzu
4	Visible Spectrophotometer – ELICO SL207
5	Autoanalyser (Alera Clinical Chemistry System)
6	2D Gel Electrophoresis – Hoefer
7	ELISA Microplate Absorbance Reader – Biorad
8	Deep Freezer (-40°C) - Remi
9	Freeze Dryer
10	pH meter - Hanna
11	Ultra Sonic Atomizer – Sonics & Materials
12	Cooling Cabinet - Vestfrost
13	UV-VIS Spectrophotometer - Biospec Nano
14	Gel Documentation System
15	Fraction Collector with Chromatography System
16	Incubator
17	Flow Cytometer
18	Milli Q distillation unit

S. No	**Equipment Available in Bharath Rathna CNR Laboratory**
1	Field Emission Scanning Electron Microscope
2	Texture Analyzer
3	Spectrophotometer with Accessories
4	XRD
5	Body Composition Analyser
6	Atomic absorption spectrometer
7	Plasma Chamber
8	Nano Spray Dryer
9	Thermo Gravimetric Analyser (TGA)
10	FT-IR Spectrophotometer
11	3D Optical Profilo Meter

12	Turbidity Meter
13	Ultrasonic Homogenizer
14	Oil Bath
15	Vacuum Pump
16	Fruit & Vegetable Purifier
17	Analytical Balance
18	Sonic bath
19	Ball Mill
20	Bio spec Nano Spectrophotometer
21	Electrochemical Workstation

S. No	**Equipment Available at the Center for Manufacturing and Emerging Technologies**
1	Laminar Flow cabinet
2	Autoclave
3	Permeability
4	Tile abrasion testing machine
5	Spectrum Analyser
6	Semi-Automatic Screen Printing machine
7	Spectrophotometer
8	Hot Air Oven- 360 to 700o C
9	Digital pH Meter
10	Digital Conductivity Meter
11	Magnetic Stirrer

	Futuristic Equipments required for thrust areas
1	Flaking Unit
2	Rotary Oven
3	Advanced Amino Acid Analyser
4	Table top Spray Drier
5	Freeze Dryer
6	Commercial Juice extractor; Stainless steel crusher
7	Single Rotary Tablet making Machine
8	Large scale bioreactors for cell culture

9	Computerized Universal Testing Machine
10	Stainless Steel 316-l Open Winch Dyeing Machine
11	Jogson HTHP Vertical Dyeing Machine
12	Spray Dryer Plant
13	Fully Automatic Bandage Rolling Machine
14	Mild Steel Automatic Surgical Bandage Making Machine
15	SMC Moulding Presses
16	LCD Touch Screen Geo Textile Universal Testing Machine
17	Dynamic Fatigue Testing Machines for Mechanical Research Labs
18	Energy Saving Injection Moulding Machine
19	Compression molding
20	Fermenter for large scale enzyme production
21	Solid state fermenter
22	Snack Extruder Machine
23	Starch extractor
24	Package testing Machine with Accessories (Edge Crush Tester, Puncture Tester,
25	MAP unit
26	PCB Prototyping Machine
27	Personal Computer
28	Automatic Screen Printing Machine
29	PC based Spectrum Analyzer (Tektronix)
30	Visual Studio enterprise edition software
31	Hi end Digital Proofing Machine
32	Computer-higher end
33	Digital Printing Press for on-demand book production
34	3D Printer (PLA plastic) with software
35	Storage Server
36	3D Printer
37	Xamarin SQL server 2019 Hosting (hioxindia)
38	Compression Molding Machine

Annexure 4

Technology Readiness Levels (TRLs)

Technology Readiness Levels are used for understanding the maturity of a technology during its acquisition phase.

TRLs allow technical team/evaluators to have a consistent datum of reference for understanding technology evolution, regardless of their technical background.

Current TRL scale is a metric with NINE Technology Readiness Levels for describing the maturity of a technology from ideation stage

TRL-1 to highest degree of application/commercial readiness TRL -9

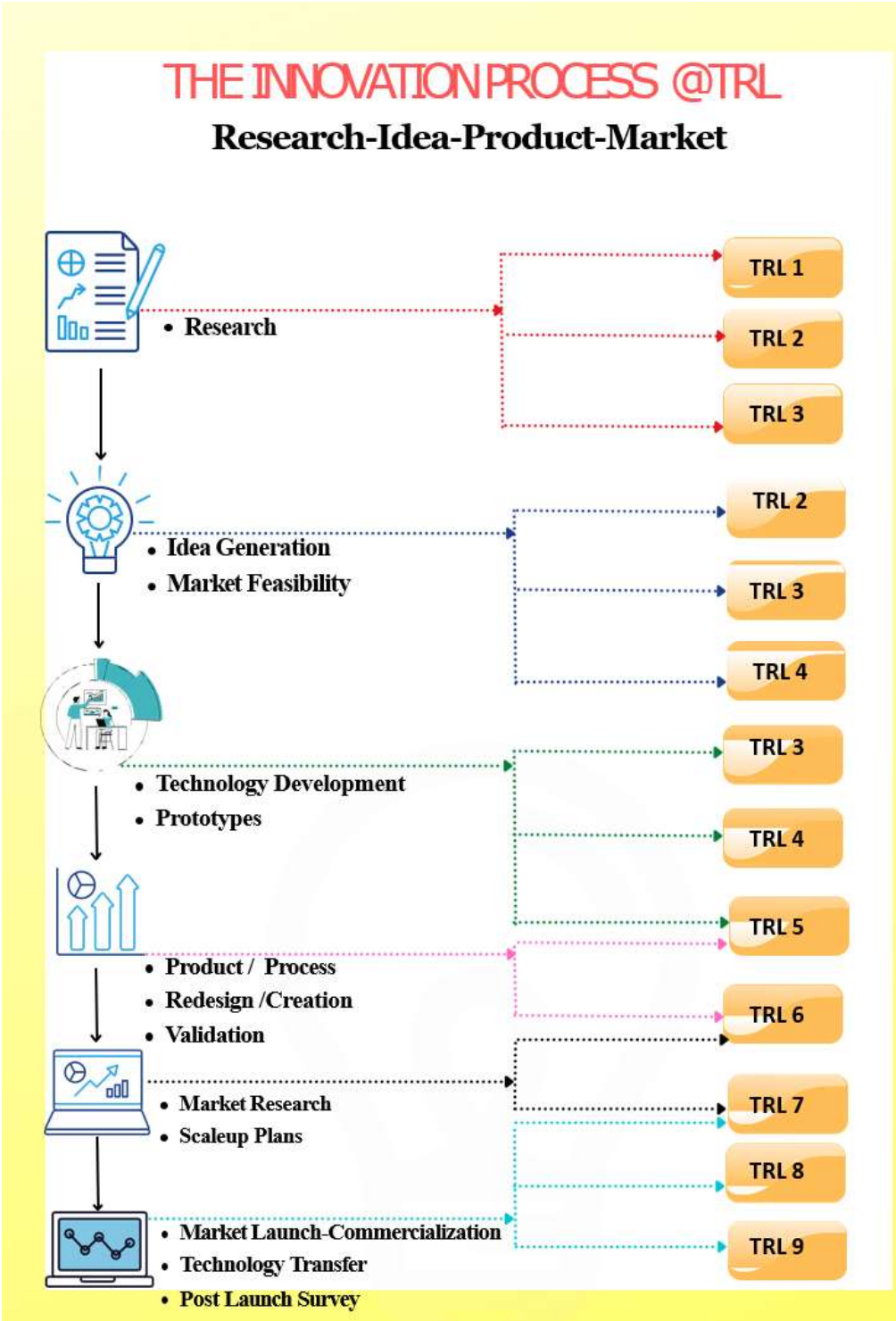
TRLs measure Core Technology maturity in a program not only during the selection process but in subsequent monitoring and evaluation phases also, until these technologies or products utilizing them, attain market readiness.

Levels in between covers

– establishment of proof of concept

– prototype development

– functional validations from models to real operational environments & clearances of mandatory regulatory barriers between levels towards market introduction of these technologies/products.


THE INNOVATION PROCESS @TRL
Research-Idea-Product-Market
• Research
• Idea Generation
• Market Feasibility
• Technology Development
• Prototypes
• Product / Process
• Redesign /Creation
• Validation
• Market Research
• Scaleup Plans
• Market Launch-Commercialization
• Technology Transfer
• Post Launch Survey
TRL 1
TRL 2
TRL 3
TRL 2
TRL 3
TRL 4
TRL 3
TRL 4
TRL 5
TRL 6
TRL 7
TRL 8
TRL 9

Bibliography:

- National Innovation and Startup Policy (NISP), 2019.
- Tamilnadu Startup and Innovation Policy (StartupTN), Government of Tamilnadu, Entreprenership Development and Innovation Institute (EDII), 2018.
- SIDBI Innvoation and Incubation centre, Indian Institute of Technology, Kanpur, Incubator Policy and Procedures November, 2014.
- Sri Ramachandra Innovation and Incubation Centre Policy, 2017.
- Guidelines for Establishment of Research & Development Cell In Higher Education Institutions, University Grants Commission, March 2022.
- Policy and Procedures for Business Incubation, SINE, Mumbai.

Annexure 5

Avinashilingam Institute for Home Science and Higher Education for Women

Coimbatore-43

List of Patents - Awarded /Applied /Published

List of Patents Granted				
S. No.	**Inventors Name**	**Title of Invention**	**Status in IPO website/ Publication date**	**Suggested area**
1	Dr.M.V. Alli and Dr.S.Premakumari	Biscuits for Health Promotion,Skill Development and Behavior Modification in Autism	**Patent Granted 383049 dt.29.11.2021**	Health care
2	Ms. Thahira Banu A. Dr.Sumaya and Dr S.UmaMagheswari	A Nutritional rich Chocolate Composition	**Patent granted on 11.9.2020 Patent No:346611**	Healthcare
3	Avinashilingam Institute for Home science and Higher Education For Women	A Novel Weedicide Formulation For The Management Of Water Hyacinth (EichhorniaCrassipes	**Patent granted Number 348990** granted on 10/10/2020 Transferred on 21.01.2022	Energy and Environment
4	Tirupur Kalyanasundaram Shanmuganantham Lakshmi Priya, Vadivel Nivetha Ravirajan Praveena, Srinivasachandra Mouliswara Sharma, Murali Shravanth Vasisht Ananthachar Ram Prasad	Multi-Purpose Combo Product Package	**Patent Granted on** 18.1.2019 Patent Number 359944 Granted for 20 years from 14.7.2017	Printing
5	Tirupur Kalyanasundaram Shanmuganantham Lakshmi Priya, Gunasekaran Joseini Ramesh Karuppathevar, Srinivasachandra Mouliswara Sharma,	A Machine for the Die- Cutting Process	**Patent Granted on 18.1.2019 Patent Number 359918** Granted for 20 years from 14.7.2017	Printing

S. No.	Inventors Name	Title of Invention	Status in IPO website/ Publication date	Suggested area
	Murali Shravanth Vasisht Ananthachar Ram Prasad			
6	Renee Christina RDr.Judith Justin, Dr.R.Vanithamani	Device and Method of an Infrared Camera to detect Dental Caries and its Image is Captured and Stored	**Patent Granted 378572;** 20 years from 2 May 2017 f	Medical Diagnostics
7	Aishwariya Sachidhanandham and Amsamani Ramamoorthy	Willow Waste based Bio Fuel Briquettes and a method for manufacturing the same	**Patent Granted 382080;** 20 years from 11.4.2017	Energy and environment
8	Nithya R Srinivasachandra Mouliswara Sharma	Municipal Solid Waste Prognostic Decision Support Tool	**Patent Granted 378822 dt.28.8.2017** for 20 years	Energy and environment

List of Patents Published

S. No.	Inventors Name	Title of Invention	Status in IPO website/ Publication date	Suggested area
1	B. Sangeethapriya and Dr. S. Amsamani	Smart Wearable Healthcare Monitoring Garment	Published 13.7.2018	Medical Diagnostics
2	Aishwariya Sachidhanandham Dr.S.Amsamani (Textiles)	Preparation of Cotton Vermicompost	Published & Under Examination	Agriculture and Secondary Agriculture
3	Arulmozhi Arumugam, V.Aarthy, C. Niveshika, R. Pritha, Srinivasachandra Mouliswara Sharma, Murali Shravanth Vasisht Ananthachar , Ram Prasad	Powerless Multi Colour Screen Printing Machine and a method of Screen Printing	Published & Under Examination, Reply Filed. Application in amended examination20.9.2019	Printing

4	Dr. Lalitha and Ms.Akhila C	Metallic and Non-Metallic Nano Particle Synthesis using Cereal and Pulse Washed Waste Water	Published Awaiting request for Examination-5.2.2021	Agriculture and Secondary Agriculture
5	Ms. S. Akila, G. Kavisanthya and Dr. A. Lovelin Jerald	The Chemicals and Toxic Free Guava Pulp Extraction using Sensors	Published	Agriculture and Secondary Agriculture
6	Dr.D.Kavitha and Dr.V. Radha	A Device for Converting E- text to Refreshable Braille Display	Published Publication awaiting examination FER issued- 5.2.2021	Assistive Tech Device
7	Dr.Pottail Lalitha Ms.Akhila C	A Process of Synthesis of Non-Metallic Nano particle using Cereal and Pulse washed waste water and product thereof	Published awaiting examination-12.2.2021	Agriculture and Secondary Agriculture
8	Dr.Pottail Lalitha Ms. Aruna P	Ceramic Furnace - Assisted Synthesis of Borophene and White Graphene	Published awaiting examination-12.2.2021	
9	Dr.S.Kowsalya Dr.K.Amrutha Veena	A Process for preparation of lotus stem enriched bakery product and product thereof	Published awaiting examination	Food and Nutrition
10	Dr. Radha	Steamer CBR no.764	Published awaiting examination FER filed	Energy and Environment
11	Dr. Radha	Cooker	Published awaiting examination FER filed	Energy and Environment
12	Dr. Radha	Flaker	Published awaiting examination FER filed	Energy and Environment
13	Dr. Radha	Roaster	Published awaiting examination FER filed	Energy and Environment
14	Dr.S.Kowsalya, Abhirami Sivaprasad	A process of preparation of atheletes nutri bar and product thereof	Published awaiting examination	Healthcare

15	Dr.Shubashini K Sripathi, Dr.P.Lalitha, Dr.S.Amsamani	A process of preparation of herbal bandaging fabric coated with leaf extracts Pisonia grandis and products thereof	Published awaiting examination	Healthcare
16	Dr.Shubashini K Sripathi, Dr.P.Lalitha	A process of preparation of wound healing topical ointment from solvent extracts of Pisonia grandis and products thereof	Published awaiting examination	Healthcare
17	Dr.P.A.Raajeswari	Edible film making machine	Published FER issued	Healthcare
18	Dr.S.Kowsalya and K.Amirtha Veena Food Science and Nutrition	Multi-Nutrient Biscuit	2021 202141005798	Food and Nutrition
19	Dr.S.Kowsalya and Abirami Sivaprasad Food Science and Nutrition	Nutribar for Sports	2021 202141013795	Food and Nutrition
20	The Registrar Dr.Pottail Lalitha Dr.Shubashini K Sripathi Ms.Ponnusamy Jayanthi Dept.,of Chemistry	A Novel photoprotective Cinnamate from *Eichhornia Crassipes* (Mart.) Solms and use there of as photoprotective Cosmetic Products.	3297/CHE/2013	Healthcare