



Jamal Mohamed College, Tiruchirappalli - 620 020. [ARI-C- 35832] [C-35832]

Section 1: Policy And Institutionalization Of I&E Activities In HEIs (Academic Calendar Year 2020-21 & 2021-22)

1.1) Adoption Level of Innovation and Entrepreneurship (I&E) Policy in HEIs: Registration; Policy Formulation; Policy Implementation

Completion of Action Items (status as on 7th November 2022)	Status
Registered in the NISP portal for I&E Policy Adoption	Yes
Institute has Formulated an Innovation and Entrepreneurship (I&E) Policy	No
Institute has Action Plans for Implementation of the I&E Policy	No

Contact:

Faculty Name:	Dr. A.S. HAJA HAMEED
Designation:	Assistant Professor
Email ID:	hajahameed2001@gmail.com
Mobile No.	9894864497

1.2) Performance Level of Institution's Innovation Councils (IICs) Established in HEIs: Scores and Stars Obtained

Annual Performances of IIC Institute	Stars Secured
IIC 1.0 (2018-19)	1,2,3

Annual Performances of IIC Institute	Stars Secured
IIC 2.0 (2019-20)	2
IIC 3.0 (2020-21)	3
IIC 4.0 (2021-22)	2

Contact:

IIC President of the Institute:	Dr. A. Shajahan
Designation:	Associate Professor and Dean of Research
Email ID:	shajahan.jmc@gmail.com
Mobile No.	9443874731

1.3) Activeness of Trained Innovation Ambassadors in Driving Campus I&E Ecosystems in HEIs: Trained IA/HEI and Nos of Prescribed Activities undertaken by IA

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
1	G.REKA, Assistant Professor, Jamal Mohamed College,Trichy-20	Advance	0
2	Dr.Balaguru Balakrishnan	Advance	0
3	Dr. A.S.Haja Hameed	Advance	0
4	Dr. S. PEERBASHA	Basic	0
5	Dr. N. MOHAMED SIDDIQ	Basic	0
6	Dr. N. REEHANA	Basic	1
7	Dr. S. BENAIZIR BEGUM	Basic	0

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
8	Dr. R ARULNANGAI	Basic	0
9	Dr. B ARIFA FARZANA	Basic	0
10	Dr. M ANGEL	Basic	0
11	Dr. R RADHAKRISHNAN	Basic	0

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	C-35832	Yes
HEI Participated in the Smart India Hackathon (2022)	C-35832	Yes

Section 2: Teaching and Learning: Academic Programs related to Innovation and Entrepreneurship (I&E) Offered by the HEI

2.1) Academic Courses in Innovation, Entrepreneurship and IPR

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Co De Ce Na
1	MEDICAL TOURISM	19UARVAC2	2020-21	Elective Course	Bachelor	AF

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Co De Ce Na
2	ARABIC FOR MEDICS	21UARVAC2	2021-22	Elective Course	Bachelor	AF
3	MEDIA ARABIC	20UAR4AC8P	2020-21	Core Course	Bachelor	AF
4	MEDIA ARABIC	20UAR4AC8P	2021-22	Core Course	Bachelor	AF
5	EXPORT PROCEDURE	19UBAVAC2	2020-21	Elective Course	Bachelor	BE
6	E-MARKETING	19UBAVAC1	2020-21	Elective Course	Bachelor	BE
7	ENTREPRENEURIAL DEVELOPMENT	20UBA5CC11	2020-21	Core Course	Bachelor	BE
8	ENTREPRENEURIAL DEVELOPMENT	20UBA5CC11	2021-22	Core Course	Bachelor	BE
9	ENTREPRENEURIAL DEVELOPMENT	20MBA3CC16	2020-21	Core Course	Master	MI
10	ENTREPRENEURIAL DEVELOPMENT	20MBA3CC16	2021-22	Core Course	Master	MI

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Co De Ce Na
11	BIOCOSMETICS	21UBTVAC1	2021-22	Elective Course	Bachelor	BI
12	FOOD PRESERVATION	21UBTVAC2	2021-22	Elective Course	Bachelor	BI
13	BIOINOCULANTS FOR COMMERCIALIZATION	19UBOVAC1	2020-21	Elective Course	Bachelor	BC
14	EDIBLE MUSHROOM CULTIVATION TECHNOLOGY	20UBT3GE1	2020-21	Elective Course	Bachelor	BI
15	EDIBLE MUSHROOM CULTIVATION TECHNOLOGY	20UBT3GE1	2020-21	Elective Course	Bachelor	BI
16	BIOFERTILIZER AND ORGANIC FARMING	20UBT4GE2	2020-21	Elective Course	Bachelor	BI
17	BIOFERTILIZER AND ORGANIC FARMING	20UBT4GE2	2021-22	Elective Course	Bachelor	BI
18	INDUSTRIAL FERMENTATION	20UBT5SE3A	2020-21	Elective Course	Bachelor	BI
19	INDUSTRIAL FERMENTATION	20UBT5SE3A	2021-22	Elective Course	Bachelor	BI

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Co De Ce Na
20	IPR BIOSAFETY AND BIOETHICS	20UBT6BE3A	2020-21	Elective Course	Bachelor	BI
21	IPR BIOSAFETY AND BIOETHICS	20UBT6BE3A	2021-22	Elective Course	Bachelor	BI
22	BIOFERTILIZER TECHNOLOGY	20PBT1DE1B	2020-21	Elective Course	Master	BI
23	BIOFERTILIZER TECHNOLOGY	20PBT1DE1B	2021-22	Elective Course	Master	BI
24	BIOPHARMACEUTICALS IN NANOMEDICINE	20PBT2DE2B	2020-21	Elective Course	Master	BI
25	BIOPHARMACEUTICALS IN NANOMEDICINE	20PBT2DE2B	2021-22	Elective Course	Master	BI
26	EDIBLE MUSHROOM CULTIVATION AND COMMERCIALIZATION	20UBO3GE1	2020-21	Elective Course	Bachelor	BC
27	EDIBLE MUSHROOM CULTIVATION AND COMMERCIALIZATION	20UBO3GE1	2021-22	Elective Course	Bachelor	BC
28	NURSERY GARDENING FOR ENTREPRENEURSHIP	21UBO4GE2	2020-21	Elective Course	Bachelor	BC

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Co De Ce Na
29	NURSERY GARDENING FOR ENTREPRENEURSHIP	21UBO4GE2	2021-22	Elective Course	Bachelor	BC
30	ALGAL CULTIVATION TECHNIQUES FOR ENTREPREURSHIP	20UBO5SE2A	2020-21	Elective Course	Bachelor	BC
31	INDUSTRIAL BOTANY	20UV06DE2A	2020-21	Elective Course	Bachelor	BC
32	INDUSTRIAL BOTANY	20UV06DE2A	2021-22	Elective Course	Bachelor	BC
33	FLORICULTURE FOR ETREPRENEURSHIP AND EXPORT	20PBO2DE2A	2020-21	Elective Course	Master	BC
34	FLORICULTURE FOR ETREPRENEURSHIP AND EXPORT	20PBO2DE2A	2021-22	Elective Course	Master	BC
35	PLANT TISSUE CULTURE AND SECONDARY METABOLITES PRODUCTION	20PBO4DE4A	2020-21	Elective Course	Master	BC
36	PLANT TISSUE CULTURE AND SECONDARY METABOLITES PRODUCTION	20PBO4DE4A	2021-22	Elective Course	Master	BC

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Co De Ce Na
37	PREPARATION OF DOMESTIC PRODUCTION AND THEIR QUALITY TESTING	20UCH3CC6P	2020-21	Core Course	Bachelor	Ch
38	PREPARATION OF DOMESTIC PRODUCTION AND THEIR QUALITY TESTING	20UCH3CC6P	2021-22	Core Course	Bachelor	Ch
39	INDUSTRIAL CHEMISTRY	20PCH3CC11	2020-21	Core Course	Master	Ch
40	INDUSTRIAL CHEMISTRY	20PCH3CC11	2021-22	Core Course	Master	Ch
41	ENTREPRENEURIAL DEVELOPMENT	20UCO6CC15	2020-21	Core Course	Bachelor	CC
42	ENTREPRENEURIAL DEVELOPMENT	20UCO6CC15	2021-22	Core Course	Bachelor	CC
43	ENTRPRENEURSHIP AND PROJECT MANAGEMENT	20PCO4CC14	2020-21	Core Course	Master	CC
44	ENTRPRENEURSHIP AND PROJECT MANAGEMENT	20PCO4CC14	2021-22	Core Course	Master	CC

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Co De Ce Na
45	WEB DESIGNING	21UCAVAC1	2021-22	Elective Course	Bachelor	CC SC
46	WEB TECHNOLOGY	20UCA5CC9	2020-21	Core Course	Bachelor	CC SC
47	WEB TECHNOLOGY	20UCA5CC9	2021-22	Core Course	Bachelor	CC SC
48	SOFTWARE ENGINEERING	20UCS5DE1A	2020-21	Core Course	Bachelor	CC SC
49	SOFTWARE ENGINEERING	20UCS5DE1A	2021-22	Core Course	Bachelor	CC SC
50	ENTRPRENEURSHIP DEVELOPMENT	20UCA2AC4	2020-21	Core Course	Bachelor	CC SC
51	ENTRPRENEURSHIP DEVELOPMENT	20UCA2AC4	2021-22	Core Course	Bachelor	CC SC
52	ENTRPRENEURSHIP DEVELOPMENT	20UIT1AC2	2020-21	Core Course	Bachelor	IT
53	ENTRPRENEURSHIP DEVELOPMENT	20UIT1AC2	2021-22	Core Course	Bachelor	IT

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Co De Ce Na
54	INNOVATION AND STARTUP SKILLS	20MCA3SE3	2020-21	Core Course	Master	CC SC
55	INNOVATION AND STARTUP SKILLS	20MCA3SE3	2021-22	Core Course	Master	CC SC
56	INDUSTRIAL ECONOMICS	20UEC3CC6	2020-21	Core Course	Bachelor	EC
57	INDUSTRIAL ECONOMICS	20UEC3CC6	2021-22	Core Course	Bachelor	EC
58	ENTREPRENEURIAL DEVELOPMENT	20UEC5DE1A	2020-21	Core Course	Bachelor	EC
59	ENTREPRENEURIAL DEVELOPMENT	20UEC5DE1A	2021-22	Core Course	Bachelor	EC
60	JOURNALISM	20UEN4AC8	2020-21	Core Course	Bachelor	EM
61	JOURNALISM	20UEN4AC8	2021-22	Core Course	Bachelor	EM
62	PATTERN MAKING AND GARMENTS CONSTRUCTION FOR WOMENS WAER	19UFTVAC2	2020-21	Elective Course	Bachelor	FA TE

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Co De Ce Na
63	ECO FRIENDLY SOFT TOY MAKING	21UFTVAC1	2021-22	Elective Course	Bachelor	FA TE
64	FASHION DESIGNING	20UFTICC1	2020-21	Core Course	Bachelor	FA TE
65	FASHION DESIGNING	20UFTICC1	2021-22	Core Course	Bachelor	FA TE
66	BASIC GARMENT CONSTRUCTION	20UFT1AC1		Core Course	Bachelor	FA TE
67	BASIC GARMENT CONSTRUCTION	20UFT1AC1	2021-22	Core Course	Bachelor	FA TE
68	ADVANCED TEXTILE PRODUCTION	20PFT1CC1	2020-21	Core Course	Bachelor	FA TE
69	ADVANCED TEXTILE PRODUCTION	20PFT1CC1	2021-22	Core Course	Master	FA TE
70	GARMENTS MANUFACTURING TECHNOLOGY	20UFT2AC4	2020-21	Core Course	Bachelor	FA TE
71	GARMENTS MANUFACTURING TECHNOLOGY	20UFT2AC4	2021-22	Core Course	Bachelor	FA TE

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Co De Ce Na
72	APPAREL TECHNOLOGY AND ENTREPRENEURSHIP	18BAF2C6	2020-21	Core Course	Bachelor	BV
73	APPAREL TECHNOLOGY AND ENTREPRENEURSHIP	18BAF2C6	2021-22	Core Course	Bachelor	BV
74	FABRIC MANUFACTURING TECHNOLOGY	18BAF3C11	2020-21	Core Course	Bachelor	BV
75	FABRIC MANUFACTURING TECHNOLOGY	18BAF3C11	2021-22	Core Course	Bachelor	BV
76	JOURNALISM	20UHS2AC4	2020-21	Core Course	Bachelor	HI
77	JOURNALISM	20UHS2AC4	2021-22	Core Course	Bachelor	HI
78	ENTREPRENEURSHIP ESSENTIALS IN HOSPITALITY AND TOURISM INDUSTRY	19UHMBAC2	2020-21	Elective Course	Bachelor	HC M.
79	ENTREPRENEURSHIP ESSENTIALS IN HOSPITALITY AND TOURISM INDUSTRY	19UHMBAC2	2021-22	Elective Course	Bachelor	HC M.

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Co De Ce Na
80	BAKERY AND CONFECTIONARY	20UHM5CC11	2020-21	Core Course	Bachelor	HC M.
81	BAKERY AND CONFECTIONARY	20UHM5CC11	2021-22	Core Course	Bachelor	HC M.
82	ENTREPRENEURSHIP IN TOURISM AND HOSPITALITY INDUSTRY	20UHM5SE3A	2020-21	Elective Course	Bachelor	HC M.
83	ENTREPRENEURSHIP IN TOURISM AND HOSPITALITY INDUSTRY	20UHM5SE3A	2021-22	Elective Course	Bachelor	HC M.
84	ENTREPRENEURIAL MICROBIOLOGY	21UMBAC2	2020-21	Core Course	Bachelor	MI
85	BIOSAFETY AND INTELLECTUAL PROPERTY RIGHTS	20UMV6DE3B	2021-22	Elective Course	Bachelor	MI
86	BIOSAFETY AND INTELLECTUAL PROPERTY RIGHTS	20UMV6DE3B	2021-22	Core Course	Bachelor	MI
87	FOOD PRESERVATION AND BAKERY TECHNIQUES	20UND5CC11	2020-21	Core Course	Bachelor	NU DI

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Co De Ce Na
88	FOOD PRESERVATION AND BAKERY TECHNIQUES	20UND5CC11	2021-22	Core Course	Bachelor	NU DI
89	FOOD PACKAGING	20UND6DE2B	2020-21	Core Course	Bachelor,Master	NU DI
90	FOOD PACKAGING	20UND6DE2B	2021-22	Core Course	Bachelor,Master	NU DI
91	ENTREPRENURSHIP SKILLS IN FOOD INDUSTRY	18BFP4C22	2020-21	Core Course	Bachelor	BV
92	ENTREPRENURSHIP SKILLS IN FOOD INDUSTRY	18BFP4C22	2020-21	Core Course	Bachelor	BV
93	ENTREPRENURSHIP SKILLS IN FOOD INDUSTRY	18BFP4C22	2021-22	Core Course	Bachelor	BV
94	MEDIA PRODUCTION	20UVC4CC7	2020-21	Core Course	Bachelor	BV
95	MEDIA PRODUCTION	20UVC4CC7	2021-22	Core Course	Bachelor	BV
96	ENTREPRENEURSHIP SKILLS	20UVC5SE2AP	2020-21	Core Course	Bachelor	BV

Srno	Title of Course	Course Code	Academic Year	Type of Course	Level of Course	Co De Ce Na
97	ENTREPRENEURSHIP SKILLS	20UVC5SE2AP	2021-22	Core Course	Bachelor	BV
98	AUQARIUM KEEPING	19UZOVAC1	2020-21	Elective Course	Bachelor	ZC
99	BIRDS KEEPING	19UZOVAC2	2020-21	Elective Course	Bachelor	ZC
100	DIARY FARMING	21UZOVAC2	2021-22	Elective Course	Bachelor	ZC
101	VERMICULTURE TECHNOLOGY AND ORGANIC FARMING	20UZO4GE2	2020-21	Core Course	Bachelor	ZC
102	VERMICULTURE TECHNOLOGY AND ORGANIC FARMING	20UZO4GE2	2021-22	Elective Course	Bachelor	ZC
103	SOCIAL ENTREPRENEURSHIP	20PSW3CC12	2020-21	Core Course	Master	M:
104	SOCIAL ENTREPRENEURSHIP	20PSW3CC12	2021-22	Core Course	Master	M:

2.2) Non-Academic Courses in Innovation, Entrepreneurship and IPR

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Ce OI De Ce
1	MEDICAL TOURISM	2020-21	Short-term Certificate Program	Self Sponsored/Supported	AF
2	ARABIC FOR MEDICS	2021-22	Short-term Certificate Program	Self Sponsored/Supported	ar
3	EXPORT PROCEDURE	2020-21	Short-term Certificate Program	Self Sponsored/Supported	BE
4	E-MARKETING	2020-21	Short-term Certificate Program	Self Sponsored/Supported	BE
5	BIOCOSMETICS	2020-21	Short-term Certificate Program	Self Sponsored/Supported	BI
6	FOOD PRESERVATION	2020-21	Short-term Certificate Program	Self Sponsored/Supported	BI
7	BIOINOCULANTS FOR COMMERCIALIZATION	2020-21	Short-term Certificate Program	Self Sponsored/Supported	BC
8	WEB DESIGNING	2021-22	Short-term Certificate Program	Self Sponsored/Supported	CC

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Ce Of De Ce
9	PATTERN MAKING AND GARMENTS CONSTRUCTION FOR WOMENS WAER	2020-21	Short-term Certificate Program	Self Sponsored/Supported	FA TE
10	ECO FRIENDLY SOFT TOY MAKING	2021-22	Short-term Certificate Program	Self Sponsored/Supported	FA TE
11	ENTREPRENEURSHIP ESSENTIALS IN HOSPITALITY AND TOURISM INDUSTRY	2020-21	Short-term Certificate Program	Self Sponsored/Supported	HC M.
12	ENTREPRENEURSHIP ESSENTIALS IN HOSPITALITY AND TOURISM INDUSTRY	2021-22	Short-term Certificate Program	Self Sponsored/Supported	EN ES HC TC
13	ENTREPRENEURIAL MICROBIOLOGY	2021-22	Short-term Certificate Program	Self Sponsored/Supported	MI
14	AUQARIUM KEEPING	2020-21	Short-term Certificate Program	Self Sponsored/Supported	ZC
15	BIRDS KEEPING	2020-21	Short-term Certificate Program	Self Sponsored/Supported	ZC
16	DIARY FARMING	2021-22	Short-term Certificate Program	Self Sponsored/Supported	ZC

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Ce Of De Ce
17	DIPLOMA IN AQUACULTURE	2020-21	Entrepreneurship Development Program (EDP)	Central Govt. Agency	ZC
18	DIPLOMA IN AQUACULTURE	2021-22	Entrepreneurship Development Program (EDP)	Central Govt. Agency	ZC
19	DIPLOMA IN HORTICULTURE	2021-22	Entrepreneurship Development Program (EDP)	Central Govt. Agency	BC

Section 3: Pre-Incubation and Incubation Infrastructure & Facilities are Currently in Operation to Promote I&E Agenda (AY 2020-21 & 2021-22)

3.1) Existence of Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Cell/Startup Cell) (\geq 600 Sq. Ft. Floor Area)

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	Innovation Cell	Jamal Innovation and Incubation Center	Dr. A.S. Haja Hameed	9894864497	hajahameed2001@gmail.com	Pre-Incubation Facility Support to Promote Innovation and Business Development

3.2) Existence of Incubation Facility (\geq 1500 Sq. Ft. Floor Area)

Sr. No.	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	Incubation Center	Dr. A. SANGEETHA	9443443624	drsangeeram@gmail.com	Own Resource

3.3) Existence of IPR Cell / Patent Facilitation Unit / Technology Transfer Centre at the institute

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Sc
1	IPR Cell	IPR Cell	DR.A.ZAHIR HUSSAIN	9865517744	azahirhussainchem@yahoo.co.in	Mentorin Support, Facility S (Innovat Business Startup ; Market L & G Stage)

Section 4: Generation and Support of Prototypes / Innovations at HEI and Recognition received (AY 2020-21 & 2021-22)

4) Total no. of Innovations (Verified and Recommended) in Different TRLs (4-9) are Recorded in the YUKTI National Innovation Repository of the IIC Institute (Status as on 7th November 2022)

Sr. No.	Innovation Name	Developed as part of	FY of Development (FY. 2020-21,2021-22)	TRL Stage	Team Lead/Innovator Name	
1	Xerophytic hydrogel for Soil-less cultivation	Academic Requirement/Study Project	2021-22	TRL 6 : Prototype system tested in intended environment close to expected performance	K. Riyas Theen	S
2	CHITOSA	Academic Research Assignment/Industry Sponsored Project	2020-21	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	S.Prathiksha	S

Section 5: Start-ups/Ventures Established and Supported at HEI and & Recognitions Received (AY 2020-21 & 2021-22)

5) Total no of Ventures/Startups (Verified and Recommended) are Recorded in the YUKTI National Innovation Repository of the IIC Institute (Status as on 7th November 2022)

Sr. No.	Startup/Venture Name	Startup/Venture Registered as	CIN No/LLP/OPC/RC No	GST No	FY of Establishment	Start Reco DPIIT India
No Data Found						

Section 6: Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

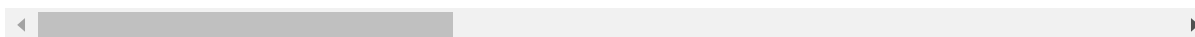
6) Collaboration with Other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreeme Signed on
1	SOUTH INDIAN RESERACHERS ASSOCIATION	Knowledge/Mentoring Agency	3	Active	04-11-202

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on
2	TAMILNADU SCIENTIFIC RESEARCH ORGANISATION	Knowledge/Mentoring Agency	3	Active	22-03-2021
3	NAVADHA NUTRACEUTICAL PRODUCTS, ARIYALUR, TAMILNADU, INDIA	Corporate/Industry Association	3	Active	19-04-2021
4	BALAJI INSTITUTE OF COMPUTER GRAPHICS, COIMBATORE	Knowledge/Mentoring Agency	3	Active	21-09-2021
5	THE UNITED PLANTERS ASSOCIATION OF SOUTH INDIA	Research Park	3	Active	05-05-2021
6	CONFEDERATION OF INDIAN INDUSTRY	Corporate/Industry Association	2	Active	08-03-2021
7	UNIVERSITI TEKNOLOGI MARA	Knowledge/Mentoring Agency	3	Active	01-07-2021
8	CHIGURU COLAB LAB LLB, BENGALURU	Knowledge/Mentoring Agency	3	Active	22-01-2021
9	ILIFE TECHNOLOGIES TIRUCHIRAPPALLI	Knowledge/Mentoring Agency	3	Active	26-01-2021

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on
10	T-Machine Software solution	Corporate/Industry Association	2	Active	20-02-2020
11	GTT FOUNDATION PUNE	Non Govt. Agency	2	Active	17-09-2020
12	KS FOODS KOTHAGIRI	Corporate/Industry Association	3	Active	21-02-2020
13	LEAP LEARNING ACADEMY COIMBATORE	Educational Institute	2	Active	04-03-2020
14	DECIBEL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI	Knowledge/Mentoring Agency	3	Active	01-11-2020

Section 7: Intellectually Property (IP) Generated and Commercialization



7.1) IPR Filed and Published (Copyrights & Design only)

Sr. No.	Title/Name of IP (Copyright/Design Only)	Type of IP	IP Registration Number of Copyright/Design	Date of Filed/Published	Has this IP(Copy Designs Only) be Commercialized/ to Industry/Startup
1	Facile synthesis of NISE:ZN nanoparticles by method variation and their morphological studies	Design	368046	31-05-2021	No

7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	Functional modification in pallet jewels of mechanical watch escapement work.	20204102628A	22-06-2022
2	Functional modification of gear teeth for better work.	202041026654A	24-06-2020
3	Gear driven double balance wheel system an alternative to the hairspring based technology in watches.	202041027360	07-07-2020
4	Functional modification of gear teeth for high performance.	202041029157	07-08-2020
5	Circle escapement Mechanism a replacement for Swiss lever escapement in mechanical watches	202041031969A	21-08-2020
6	Adapter screw driver	202041032231A	28-07-2020

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
7	Optimization of swiss escapement mechanism in watches by the modification of club teeth escape wheel, pallet jewels, and swiss lever	202041033129A	04-09-2020
8	Making bilateral symmetry with multiple pallet stones in swiss lever of mechanical watches.	2020410336460	04-09-2020
9	Modification of pallet stones of mechanical watches by graham's escapement method.	20241037627A	23-10-2020
10	Modified swiss lever escapement mechanism for better displacement of pallet lever in mechanical watches.	202041056468A	01-01-2021
11	Square scale rectangle scale and straight rulers.	202241001278A	28-01-2022
12	Design and Biological study on new Anti-inflammatory hybrid derivatives.	202241006304A	11-01-2022
13	Nanomaterial Based Thermal Indicator	202211010905A	11-03-2022
14	Apparatus For Crystal Growth In Vacuum And A Method Thereof	202141057590	10-12-2021
15	An efficient method for synthesis of Nanospheric ZnGa ₂ O ₄ crystallites and developing its assembled three-dimensional structure.	202041037974	03-09-2020
16	Production of Bio-compound from Fowl egg shell	202241020134	04-04-2022

7.3) Patent Published / Granted Data

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as
1	202041026284A	Functional modification in pallet jewels of mechanical watch escapement work.	22-06-2020	Published	2020	Applicant
2	202041026654A	Functional modification of gear teeth for better work	24-06-2020	Published	2020	Applicant
3	202041027360A	Gear driven double balance wheel system an alternative to the hairspring based technology in watches.	27-06-2020	Published	2020	Applicant
4	202041029157A	Functional modification of gear teeth for high performance	09-07-2020	Published	2020	Applicant

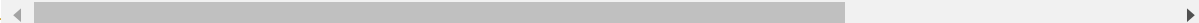
Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as
5	202041031969A	Circle escapement Mechanism a replacement for Swiss lever escapement in mechanical watches.	27-07-2020	Published	2020	Applicant
6	202041032231A	Adapter screw driver.	28-07-2020	Published	2020	Applicant
7	202041033129A	Optimization of swiss escapement mechanism in watches by the modification of club teeth escape wheel, pallet jewels, and swiss lever.	02-08-2020	Published	2020	Applicant
8	202041037627A	Modification of pallet stones of mechanical watches by graham's escapement method.	01-09-2020	Published	2020	Applicant

Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Patent Published / Granted Calendar Year	Institute applied the Patent as
9	202041056468A	Modified swiss lever escapement mechanism for better displacement of pallet lever in mechanical watches.	25-12-2020	Published	2021	Applicant
10	1192/CHE/2015	Facile synthesis of NiSe:zn nanoparticles by method variation and their morphological studies	11-03-2015	Granted	2021	Applicant

7.4) IP Commercialized and Transferred to Industry/Startup

Sr. No.	Name of Technology Licenced/Transferred/Commercialized	Technology Type	Patent/Licence Holder name (Institute Co-ownership is Must)	Technology Transferrec
1	JMC-Arboratics	Non-IP/Non-Patented Technology	Dr.A.ASLAM	Other organisation

Sr. No.	Name of Technology Licenced/Transferred/Commercialized	Technology Type	Patent/Licence Holder name (Institute Co-ownership is Must)	Technology Transferrec
2	Navadhanya Health Mix	Non-IP/Non-Patented Technology	Dr.A.SANGEETHA	Start-up
3	JAFSI HEALTH MIX	Non-IP/Non-Patented Technology	Dr.A.SANGEETHA	Start-up



Declaration

To,
The ARIIA Committee
MHRD's Innovation Cell
New Delhi

Joint Declaration by the Head of the Institute and Nodal Officer

Dear Sir,

Herewith, myself **Dr. Ismail Mohideen. S** (Head of Institute) and **Dr. Shajahan. A.** (Nodal Officer) jointly declaring on behalf of our institute is that all the information submitted are true and correct to best of our knowledge.

Thank you

The Head of Institute



Dr. Ismail Mohideen. S,
Head of the Institution,
Jamal Mohamed College, Tiruchirappalli -
620 020.,
Tiruchirappalli, Tamil Nadu

Nodal officer



Dr. Shajahan. A.,
Nodal Officer,
Jamal Mohamed College, Tiruchirappalli -
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