

R V College of Engineering [ARI-C-1269][C-1269]

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. Nagendra Guptha C K
Designation:	Associate Professor and Head, Industrial Engineering and Management Department
Email ID:	nagendragupta@rvce.edu.in
Mobile No.	9449612962

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)	
IIC 2.0 (2019-20)	1
IIC 3.0 (2020-21)	1
IIC 4.0 (2021-22)	1

Contact:

IIC President of the Institute:	Dr C K Nagendra Guptha
Designation:	Associate Professor and Head, Department of Industrial Engineering and Management
Email ID:	nagendragupta@rvce.edu.in
Mobile No.	9449612962

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	Dr C K Nagendra Guptha	Basic	0
2	Dr. RAJESWARA RAO K V S	Basic	3
3	Dr Shobha N S	Basic	1
4	Dr. D. Ranganath	Basic	0
5	Dr B T Chitra	Basic	0
6	Dr. Vinay Hegde.	Basic	0
7	Dr. B.M. Sagar	Basic	0
8	Dr Renuka Prasad B	Basic	0

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	C-1269	Yes
HEI Participated in the Smart India Hackathon (2022)	C-1269	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	Course Offering Department/ Centre/ Unit Name	Total Credit Score	Course Start Date
1	Introduction to Management and Economics	18HEM51/61	2020-21	Core Course	Bachelor	Humanities and Social Sciences	3	02-09- 2020 00:00:00
2	Intellectual Property Rights and Entrepreneurship	18HSI51/61	2020-21	Core Course	Bachelor	Humanities and Social Sciences	3	01-04- 2021 00:00:00
3	Foundational Course on Entrepreneurship	18G6E17	2020-21	Elective Course	Bachelor	Humanities and Social Sciences	3	01-04- 2021 00:00:00
4	Advanced Course in Entrepreneurship	18G7H16	2020-21	Elective Course	Bachelor	Humanities and Social Sciences	3	01-04- 2021 00:00:00
5	Systems Engineering	18G6E09	2021-22	Elective Course	Bachelor	Industrial Engineering and Management	3	04-10- 2021 00:00:00
6	IDEA Lab	21ME15/25	2021-22	Core Course	Bachelor	Mechanical Engineering	1	25-05- 2022 00:00:00
7	Design Thinking lab	18IM47	2021-22	Core Course	Bachelor	College	2	25-05- 2022 00:00:00

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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	Certificate Program Offering Department/ Centre/ Unit Name	Prog Star Date
1	Robotics and Automation Advanced Materials for Engineering Applications	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Dept of Industrial Engineering and Management and Dept of Mechanical Engineering	01-0 2021 00:0
2	Achieving Operational Excellence by Digital Transformation of Supply Chain	2020-21	Faculty Development Program (FDP)	Central Govt. Agency	Department of Industrial Engineering and Management	21-0 2021 00:0
3	Memory Design workshop	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Department of Electronics and Communication Engineering	09-0 2021 00:0
4	Design Thinking to Augment	2021-22	Faculty Development Program (FDP)	Central Govt. Agency	Master of Computer Applications	07-1 2021 00:0
5	VLSI Technology for Biomedical Applications	2020-21	Faculty Development Program (FDP)	Self Sponsored/Supported	Electronics and Communications Engineering	15-0 2021 00:0
6	Signal Processing and Applications	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communications Engineering	01-0 2021 00:0
7	Connect With Work Skill and Employability Development Program	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Master of Computer Applications	10-0 2021 00:0

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Prog Star Date
8	Workshop on AutoCAD and Sketchup3D	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Department of Civil Engineering	26-0 2021 00:0
9	JNCIA Certification Course	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Computer Science and Engineering	14-0 2021 00:0
10	Antenna design and optimization using HFSS ADK toolkit	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Communication Engineering	14-0 2021 00:0
11	Fundamentals of Quantum Computing and Applications	2020-21	Short-term Certificate Program	Self Sponsored/Supported	Department of Computer Science and Engineering	01-0 2021 00:0
12	Training on cloud technologies	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Depts of ISE CSE MCA	28-0 2022 00:0
13	Computer Training Programme for Underprivileged Women	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Master of Computer Application	27-0 2022 00:0
14	One week StaadPro workshop in collaboration with Vybhavam Engineers	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Civil Engineering Department	17-0 2021 00:0

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Prog Star Date
15	Workshop Training on cloud technologies as a part of Women in Cloud Center of Excellence in India	2021-22	Short-term Certificate Program	Self Sponsored/Supported	ISE MCA CSE Depts	28-0 2022 00:0
16	ECL workshop	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Computer Science Engineering Dept	25-0 2022 00:0
17	VLSI Circuits Simulation	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Engineering and Telecommunication dept	28-0 2022 00:0
18	5 days Hands on workshop on Future of 5G with SDR	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electronics and Telecommunication dept	04-0 2022 00:0
19	FDP on Application of Machine Learning Algorithms in Aerospace Engineering	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	Aerospace Engineering	09-0 2022 00:0
20	Workshop on Trends and Opportunities in E-Vehicles under CoE E- Mobility	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Civil Electrical Telecommunication	02-0 2022 00:0
21	Workshop Institute to industry forum	2021-22	Entrepreneurship Development Program (EDP)	Self Sponsored/Supported	Electronics and Communication	28-0 2022 00:0

Srno	Title of Course	Academic Year	Type of Certificate Program	Certificate Program/MDP/FDP/EDP Sponsored/Supported by	Certificate Program Offering Department/ Centre/ Unit Name	Prog Star Date
22	Workshop on Trends and Opportunities in E Vehicles	2021-22	Short-term Certificate Program	Self Sponsored/Supported	Electrical Engineering	02-0 2022 00:0

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) (>= 600 Sq. Ft. Floor Area)

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Gov Sche
1	Innovation Cell	Centre of Excellence in Macroelectronics	Dr. M. Uttara Kumari	9945336808	uttarakumari@rvce.edu.in	Men Supf Incu Facil Supf to Pi and Inno Busi Deve

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Gov Sche
2	Innovation Cell	CISCO-RVCE Centre of Excellence in Internet of Things	Dr. B. Renuka Prasad	9901945674	renukaprasadb@rvce.edu.in	Men Supf Incu Facil Supf to Pi and Inno Busi Deve
3	EDC	EDC Cell	Dr. N S Narahari	9880311128	naraharins@rvce.edu.in	Men Supf Incu Facil Supf to Pi and Inno Busi Deve
4	Innovation Cell	Centre of Excellence in Computational Genomics	Dr. Vidya Niranjan	9945465657	vidya.n@rvce.edu.in	Men Supf Incu Facil Supf to Pl and Inno Busi Deve
5	Innovation Cell	Centre of Excellence in Smart Antenna Systems and Measurements	Dr. Shushrutha K.S	9964179197	shushruthaks@rvce.edu.in	Men Supf Incu Facil Supf to Pi and Inno Busi Deve

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Gov Sch€
6	Innovation Cell	Wipro IISC Research and Innovation Network Consortium	Dr. M. Uttara Kumari	9945336808	uttarakumari@rvce.edu.in	Men Supf Incu Facil Supf to Pi and Inno Busi Deve
7	Tinkering Lab	Ashwa Racing	Dr. R.S. Kulkarni	9945602861	ravindraskulkarni@rvce.edu.in	Men Supf Incu Facil Supf to Pi and Inno Busi Deve
8	Tinkering Lab	Team Chimera	PROF.SHANMUKHA NAGARAJ	9845129398	shanmukhan@rvce.edu.in	Men Supf Incu Facil Supf to Pi and Inno Busi Deve
9	Tinkering Lab	Astra Robotics	Dr. K.S. Geetha	9900700990	geethaks@rvce.edu.in	Men Supf Incu Facil Supf to Pi and Inno Busi Deve

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Gov Sche
10	Tinkering Lab	Antariksh	Prof. P.Nagaraju	9916911720	nagarajup@rvce.edu.in	Men Supposed Incu Facil Supposed to Posed and Inno Busi Deve

3.2) Existence of Incubation Facility (>= 1500 Sq. Ft. Floor Area)

Sr. No.	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
1	MI Incubation Center	Dr K N Subramanya	9663699299	subramanyakn@rvce.edu.in	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. Schemes
1	IPR Cell	Intellectual Property Rights Cell	Dr. M. Uttara Kumari	9945336808	uttarakumari@rvce.edu.in	Mentoring Support,Pre- Incubation Facility Support (Idea to Prototype and Innovative Business Plan Development)

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	Current Engagement of Team Lead in Institute	Con No
1	Educational Concept for Mealy Moore Machines	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Harini K S	Student	

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	Startup/Venture Recognized by DPIIT/Startup India	St Re St fr In ur
Νο Γ	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 / Agreement Signed on	View
1	National Entrepreneurship Network	Knowledge/Mentoring Agency	3 уг	Active	14-08-2020	View (/Uplc
2	Women in cloud Inc	International Agency	5 уг	Active	17-10-2021	View (/Uplc
3	University of Applied Sciences Würzburg- Schweinfurt	International Agency	4 ys	Active	11-11-2020	View (/Uplc
4	Toolkart Precision Tools Pvt Ltd	Corporate/Industry Association	2 уг	Active	22-06-2022	View (/Uplc
5	SECURE METERS LIMITED	Corporate/Industry Association	5 уг	Active	01-09-2021	View (/Uplc
6	IUCEE Foundation	Knowledge/Mentoring Agency	1 уг	Active	13-12-2021	View (/Uplc
7	Florida International University	International Agency	3 уг	Active	24-03-2021	View (/Uplc
8	FANUC INDIA PRIVATE LIMITED	Corporate/Industry Association	3 уг	Active	16-09-2021	View (/Uplc

Sr. No.	Collaborated Agency Name	Collaborated Agency Type	Period of Collaboration (No. of Years)	Current Status of Collaboration	Date of MOU / Agreement Signed on	View
9	Fachhochschule Dortmund - University of Applied Sciences and Arts	International Agency	5 уг	Active	29-10-2020	View (/Uplc

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(Copyright & Designs Only) been Commercialized/Transferred to Industry/Startup/Society?
1	Distributed and Differential Assessment Method	Copy Right	1-10684209481	04-08-2021	No
2	FRIYAY	Design	4283717	10-09-2020	No

7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	Efficient Adsorber cum Mufler	202041010158	09-03-2020
2	AgroSonic: An Autonomous Machine to Spread Fertilizers and Pesticides	202041019199	06-05-2020

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
3	A Multi-Layered Mask with Hydrophobic Nanofibers as functional layer with a smart valve for protection against the Aerosol transmission of COVID-19	202041019902	11-05-2020
4	Water Retention Agent for Soil	202041024612	11-06-2020
5	Fluid Jacketed Temperature Swing Adsorption System for Carbon Dioxide Capture using Graphene	202041024611	11-06-2020
6	Method for Optimization of one Dimensional nanostructured PVDF Doped MWCNT Nanofibre	202041041406	24-09-2020
7	Robotic End Effector for Selective Tea Leaf Harvesting	202141012876	24-03-2021

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	View
1	202041019199	AGROSONIC: AN AUTONOMOUS MACHINE TO SPREAD FERTILIZERS AND PESTICIDES	05-06-2020	Published	2021		
2	202141056808	INVESTIGATIVE STUDIES OF WILCOX DIAGRAM IN IRRIGATION WATER SAMPLES	12-07-2021	Published	2021		
3	202011020549	BRAKE ROTOR	15-05-2020	Published	2021		
4	202141055538	ARTIFICIAL INTELLIGENCE AND NATURAL LANGUAGE PROGRAMMING BASED DETECTION OF LUNG INFECTION	30-11-2021	Published	2021		

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	View
5	202141029725	DEVELOPMENT OF AUTOMOTIVE MUFFLER BASED ON NON-NOBLE MATERIAL	07-02-2021	Published	2021		
6	202141019068	DESIGN OF N-BY-1 RECTANGULAR PATCH ANTENNA FOR 2.45 GHZ AND 5 GHZ GEOMETRY	26-04-2021	Published	2021		
7	202141010921	METHOD FOR DIAGNOSE AND MANAGEMENT OF FAULTS IN SMART CITY CLEANLINESS ADMINISTRATION USING SELF-ADAPTIVE MACHINE LEARNING	15-03-2021	Published	2021		
8	202041056998	A HANDHELD HIDDEN CAMERA DETECTING DEVICE	29-12-2020	Published	2021		
9	202041024612	WATER RETENTION AGENT FOR SOIL	06-11-2020	Published	2021		
10	201641027374	Waste Plastic Incorporated Fiber Reinforced Polymer Bars	10-08-2016	Granted	2020		
11	201841013768	Method and System to develop a Polymer- Hydrogel-Metal Oxide Composite based sensor to detect and quantify Hydrogen Gas	11-04-2018	Granted	2020		

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	View
12	201741030082	Municipal Solid Waste Segregator for Seperation of Non- Biodegradables from Biodegradable Solid Waste	24-08-2017	Granted	2020		
13	201941009857	Fuel Efficient Heavy- Duty Vehicles Adaptable to Both Agricultural and on Road Applications	14-03-2019	Published	2020		
14	201941009038	Method, System and Apparatus for Location-based Dynamic Seat Reservation and Status Display	08-03-2019	Published	2020		
15	201941000753	Method, System and Apparatus For Preventing Shoulder Surfing In Secure Electronic Transactions	07-01-2019	Published	2020		
16	201841046270	Extraction of Hydroxymethylfurfural (HMF) from Organic Waste	07-12-2018	Published	2020		
17	201841036854	Method, System and Apparatus for Providing efficient and secured Authentication using Biometric Credentials	28-09-2018	Published	2020		
18	201841019427	A Field Control-Hybrid System	24-05-2018	Published	2019		

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	View
19	201841017486	Strut Integrated Wheel Hub Drive Assembly For Electric Vehicles	09-05-2018	Published	2019		
20	201841013769	Aadhaar enabled Network Water Monitoring and distribution System	11-04-2018	Published	2019		
21	201841002384	Automated Test Script Generation from Voice or Speech in Natural language based on Code Comments	20-01-2018	Published	2019		
22	201741044070	Bioactive Thin Films for Food Packaging	08-12-2017	Published	2019		
23	201741041367	A Portable Center Stand for a Two Wheeled Vehicle	20-11-2017	Published	2019		
24	201741039721	Stabilization of the Earth for Construction with a Stabilizer	01-11-2017	Published	2019		
25	201741021773	Method, System and Device for theft Lock	21-06-2017	Published	2019		
26	201741032708	Tractor Mounted Ariel Work Platform for Arecanut Farming	15-09-2017	Published	2019		
27	201641025548	Geometry Induced Enhanced Gas Separation using Nano Porous Graphene	02-02-2018	Granted	2021	Applicant	Viev
28	201641038766	Flexible Artificial Basilar Epithelium	18-05-2018	Granted	2021	Applicant	Vie

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	View
29	201941044049	Method, System and Device for processing and sorting words with rendering Plurality in a Regional Language	07-05-2021	Published	2021	Applicant	View (,
30	202041010158	Efficient Adsorber cum Mufler	10-09-2021	Published	2021	Applicant	View (
31	202041024611	Fluid Jacketed Temperature Swing Adsorption System for Carbon Dioxide Capture using Graphene	02-09-2022	Granted	2022	Applicant	View (,
32	202041019902	A Multi-Layered Mask with Hydrophobic Nanofibers as functional layer with a smart valve for protection against the Aerosol transmission of COVID-19	12-11-2021	Published	2021	Applicant	View (
33	202041019199	AGROSONIC: AN AUTONOMOUS MACHINE TO SPREAD FERTILIZERS AND PESTICIDES	05-06-2020	Published	2021		
34	202141056808	INVESTIGATIVE STUDIES OF WILCOX DIAGRAM IN IRRIGATION WATER SAMPLES	12-07-2021	Published	2021		
35	202011020549	BRAKE ROTOR	15-05-2020	Published	2021		

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Sr. No.	Patent Registration Application No	Patent Title	Patent Application Date	Status of Patent Applications	Published / Granted Calendar Year	applied the Patent	View
36	202141055538	ARTIFICIAL INTELLIGENCE AND NATURAL LANGUAGE PROGRAMMING BASED DETECTION OF LUNG INFECTION	30-11-2021	Published	2021		
37	202141029725	DEVELOPMENT OF AUTOMOTIVE MUFFLER BASED ON NON-NOBLE MATERIAL	07-02-2021	Published	2021		
38	202141019068	DESIGN OF N-BY-1 RECTANGULAR PATCH ANTENNA FOR 2.45 GHZ AND 5 GHZ GEOMETRY	26-04-2021	Published	2021		
39	202141010921	METHOD FOR DIAGNOSE AND MANAGEMENT OF FAULTS IN SMART CITY CLEANLINESS ADMINISTRATION USING SELF-ADAPTIVE MACHINE LEARNING	15-03-2021	Published	2021		
40	202041056998	A HANDHELD HIDDEN CAMERA DETECTING DEVICE	29-12-2020	Published	2021		
41	202041024612	WATER RETENTION AGENT FOR SOIL	06-11-2020	Published	2021		
42	201641027374	Waste Plastic Incorporated Fiber Reinforced Polymer Bars	10-08-2016	Granted	2020		

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	View
43	201841013768	Method and System to develop a Polymer- Hydrogel-Metal Oxide Composite based sensor to detect and quantify Hydrogen Gas	11-04-2018	Granted	2020		
44	201741030082	Municipal Solid Waste Segregator for Seperation of Non- Biodegradables from Biodegradable Solid Waste	24-08-2017	Granted	2020		
45	201941009857	Fuel Efficient Heavy- Duty Vehicles Adaptable to Both Agricultural and on Road Applications	14-03-2019	Published	2020		
46	201941009038	Method, System and Apparatus for Location-based Dynamic Seat Reservation and Status Display	08-03-2019	Published	2020		
47	201941000753	Method, System and Apparatus For Preventing Shoulder Surfing In Secure Electronic Transactions	07-01-2019	Published	2020		
48	201841046270	Extraction of Hydroxymethylfurfural (HMF) from Organic Waste	07-12-2018	Published	2020		

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	View
49	201841036854	Method, System and Apparatus for Providing efficient and secured Authentication using Biometric Credentials	28-09-2018	Published	2020		
50	201841019427	A Field Control-Hybrid System	24-05-2018	Published	2019		
51	201841017486	Strut Integrated Wheel Hub Drive Assembly For Electric Vehicles	09-05-2018	Published	2019		
52	201841013769	Aadhaar enabled Network Water Monitoring and distribution System	11-04-2018	Published	2019		
53	201841002384	Automated Test Script Generation from Voice or Speech in Natural language based on Code Comments	20-01-2018	Published	2019		
54	201741044070	Bioactive Thin Films for Food Packaging	08-12-2017	Published	2019		
55	201741041367	A Portable Center Stand for a Two Wheeled Vehicle	20-11-2017	Published	2019		
56	201741039721	Stabilization of the Earth for Construction with a Stabilizer	01-11-2017	Published	2019		
57	201741021773	Method, System and Device for theft Lock	21-06-2017	Published	2019		
58	201741032708	Tractor Mounted Ariel Work Platform for Arecanut Farming	15-09-2017	Published	2019		

7.4) IP Commercialized and Transferred to Industry/Startup Patent/Licence Holder name (Institute Co-Technology Date Sr. Name of Technology Technology ownership is Transferred Name of Tran: Licenced/Transferred/Commercialized Must) Licensee No. Type Tech No Data Found

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. K N Subramanya** (Head of Institute) and **Dr. C K Nagendra Guptha** (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

Nodal officer

Nhh hlbr

Dr. K N Subramanya, Head of the Institution, R V College of Engineering, Bengaluru, Karnataka

Dr. C K Nagendra Guptha, Nodal Officer, R V College of Engineering, Bengaluru, Karnataka