



Ministry of Education
Government of India



Certificate

NATIONAL INSTITUTIONAL RANKING FRAMEWORK

INDIA RANKINGS 2023

SRI VENKATESHWARA COLLEGE OF ENGINEERING

Participated in the Innovation Category

CHAIRMAN, AICTE

CHAIRMAN, NBA

MEMBER SECRETARY, NBA



National Institutional Ranking Framework for Innovation
Ministry of Education, Government of India

(/DSP/Dashboard)



Full Data Report

Generate Validate Report

Back (/DSP/Dashboard)

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	Yes
Institute has Action Plans for Implementation of the I&E Policy	Yes

Contact:

Faculty Name:	Revanasiddappa Madihalli
Designation:	Assistant Professor
Email ID:	nisp@svcengg.edu.in
Mobile No.	9945901287

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)	1,2,3,4
IIC 2.0 (2019-20)	4.5
IIC 3.0 (2020-21)	4
IIC 4.0 (2021-22)	4

Contact:

IIC President of the Institute:	Dr. Shashidhar Muniyappa
Designation:	Cheif Executive Director
Email ID:	secretary@svcengg.edu.in
Mobile No.	9845178490

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	Satyanarayana M S	Advance	4
2	Dr. Jijesh J.J	Advance	1

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
3	Satyanarayana M S	Advance	0
4	Dr. Nirmala S Guptha	Advance	7
5	Swapna.CH	Advance	0
6	Dr. Nirmala S Guptha	Basic	0
7	REVANASIDDAPPA MADIHALLI	Basic	0
8	Dr.Suma.T	Basic	0
9	Mr Prakasha G	Basic	0
10	Rakshitha K S	Basic	0
11	Dr. Sunil S	Advance	0
12	Guruprasad Y K	Advance	0
13	Preeti M H	Basic	0
14	Dr. Poornima G R	Basic	0
15	Dr Loganathan R	Advance	0
16	Dr. Sanjeev C Lingareddy	Basic	0
17	Dr. Prathima V.R	Basic	0
18	Prathibha A	Basic	0
19	Sukanya N	Basic	0

Sr. No.	Name of the Faculty IA	Level of Training	No of I&E Expert Talks/Sessions Conducted
20	Dr A Ganesa Ramachandran	Basic	0
21	Shridhar Deshpande	Basic	0

1.4) Participation in KAPILA/SIH Program

HEI Registered in the KAPILA Portal	C-1381	No
HEI Participated in the Smart India Hackathon (2022)	C-1381	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	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
1	INNOVATION and DESIGN THINKING	21IDT19	2020-21	Core Course	Bachelor	CSE	1	20-12-2021 00:00:00	13-04-2022 00:00:00	115	14

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	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
2	INNOVATION and DESIGN THINKING	21IDT19	2020-21	Core Course	Bachelor	ISE	1	20-12-2021 00:00:00	13-04-2022 00:00:00	115	10
3	INNOVATION and DESIGN THINKING	21IDT19	2020-21	Core Course	Bachelor	CV	1	20-12-2021 00:00:00	13-04-2022 00:00:00	115	10
4	INNOVATION and DESIGN THINKING	21IDT29	2021-22	Core Course	Bachelor	ECE	1	31-01-2022 00:00:00	01-05-2022 00:00:00	91	10
5	INNOVATION and DESIGN THINKING	21IDT29	2021-22	Core Course	Bachelor	CSE	1	31-01-2022 00:00:00	01-05-2022 00:00:00	91	10
6	INNOVATION and DESIGN THINKING	21IDT29	2021-22	Core Course	Bachelor	ISE	1	31-01-2022 00:00:00	01-05-2022 00:00:00	91	10
7	Management and Entrepreneurship	18ES51	2020-21	Core Course	Bachelor	ECE	4	03-10-2020 00:00:00	16-02-2021 00:00:00	137	60
8	Management and Entrepreneurship	18ES51	2021-22	Core Course	Bachelor	ECE	4	01-10-2021 00:00:00	10-02-2022 00:00:00	133	65

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	Course End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course
9	Management Entrepreneurship for IT Industry	18CS51	2021-22	Core Course	Bachelor	CSE	3	01-10-2021 00:00:00	14-01-2022 00:00:00	106	64
10	Management Entrepreneurship for IT Industry	18CS51	2021-22	Core Course	Bachelor	CSE	3	01-10-2021 00:00:00	14-01-2022 00:00:00	106	62
11	Management Entrepreneurship for IT Industry	18CS51	2021-22	Core Course	Bachelor	CSE	3	01-10-2021 00:00:00	14-01-2022 00:00:00	106	64
12	Construction Management and Entrepreneurship	18CV51	2021-22	Core Course	Bachelor	CIVIL	3	01-10-2021 00:00:00	31-12-2021 00:00:00	92	40
13	Quantity Surveying and Contract Management	18CV71	2021-22	Core Course	Bachelor	CIVIL	3	01-10-2021 00:00:00	31-12-2021 00:00:00	92	40
14	Management Entrepreneurship for IT Industry	18IS51	2021-22	Core Course	Bachelor	ISE	3	01-10-2021 00:00:00	14-01-2022 00:00:00	106	40

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	Program Start Date	Program End Date	Total Duration of the Course (in Days)	Total Numbers of Contact Hours of the Course	Mo De
1	Design Thinking UHV and Pedagogy Training	2021-22	Faculty Development Program (FDP)	Self Sponsored/Supported	R and D	13-09-2022 00:00:00	19-09-2022 00:00:00	7	30	Of

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	Govt. Schemes
1	EDC	EDC	Dr. Nirmala S Guptha	9845113174	nirmala.s.guptha_cse@svcengg.edu.in	
2	IEDC	IEDC	Mrs. Swapna CH	9008420609	swapna.ch_ece@svcengg.edu.in	

Sr. No.	Type of the Unit	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
3	New Gen IEDC	New Gen IEDC	Mrs. Naveen Kumar B M	9740271231	naveenkumar.bm_cv@svcengg.edu.in	
4	Innovation Cell	Innovation Cell	Mr.SATYANARAYANA M S	9632635565	satyanarayana.ms_ise@svcengg.edu.in	
5	Startup Cell	Startup Cell	Mr. Revanasiddappa Madihalli	9945901287	revanasiddappa.m_cv@svcengg.edu.in	

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

Sr. No.	Name of Unit	In-charge Name	Contact no	Email	Govt. Schemes
No Data Found					

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
No Data Found						

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	Contact No	Email
1	GENERATION OF ELECTRICITY FROM OVERHEAD TANK USING MINI TURBINE	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr Nirmala S Guptha	Student		nirmala.sgupth
2	DESIGN OF ROBOTIC ARM FOR WALL PAINTING	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr Nirmala S Guptha			nirmala.s.guptl

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	Contact No	Email
3	DESIGN AND FABRICATION OF MULTIFUNCTIONAL AUTOMATIC TROLLEY	Academic Requirement/Study Project	2021-22	TRL 4 : Small scale prototype built in a laboratory environment ("ugly" prototype)	Dr Nirmala S Guptha			nirmala.s.guptl

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	FY of Started Receiving Support from the Incubation unit at the Institute	Team Lead/Founder Name	Co-ordinator
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 / Agreement Signed on	View
1	TECHNO Logics	Knowledge/Mentoring Agency	3	Active	28-08-2021	View (/Uploads/Institute/ARI-C-1381/2021-22)
2	HED Experts Pvt Ltd	Corporate/Industry Association	2	Active	11-11-2020	View (/Uploads/Institute/ARI-C-1381/2021-22)
3	Nullcrew Technologies	Corporate/Industry Association	3	Active	26-08-2021	View (/Uploads/Institute/ARI-C-1381/2021-22)
4	Youth United Council	International Agency	3	Active	18-05-2022	View (/Uploads/Institute/ARI-C-1381/2021-22)
5	CADD centre	Educational Institute	3	Inactive	30-04-2020	View (/Uploads/Institute/ARI-C-1381/2021-22)
6	EtoERail Village	Corporate/Industry Association	2	Closed	15-12-2020	View (/Uploads/Institute/ARI-C-1381/2021-22)
7	Aqmenz automation Pvt Ltd	Corporate/Industry Association	3	Active	05-11-2021	View (/Uploads/Institute/ARI-C-1381/2021-22)
8	Sogo synergy Pvt Ltd	Knowledge/Mentoring Agency	3	Active	29-12-2020	View (/Uploads/Institute/ARI-C-1381/2021-22)

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
9	Garuda Aerospace pvt ltd	Corporate/Industry Association	2	Active	16-04-2021	View (/Uploads/Institute/ARI-C-1381/2021-22)
10	Celonis	International Agency	3	Active	27-07-2022	View (/Uploads/Institute/ARI-C-1381/2021-22)

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?
No Data Found					

7.2) Patents Filed by HEI

Sr. No.	Title/Name of Patent	IP Registration Number	Date of Filed/Published
1	Apparatus and Method for producing Bio Diesel Fuel	202041033065	08-01-2020
2	Invention and implementation of hands-free and Hassel-free supermarket canny shopping basket	202141002214	18-01-2021
3	System and Method for predicting microbial induced corrosion Rate	202141012317	22-03-2021

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	201841029704 A	A method of manufacturing Bamboo Bricks	08-05-2022	Published	2020	Applicant	View (/Uploads/Institute/PatentFiledNew
2	201941054587 A	Design, Development and Fabrication of Pyrolysis Reactor to Convert Waste Into Sustainable Liquid	31-12-2019	Published	2020	Applicant	View (/Uploads/Institute/PatentFiledNew

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
3	201941054588	DEVELOPMENT OF AIR FRESHNER CARD USING FIBROUS AGRO WASTE	31-12-2019	Published	2020	Applicant	View (/Uploads/Institute/PatentFiledNew
4	202041033065	APPARATUS AND METHOD FOR PRODUCING BIODIESEL FUEL	01-08-2020	Published	2020	Applicant	View (/Uploads/Institute/PatentFiledNew
5	201841032095	Solar Powered air conditioning and water heating apparatus and a method there off-	28-08-2018	Published	2020	Applicant	View (/Uploads/Institute/PatentFiledNew
6	202141002214	Invention and implementation of hands-free and Hassel-free supermarket canny shopping basket	18-01-2021	Published	2021	Applicant	View (/Uploads/Institute/PatentFiledNew

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
7	202141012317	System and Method for predicting microbial induced corrosion Rate	22-03-2021	Published	2021	Applicant	View (/Uploads/Institute/PatentFiledNew
8	201941022588	Advanced smart Aquaponics technology for future farming in agriculture	07-06-2019	Granted	2022	Applicant	View (/Uploads/Institute/PatentFiledNew
9	201941005943	GRILL DOORS ALIGNMENT TO THE TRAIN COMPARTMENT DOOR ON THE RAILWAY PLATFORM	15-02-2019	Published	2019		
10	201941022588	ADVANCED SMART AQUAPONICS TECHNOLOGY FOR FUTURE FARMING IN AGRICULTURE	06-07-2019	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
11	201941022591	SECURITY MODULE FOR BAGS	06-07-2019	Published	2019		
12	201941034392	PORTABLE BLUETOOTH BASED HELMET INDICATORS FOR CYCLISTS	27-08-2019	Published	2019		
13	201941034393	NAVIGATION CANE FOR VISUALLY IMPAIRED PEOPLE ALONG WITH APPLICATION	27-08-2019	Published	2019		
14	202011050686	REAL TIME MONITORING AND TRACKING OF MOTOR VEHICLES USING IOT	21-11-2020	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
15	201941054587	DESIGN, DEVELOPMENT AND FABRICATION OF PYROLYSIS REACTOR TO CONVERT WASTE INTO SUSTAINABLE LIQUID	31-12-2019	Published	2020		
16	201941054588	DEVELOPMENT OF AIR FRESHNER CARD USING FIBROUS AGRO WASTE	31-12-2019	Published	2020		
17	201841032095	SOLAR POWERED AIR CONDITIONING AND WATER HEATING APPARATUS AND A METHOD THEREOF	28-08-2018	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
18	202041033065	APPARATUS AND METHOD FOR PRODUCING BIODIESEL FUEL	08-01-2020	Published	2020		
19	201841029704	A METHOD FOR MANUFACTURING BAMBOO BRICKS	08-07-2018	Published	2020		
20	202041011747	CAR INDOOR AIR POLLUTION MONITORING AND CONTROLLING SYSTEM	18-03-2020	Published	2020		
21	202141057303	AUTOMATION IN AGRICULTURE USING IOT AND MACHINE LEARNING	09-12-2021	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
22	202131053753	A DATA PROCESSING SYSTEM AND METHOD FOR VEHICLE-END DEVICE WITH A CLOUD COMPUTING	23-11-2021	Published	2021		
23	202141029672	UTILIZATION OF SOLAR SYSTEM USING IOT OR INDUSTRIAL APPLICATION 4.0	01-07-2021	Published	2021		
24	202141021100	DESIGN AND FABRICATION OF MICROSTRIP PATCH ANTENNA FOR WIRELESS 5G APPLICATIONS	10-05-2021	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
25	202141017859	A NOVEL REAL TIME SENTIMENT DATA CLASSIFICATION SYSTEM WITH ENHANCED LONG SHORT TERM MEMORY	17-04-2021	Published	2021		
26	202141012317	SYSTEM AND METHOD FOR PREDICTING MICROBIAL INDUCED CORROSION RATE	22-03-2021	Published	2021		
27	202141007422	ARTIFICIAL INTELLIGENCE BASED PREDICTION OF DRIVING BEHAVIOUR WITH PASSENGER WHILE DRIVING	22-02-2021	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
28	202141002214	A SUPERMARKET CANNY SHOPPING BASKET	18-01-2021	Published	2021		
29	202011050686	REAL TIME MONITORING AND TRACKING OF MOTOR VEHICLES USING IOT	21-11-2020	Published	2020		
30	202041011747	CAR INDOOR AIR POLLUTION MONITORING AND CONTROLLING SYSTEM	18-03-2020	Published	2020		
31	202141057303	AUTOMATION IN AGRICULTURE USING IOT AND MACHINE LEARNING	12-09-2021	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
32	202131053753	A DATA PROCESSING SYSTEM AND METHOD FOR VEHICLE-END DEVICE WITH A CLOUD COMPUTING	23-11-2021	Published	2021		
33	202141029672	UTILIZATION OF SOLAR SYSTEM USING IOT OR INDUSTRIAL APPLICATION 4.0	07-01-2021	Published	2021		
34	202141021100	DESIGN AND FABRICATION OF MICROSTRIP PATCH ANTENNA FOR WIRELESS 5G APPLICATIONS	05-10-2021	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
35	202141017859	A NOVEL REAL TIME SENTIMENT DATA CLASSIFICATION SYSTEM WITH ENHANCED LONG SHORT TERM MEMORY	17-04-2021	Published	2021		
36	202141007422	ARTIFICIAL INTELLIGENCE BASED PREDICTION OF DRIVING BEHAVIOUR WITH PASSENGER WHILE DRIVING	22-02-2021	Published	2021		

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 Transferred to	Name of Licensee	Date of Transferred Technology
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. Nageswara Gupta M** (Head of Institute) and **Dr. Nirmala S Gupta** (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. Nageswara Guptha M ,
Head of the Institution,
SRI VENKATESHWARA COLLEGE OF ENGINEERING,
Bengaluru, Karnataka

Nodal officer



Dr. Nirmla S Guptha,
Nodal Officer,
SRI VENKATESHWARA COLLEGE OF ENGINEERING,
Bengaluru, Karnataka