ARIIA
ATAL RANKING OF INSTITUTIONS
ON INNOVATION ACHIEVEMENTS

MoE
Ministry of Education
Government of India

Submitted Institute Data for Atal Ranking of Institutions on Innovation Achievements (ARIIA) - 2020-21

Institute Name: V.S.B COLLEGE OF ENGINEERING TECHNICAL CAMPUS [ARI-C-48266]

List all the departments / centers / units are part of innovation and startup ecosystem of the institite

Department / Center / Unit Name	Type of Department / Center / Unit	Mention the Stream / Discipline / Sector of focus	Department / Center / Unit Level	Program Type	Student / Benificiary Strength (2019-20)	Academic Staff Strength (2019-20)	Non-academic Staff Strength (2019-20)
ICT Academcy	Industry Institute Interface Unit	Multidisciplinary	UG / PG / PhD	Technical	2	12	1
TESSOLVE LAB	Industry Institute Interface Unit	Multidisciplinary	UG / PG / PhD	Technical	12	2	1
CAD CAM laboratory	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	316	10	2
Research and development centre	Research Unit / Park	Multidisciplinary	UG / PG / PhD	Technical	118	9	0
IPR Cell	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Multidisciplinary	UG / PG / PhD	Technical	4	9	0
Project centre	Research Unit / Park	Multidisciplinary	UG / PG / PhD	Technical	107	21	7
Soil Mechanics Laboratory	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	22	2	1
Water and Waste Water Analysis Laboratory	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	22	2	1
Highway Engineering Laboratory	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	39	4	1
Surveying Laboratory	Academic Department with lab facility	Civil Engineering	UG / PG / PhD	Technical	17	2	1
Strength of Materials Laboratory	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	60	4	1
Hydraulic Engineering Laboratory	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	60	4	1
CSE LAB 1	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	188	6	1
CSE LAB 2	Academic Department with lab facility	Multidissiplinary	UG / PG / PhD	Technical	189	8	1
Digital Electronics laboratory	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	376	18	2
Communication systems laboratory	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	159	8	1

List all the departments / centers / units are part of innovation and startup ecosystem of the institite

Engineering practices laboratory	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	248	4	1
Power Electronics laboratory	Academic Department with lab facility	Electrical and Electronics Engineering	UG / PG / PhD	Technical	59	4	1
Electrical Machines Laboratory	Academic Department with lab facility	Electrical and Electronics Engineering	UG / PG / PhD	Technical	84	6	1
Manufacturing technology laboratory	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	215	6	1
Thermal Engineering laboratory	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	128	4	1
Dynamics of Machinery Laboratory	Academic Department with lab facility	Mechanical Engineering	UG / PG / PhD	Technical	190	6	1
Engineering Practices laboratory	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	348	6	1
Cognizant Partnered Instituition	Industry Institute Interface Unit	Multidisciplinary	UG / PG / PhD	Technical	97	3	1
V LAND BEST HUB	Industry Institute Interface Unit	Multidisciplinary	UG / PG / PhD	Technical	36	0	0
Wipro Nodal Center	Industry Institute Interface Unit	Multidisciplinary	UG / PG / PhD	Technical	350	3	4
TCSion online assessment center	Industry Institute Interface Unit	Multidisciplinary	UG / PG / PhD	Technical	200	3	4
Microsoft campus agreement	Centre of Excellence with Advance Tools & Equipment	Multidisciplinary	UG / PG / PhD	Technical	75	24	1
Physics laboratory	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	220	3	1
Chemistry laboratory	Academic Department with lab facility	Multidisciplinary	UG / PG / PhD	Technical	220	3	1
Entrepreneurship Development Cell	Pre-incubation unit	Multidisciplinary	UG / PG / PhD	Technical	60	2	1
IIC	IPR Cell / Patent Facilitation Unit / Technology Transfer Centre	Innovation	UG / PG / PhD	Technical	0	0	0

Participation of HEI in Innovation & Entrepreneurship Initiatives of Ministry of Education (Till Today)

Programs/Initiatives	Status	Registration ID
Adopted National Innovation and Start-up Policy at the HEI	No	Not Required
Establishment of Institution's Innovation Council (IIC) at HEI	Yes	IIC Registration ID : IC202014539
Trained Innovation Ambassadors at HEI	No	Not Required
Participation in Smart India Hackathon (SIH)	No	Not Required
Facilitated listing start-ups/ technologies in Young India combating COVID with Knowledge, Technology and Innovation (YUKTI 2.0) portal of MIC	No	Not Required
Participation in National Education Alliance of Technology (NEAT)	No	Not Required

Details of Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up Conducted by the HEI

Srno	Name of Program (Full Name)	Program Theme	Program Type	Program Category	Organizing Department / Centre / Student Body Name	Program Start Date	Program End Date	Program Duration(in Days)	Program Location	Internal Participants (Student)	Internal Participants (Faculty)	External Participants (Student)	External Participants (Faculty)	Total Number of Participants	Had institute spent expenses either from own resource/received fund to organise the program/activity/event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research?
1	Industrial Waste Management	Innovation	Skill development	Institute Lead Activity	Civil Engineering	01-06-2019 00:00:00	30-08-2019 00:00:00	91	Within Campus	24	1	0	0	25	No	No
2	Environment and Agriculture	Innovation	Skill development	Institute Lead Activity	Civil Engineering	01-06-2019 00:00:00	30-08-2019 00:00:00	91	Within Campus	22	1	0	0	23	No	No

Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI

Srno	Name of Program (Full Name)	Program Theme	Program Type	Organizing Agency / Institute Name	Organizing Agency Type	Program Start Date	Program End Date	Program Duration(in Days)	Participants (Students)	Participants (Faculty)	Total Number of Participants	Awards/Recognitions/Achievements	Award / Position / Recognition Secured	Title of Innovation / Start-up Secured the Award / Recognition	Had institute spent expenses either from own resource/ received fund towards sending delegation to participate / represent the activity /event?	Did any of the participants received any awards/recognition for startup / innovation ideas / research
1	Certificate Course on Effective Patent Search and Drafting-2019	IPR	Training	Anna University Regional Campus, Coimbatore	Educational Institute	18-11-2019 00:00:00	22-11-2019 00:00:00	5	0	2	2	No	---	---	No	No
2	CADD Contest	Innovation	Training	Kathir College of Engineering	Educational Institute	01-02-2020 00:00:00	01-02-2020 00:00:00	1	3	0	3	No	---	---	No	No
3	Paper Presentation	Innovation	Seminar	Sona College of Technology	Educational Institute	19-02-2020 00:00:00	19-02-2020 00:00:00	1	1	0	1	No	---	---	No	No
4	Paper Presentation	Innovation	Seminar	KSR College of Engineering	Educational Institute	15-02-2020 00:00:00	15-02-2020 00:00:00	1	1	0	1	No	---	---	No	No
5	Workshop	Innovation	Training	SNS College of Technology	Educational Institute	14-02-2020 00:00:00	15-02-2020 00:00:00	2	2	0	2	No	---	---	No	No

6	Paper Presentation	Innovation	Seminar	Karpagam Academy of Higher Education	Educational Institute	18-02-2020 00:00:00	18-02-2020 00:00:00	1	1	0	1	No	---	---	No	No
7	Faculty Development Programme	Innovation	Skill development	Dr.NGP Institute of Technology	Educational Institute	02-07-2019 00:00:00	09-07-2019 00:00:00	8	0	1	1	No	---	---	No	No
8	Journal Publication	Innovation	Conference	International Research Journal of Engineering and Technology	International Agencies	12-12-2019 00:00:00	12-12-2019 00:00:00	1	0	3	3	No	---	---	No	No
9	Journal Publication	Innovation	Conference	International Journal of Research and Analytical Reviews	International Agencies	09-06-2019 00:00:00	09-06-2019 00:00:00	1	0	1	1	No	---	---	No	No
10	Internship	Innovation	Training	Emglitz Technology	Non-Govt. Agencies	03-12-2019 00:00:00	03-12-2019 00:00:00	1	9	0	9	No	---	---	No	No
11	Inplant Training	Innovation	Training	Abile Technologies	Non-Govt. Agencies	02-12-2019 00:00:00	02-12-2019 00:00:00	1	3	0	3	No	---	---	No	No
12	Internship on embedded System	Innovation	Training	Codebind Technologies	Non-Govt. Agencies	03-07-2019 00:00:00	03-07-2019 00:00:00	1	16	0	16	No	---	---	No	No
13	Workshop on Android App Development	Innovation	Training	Uniq Technology	Non-Govt. Agencies	01-06-2019 00:00:00	01-06-2019 00:00:00	1	8	0	8	No	---	---	No	No
14	Inplant Training on Overview concepts on Python	Innovation	Training	Appin Technology	Non-Govt. Agencies	30-06-2019 00:00:00	30-06-2019 00:00:00	1	2	0	2	No	---	---	No	No
15	Tessolve Training	Innovation	Training	Tessolve Semiconductor	Corporate / Industry Association	20-01-2020 00:00:00	31-03-2020 00:00:00	72	1	0	1	No	---	---	No	No

16	Paper Presentation	Innovation	Seminar	Karpagam College of Engineering	Educational Institute	13-03-2020 00:00:00	13-03-2020 00:00:00	1	1	0	1	No	---	---	No	No
17	Paper Presentation	Innovation	Seminar	PSG Institute of Technology and Applied Research	Educational Institute	05-02-2020 00:00:00	06-02-2020 00:00:00	2	4	0	4	No	---	---	No	No
18	Inplant Training	Innovation	Seminar	Durga Tech	Non-Govt. Agencies	02-12-2019 00:00:00	07-12-2019 00:00:00	6	3	0	3	No	---	---	No	No
19	Paper Presentation	Innovation	Seminar	Dhaanish Ahemed Institute of Technology	Educational Institute	08-05-2019 00:00:00	08-05-2019 00:00:00	1	1	0	1	No	---	---	No	No
20	Paper Presentation	Innovation	Seminar	Sri Ramakrishna Institute of Technology	Educational Institute	19-02-2020 00:00:00	19-02-2020 00:00:00	1	2	0	2	No	---	---	No	No
21	Inplant Training	Innovation	Seminar	Propulsion Technology	Non-Govt. Agencies	22-04-2019 00:00:00	28-04-2019 00:00:00	7	1	0	1	No	---	---	No	No
22	Inplant Training	Innovation	Training	Nandha Infotech	Non-Govt. Agencies	02-07-2019 00:00:00	16-07-2019 00:00:00	15	1	0	1	No	---	---	No	No
23	Inplant training	Innovation	Training	Nandha Infotech	Non-Govt. Agencies	03-12-2019 00:00:00	07-12-2019 00:00:00	5	2	0	2	No	---	---	No	No
24	Paper Presentation	Innovation	Seminar	Sri Krishna College of Technology	Educational Institute	27-02-2020 00:00:00	27-02-2020 00:00:00	1	2	0	2	No	---	---	No	No
25	Inplant Training	Innovation	Training	Propulsion Technology	Non-Govt. Agencies	03-06-2019 00:00:00	11-06-2019 00:00:00	9	2	0	2	No	---	---	No	No
26	Inplant Training	Innovation	Training	Gateway Software Solutions	Non-Govt. Agencies	17-06-2019 00:00:00	27-06-2019 00:00:00	11	5	0	5	No	---	---	No	No
27	Conference	Innovation	Conference	Karpagam College of Engineering	Educational Institute	06-02-2020 00:00:00	07-02-2020 00:00:00	2	3	0	3	No	---	---	No	No

Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI

28	Inplant Training	Innovation	Training	Codebind Technology	Non-Govt. Agencies	09-12-2019 00:00:00	13-12-2019 00:00:00	5	2	0	2	No	---	---	No	No
29	Internship	Innovation	Training	Karunya University	Educational Institute	02-04-2019 00:00:00	14-04-2019 00:00:00	13	1	0	1	No	---	---	No	No
30	Workshop	Innovation	Training	Karpagam College of Engineering	Educational Institute	29-02-2020 00:00:00	29-02-2020 00:00:00	1	3	0	3	No	---	---	No	No
31	Workshop on Big Data Analysis	Innovation	Training	ICTACADEMY	Non-Govt. Agencies	15-05-2019 00:00:00	16-05-2019 00:00:00	2	0	6	6	No	---	---	No	No
32	Workshop	Innovation	Training	NIT Trichy	Educational Institute	06-02-2020 00:00:00	08-02-2020 00:00:00	3	3	0	3	No	---	---	No	No
33	Workshop	Innovation	Training	SNS College of Engineering	Educational Institute	23-02-2020 00:00:00	23-02-2020 00:00:00	1	6	0	6	No	---	---	No	No
34	Workshop	Innovation	Training	KPR Institute of Technology	Educational Institute	20-02-2020 00:00:00	20-02-2020 00:00:00	1	4	0	4	No	---	---	No	No
35	Karting Event	Innovation	Training	Karim Motors	Non-Govt. Agencies	10-02-2020 00:00:00	14-02-2020 00:00:00	5	21	0	21	No	---	---	No	No
36	Industrial Visit	Innovation	Training	Autovea Metal Plast	Corporate / Industry Association	08-09-2019 00:00:00	10-09-2019 00:00:00	3	95	3	98	No	---	---	No	No
37	Inplant Training	Innovation	Training	LGB Limited	Corporate / Industry Association	01-12-2019 00:00:00	05-12-2019 00:00:00	5	2	0	2	No	---	---	No	No
38	Inplant Training	Innovation	Training	AQUA SUB	Corporate / Industry Association	28-11-2019 00:00:00	02-12-2019 00:00:00	5	12	0	12	No	---	---	No	No
39	Inplant Training	Innovation	Training	Rabwin Industries	Corporate / Industry Association	02-12-2019 00:00:00	06-12-2019 00:00:00	5	2	0	2	No	---	---	No	No
40	Inplant Training	Innovation	Training	Sri Rangathar Industries	Corporate / Industry Association	01-12-2019 00:00:00	05-12-2019 00:00:00	5	3	0	3	No	---	---	No	No

Details of Students, Faculties/Staff Participation/Representation in Co-curricular events/programs related to Innovation, IPR and Entrepreneurship/Start-up at the State, National and (or) International Level (Organized by External Organizations) sent by the HEI

41	Inplant Training	Innovation	Training	ROOTS Industry	Corporate / Industry Association	01-12-2019 00:00:00	05-12-2019 00:00:00	5	1	0	1	No	---	---	No	No
42	Inplant Training	Innovation	Training	TEXMO Industry	Corporate / Industry Association	30-11-2019 00:00:00	03-12-2019 00:00:00	4	5	0	5	No	---	---	No	No
43	Inplant Training	Innovation	Training	TNSTC	Govt. Agency (State)	02-12-2019 00:00:00	06-12-2019 00:00:00	5	1	0	1	No	---	---	No	No
44	Inplant Training	Innovation	Training	TNPL	Govt. Agency (State)	01-12-2019 00:00:00	05-12-2019 00:00:00	5	1	0	1	No	---	---	No	No
45	Inplant Training	Innovation	Training	Amaravathi Sugar Mills Limited	Corporate / Industry Association	01-12-2019 00:00:00	05-12-2019 00:00:00	5	1	0	1	No	---	---	No	No
46	Technical Symposium	Innovation	Seminar	NIT Trichy	Educational Institute	06-02-2020 00:00:00	08-02-2020 00:00:00	3	2	0	2	No	---	---	No	No
47	technica Symposium	Innovation	Seminar	Hindusthan Institute of Technology	Educational Institute	02-02-2020 00:00:00	02-02-2020 00:00:00	1	4	0	4	No	---	---	No	No
48	Technical Symposium	Innovation	Seminar	SNS College OF Engineering	Educational Institute	23-02-2020 00:00:00	23-02-2020 00:00:00	1	2	0	2	No	---	---	No	No
49	Technical Symposium	Innovation	Seminar	Nehru College of management	Educational Institute	13-02-2020 00:00:00	13-02-2020 00:00:00	1	4	0	4	No	---	---	No	No

List the Academic Programs on Innovation, IPR and Entrepreneurship Development Offered During the Academic Period (2019-20)

Srno	Title of Course/Subject Offered	Program Theme	Type of Course	Course Offering Department/Centre/Unit Name	Level of Course	Program Start Date	Program End Date	Program Duration(in Days)	Mode of Delivery	Total Numbers of Participants	Total Numbers of Contact Hours of Course (Minimum 30 Contact hours)
1	Intellectual Property Rights	IPR	Elective/Core Credit Course	Bachelor	Electrical and Electronics Engineering	03-08-2020	26-10-2020	85	Offline	29	60

LiList the Employment Generation Skill Development Programs Organized by the HEI on Innovation, IPR and Entrepreneurship Development During the Academic Period (2019-20)

No Data FIled!

List the Full Time Faculties had with a Degree (UG/PG/PhD) in Innovation/IPR/Entrepreneurship and (or) Received Specialized Training program of I&E, IPR (MDP, EDP, FDP, Short-term Certificate Course, of minimum 30 hours Duration) conducted by various State, Central Govt. agencies, and Knowledge Agencies in the Academic Period (2019-20)

No Data Flled!

List Idea/Innovation Centric Student Clubs Are Functional at the HEI with Access to Co-working Space/Work-stations for Students with Facilities & Equipment Available to promote and Support Innovation, Entrepreneurship and IPR Activities in Campus

No Data Flled!

List the Pre-Incubation Facility (Tinkering Lab/Makers' Space/Design Centre/New Gen IEDC/IEDC/EDC/Innovation Centre/Startup Cell) (>= 600 Sq. Ft. Floor Area)

No Data Flled!

List the Centre of Excellence (CoE) Facilities with Advance Tools and Equipment at the HEI (>= 1000 Sq. Ft. Floor Area)

No Data Flled!

List the Incubation Facilities at the HEI (>= 1500 Sq. Ft. Floor Area)

No Data Flled!

List the Innovation Park/Research Park Facilities at the HEI (>= 5000 Sq. Ft. Floor Area)

No Data Flled!

List the IPR Cell/Technology Transfer Centre Facilities at the HEI

Srno	Name of IPR Cell/Technology Transfer Centre Facility	Year of Establishment	IPR Cell/Technology Transfer Centre with Access to Other I&E Facilities at the HEI	Name of the Funding Schemes Available with IPR Cell/Technology Transfer Centre, if any (Optional)	Facility Details		Total Nos of Dedicated Executive/Management team Strength Engaged at the Facility	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation Development and implementation during the Financial Year 2019-20?	Had institute Generated Income either from Services Offered by IPR Cell/Technology Transfer Centre?	Had the IPR Cell/Technology Transfer Centre Provided any Funding Support for Idea/Prototype/Innovation/Start up/Venture Development and implementation during the Financial Year 2019-20?
1	IPR Cell	2019	No Such Facilities Exist in the Campus		Facility Incharge Name	Dr.R.S aravan akuma r	13	No	No	No
					Facility Incharge Email	princip al@vs bcetc.c om				
					Facility Incharge Phone	82200 41212				

List the IPR Cell/Technology Transfer Centre Facilities at the HEI

2	Tessolve Semiconductor Laboratory	2018	Innovation Labs		Facility Incharge Name: P.Latha / Facility Incharge Email: ece@vsbcetc.com / Facility Incharge Phone: 9842280746	2	No	No	No

Provide detail list of Faculties as Mentor to help Ideas/Innovations/Startups

No Data Flled!

Provide detail list of External Experts/Agencies engaged as Mentor to help Ideas/Innovations/Startups

No Data Flled!

List all the Innovations Generated Developed, Completed and Implemented in Ground with Support of Pre-incubation & Incubation facilities at the HEI and Recognitions Received

No Data Flled!

List all the Ventures/Startups/SME Units Established with Support of Pre-incubation & Incubation facilities at the HEI

No Data Flled!

List all the Collaborations with External Agencies and Co-Creation of I&E Activities by the HEI

No Data Flled!

List the IPs Filed/Published/Granted (Copyright & Designs Only) by the HEI as an Applicant / Co-applicant / Co-owner

No Data Flled!

List the IP (Patents only) Filed by the HEI as Applicant / Co-applicant / Co-owner

Srno	Title/Name of Patent	IP Registration Number	Date of Filed/Published (Year, Month)	Application Level	Copy of receipt / application screenshot [PDF or Image]
1	Automatic Yarn Carrier Sorter Based on Colors	202041006384	National	2020 - 02	Uploaded

List the IPs hold by the Innovation teams/Startups Incubated at the Pre-incubation/incubation Unit of the HEI

No Data Flled!

List the IP Commercialized/Transferred Published & Granted to HEI as Co-applicant/Co-owner

No Data Flled!