

## RESEARCH PAPER PUBLICATIONS AND PRESENTATIONS

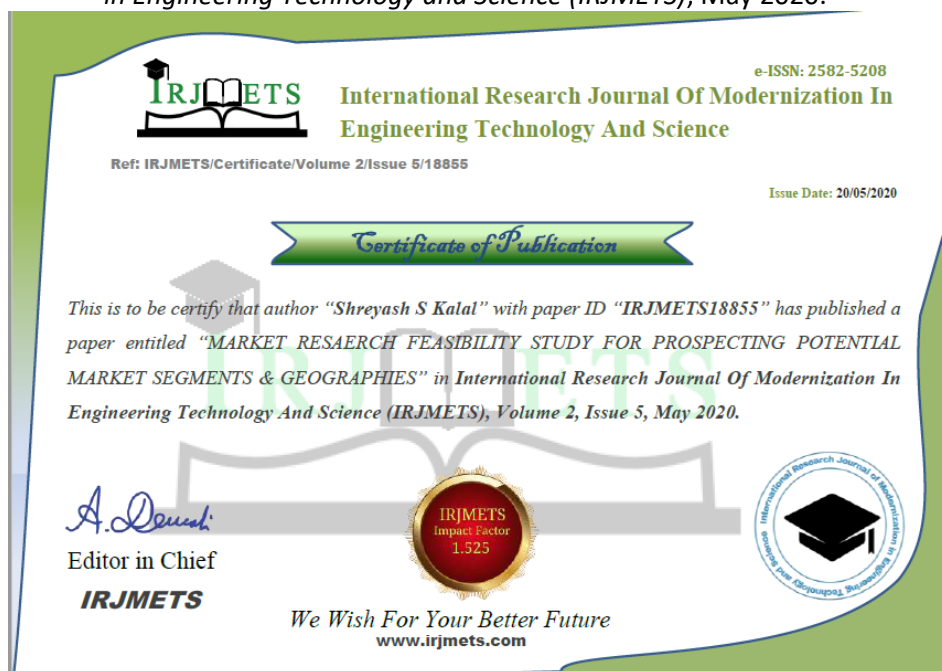
1. ‘[Self-Directed Tracking of Objects using Deep Learning Technique](#),’ Shreyash Kalal, N. Niveditha, *International Journal of Research in Engineering, Science and Management (IJRESM)*, December 2021.



2. ‘[Tackling SSDF by identification of Malicious Users by applying Machine Learning Techniques in Cognitive Radio Networks](#),’ Shreyash Kalal, Dr. Vijayalakshmi M.N, *International Research Journal of Modernization in Engineering, Technology, and Science (IRJMETS)*, December 2021.



3. '[Market Research Feasibility Study for Prospecting Potential Market Segments and Geographies](#)', Shreyash Kalal, Archana BG, Krithika Devaiah A, Dr. M.N Vijayakumar, *International Research Journal of Modernization in Engineering Technology and Science (IRJMETS)*, May 2020.



4. '[Application of Game Theory Strategies in Supply Chain Decisions](#),' Shreyash Kalal, Bharath Elangovel, International Conference on Recent Trends in Industrial Innovation, Value Engineering & Management Sciences, March 2019.



## TECHNICAL CERTIFICATIONS

1. 'Salesforce Certified Administrator,' *Salesforce*, August 2021.



2. 'Data Science Masterclass with R', *Udemy*, July 2019.

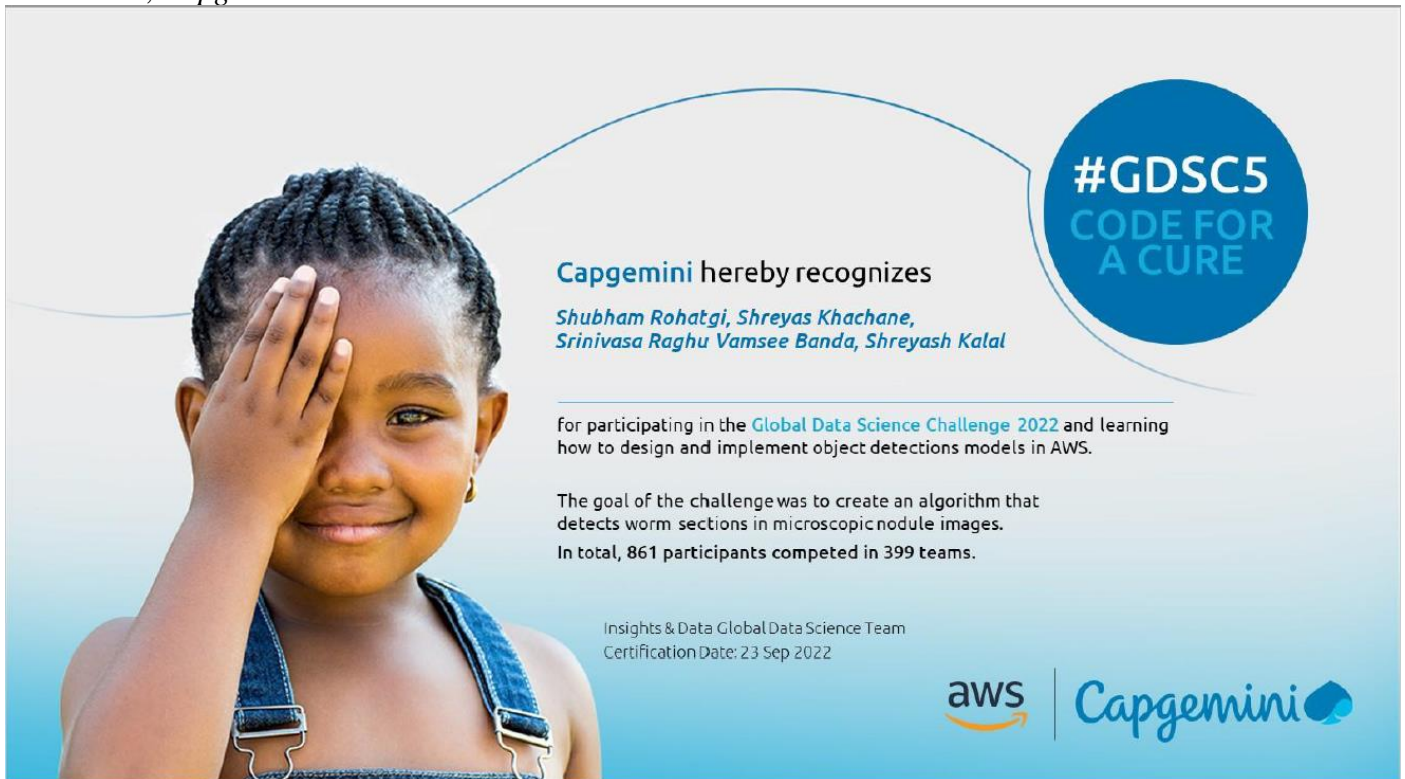




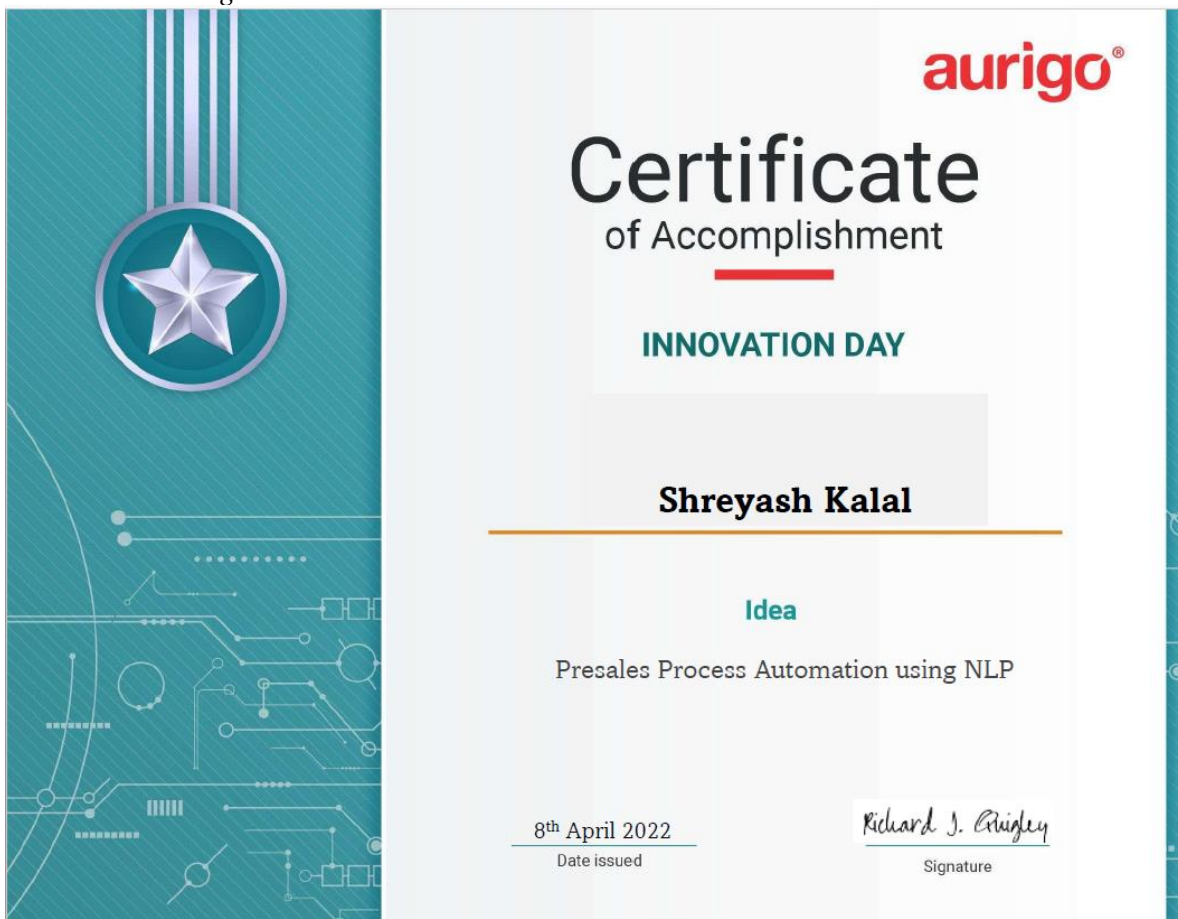
## ACTIVITIES AND AWARDS CERTIFICATES

*Note: The certificates are arranged in a reverse chronological order.*

1. 'Global Data Science Challenge 2022 – Code for Cure – Eliminating River Blindness with Data and AI', *Capgemini*.



2. Aurigo Innovation Day 2022 for 'Presales Process Automation using NLP', *Aurigo Software Technologies*.



3. 'SPOT Award' as the best performer for the 3<sup>rd</sup> quarter of 2021 in the Sales & Marketing Business Unit, *Aurigo Software Technologies*



4. Business Event Judge for Formula Bharat Virtuals 2021, *Curiosum Tech Pvt Ltd.*





5. 'SPOT Award' as the best performer for the 3<sup>rd</sup> quarter of 2020 in the Sales & Marketing Business Unit, *Aurigo Software Technologies*



6. Participated in Formula Bharat 2020, representing *Ashwa Racing* and attained a 3<sup>rd</sup> place victory nationally, in the Business Event of Formula Bharat 2020.





Car #	Team Name	College Name	Status	Presentation Score (100)	BPES Submission Penalty	SCORE BUSINESS	RANK
9	Rafter Formula Racing	Indian Institute of Technology Madras				76.00	1
20	Team KART	Indian Institute of Technology Kharagpur				74.00	2
12	Ashwa Racing	R.V. College of Engineering				73.00	3
11	Team Hays Racing	PESS University				72.00	4
7	Camber Racing	SRM Institute of Science and Technology				71.00	5
8	Acceleracers	MIT-World Peace University		76		70.00	6
49	ZHOET Formula Racing	Aligarh Muslim University		75.5		68.64	7
3	DVS Racing	Gyanadas J. Sanghvi College of Engineering		75.3		68.38	8
2	Formula Mangal	Mangal Academy of Higher Education		75		68.08	9
9	STES Station Motorsport	Smt. Kashibai Navale College of Engineering		66.8		61.63	10
35	NITKRacing	National Institute of Technology Karnataka, Surathkal		66.5		61.26	11
18	Wrench Wielders Racing	Symbiosis Institute of Technology		66.3		60.14	12
10	SPCE Racing	Sardar Patel College of Engineering, Mumbai		66.2		60.06	13
29	Velocita Racing	Ramalan Institute of Technology		63.3		58.30	14
16	Amrita Racing	Amrita School of Engineering, Coimbatore		60		56.28	15
72	Force Racing	Kalyani Institute of Technology and Science, Warangal		62.3	3	64.38	16
5	Force Ishwaku Racing	The National Institute of Engineering		56.7		62.22	17
50	Vishwakars	Vishwakarma Institute of Information Technology		56.2	2	48.78	18
4	Shaurya Racing	VIT Chennai		53		48.82	19
17	Veloc Racing	Vishwakarma Institute of Technology		51.8		47.71	20
34	Team R&IT Racing	MCT's Rajy Gandhi Institute of Technology		51.7		47.62	21
32	Traxion Racing	Sri Venkateswara College of Engineering		50.8		46.79	22
25	ORCE Formula Racing	Pr. Conceicao Rodrigues College of Engineering		50		46.06	23
30	STES Racing	Sinhgad College of Engineering		47.5		45.76	24
1	GTU Motorsports	Gujarat Technological University		47.2		45.47	25
65	Tornado Motorsports	RMD Sinhgad School of Engineering		47.2		45.47	26
65	Team MH-08 Racing	Rajendra Mane College of Engineering and Technology		43.8		40.34	27
27	Formula Geca	Government College of Engineering, Aurangabad		38.7		36.84	28
24	Akous Formula Student	Indira Gandhi Delhi Technical University for Women		37		34.08	29
26	Phoenix Racing SVNIT	Sardar Vallabhbhai National Institute of Technology		36.7		33.80	30
33	Team Maverick	Pune Vidyarthi Griha's College of Engineering and Technology		36.7		33.80	30
13	Illuminati Racers	Lovely Professional University		36.3		33.43	32
39	Automanta Racing	Gaigodas University		35.3		32.61	33
67	Team Super Ignite	Guru Nanak Institute of Technology		37.7	3	31.72	34
54	Hawitz Racing	SRM Institute Of Science And Technology - Ramapuram Campus		33.8		31.13	35
15	Evolution	Indian Institute of Technology Guwahati		34.3	1	30.69	36
42	Blitz Racing	Vasavi College of Engineering		32.3		28.76	37
68	Formula Ashwenders	St. Vincent Pallotti College of Engineering and Technology		31.5		28.01	38
46	DIT Motoracing	DIT University		31		28.66	39
68	XLRS Racing	Thangal Kunju Musaliar College of Engineering		31.7	2	27.20	40
37	Hyperton Racing Team	Pillai College Of Engineering		28		26.79	41
69	Team Sakthi Racing	Kumaraguru College of Technology		28		26.79	41
52	Team Ojaswat	Chandubhai S. Patel Institute of Technology		27.3		26.14	43
44	Team Corsa	Chandigarh College Of Engineering And Technology		24.2	1	21.29	44
60	Formula Sahyadri	Sahyadri College Of Engineering And Management		23		21.18	45
48	Hermes Racing	Kalinga Institute of Industrial Technology		21.7		19.89	46
56	Infinity Motorsports	Amity School of Engineering and Technology		34.2	12	19.60	47
28	Kirento Racing	K.L. (Deemed to be University)		23.7	3	18.83	48
41	Zenith Motorsport	College of Engineering Trivandrum		18		16.68	49
62	The Vayuputra	Indus Institute of Technology & Engineering		43.3	25	14.88	50
38	Brahmos Amritapur	Amrita School of Engineering, Amritapur		12	2	8.86	51
6	Pegasus Racing	PSG College of Technology		0		0.00	52

7. Led Ashwa Racing to an overall 3<sup>rd</sup> place victory internationally in the Formula Hybrid 2019, *Thayer School of Engineering at Dartmouth, USA*. Won the Excellence in Project Management Award presented by IEEE, representing *Ashwa Racing*.



May 14, 2019

To Whom It May Concern,

**Participation of Ashwa Racing (RV College of Engineering) in Formula Hybrid 2019**

The Thayer School of Engineering at Dartmouth College invited **RV College of Engineering, Formula Hybrid team Ashwa Racing**, to participate in its **2019 Formula Hybrid International** Competition that took place in the New Hampshire Motor Speedway, NH, USA from 29<sup>th</sup> April 2019 to 2<sup>nd</sup> May 2019. Ashwa Racing, the Hybrid Racing Team from RV College of Engineering, Bengaluru, not only participated in the event but also received **Third place in the competition**.

**The team also won the Excellence in Project Management Award, presented by the IEEE.**

This award could not have been given to a better team. Ashwa Racing did a superb job in Project Management and this honor and recognition by the IEEE is incredibly valuable. Though the team competes with a logistics disadvantage as an international team, they never once complained and far exceeded everyone's expectations. We would be thrilled to have them back again next year.

**On the second page of this document, you will find a list of the attendees from the RV College of Engineering's Formula Hybrid Ashwa Racing team who participated in the 2019 Formula Hybrid Competition.**

If you need further information please feel free to contact Director, Doug Fraser or Coordinating Manager, Jessica Kinzie by phone: 603-646-6580, fax: 603-646-0151, or e-mail: [jessica@formula-hybrid.org](mailto:jessica@formula-hybrid.org).

Best Regards,

*Jessica Kinzie*

Jessica Kinzie  
Coordinating Manager, Formula  
Hybrid [jessica@formula-hybrid.org](mailto:jessica@formula-hybrid.org)  
Phone: 603-646-6580

2019 Formula Hybrid Competition

GIVEN NAME	SURNAME	PASSPORT NUMBER
Ruthuparna	Hadonahalli Kemparaju	T0538015
Chinimaya	Khamesra	R7111536
Anirudh Nandakumar	Kothimangalam	T0542800
Harish Kumar	Marilingappa	T1018816
Bharath Anand	Talikoti	L7038624
Sathvik Ashok	Shetty	T1392562
Rhea	Dadiala	T1025453
Goutham	Shivakumar Gowda	P2581271
Sathvik	Byram	S4842685
Sahil Jairam	Malvi	T1024892
Aditya	Ranjan	T0549084
Ayan	Das	R2992258
Hariharan	Ravichandran	M8634381
Nachiket	Kakatkar	L6018352
Manasi Rammohan	Kadambi	M5913337
Harshita	Parasrampur	M8063709
Shreyash Sreedhar	Kalal	R2128323
Siddharth Reddy	Akkireddy	P1823279
Bharath	Elangovel	N6478751
Smith Samir	Patel	L2435518

Further information regarding Formula Hybrid:

<http://www.formula-hybrid.org>

INTERNATIONAL COMPETITION | NEW HAMPSHIRE MOTOR SPEEDWAY | LOUDON NH

Founded by Thayer School of Engineering at Dartmouth | 14 Engineering Drive | Hanover, NH 03755 | 603.646.6580 | formula-hybrid.org

8. Participated in Formula Bharat 2020, representing *Ashwa Racing* and attained a 3<sup>rd</sup> place victory nationally, in the Business Event of Formula Bharat 2020.



## CERTIFICATE OF PARTICIPATION

**SHREYASH KALAL**  
RV College of Engineering

For participation in the

**Formula Bharat 2018 Competition**  
January 25-28, 2018 | Kari Motor Speedway, Coimbatore, TN

AUTHORIZED BY

  
CATHY D'SOUZA  
Event Manager



**Business Plan Presentation Event Results**

0-75						
Car #	Team Name	Institution Name	Presentation (75)	BPES	Final Score (75)	RANK
3	Team Srijan	Birla Institute of Technology, Mesra	75.00	0	75.00	1
11	Ashwa Racing	R.V. College Of Engineering	73.50	0	73.50	2
38	Team Defianz Racing	Delhi Technological University	73.00	0	73.00	3
1	Orion Racing India	K. J. Somaiya College of Engineering	71.00	0	71.00	4
20	Stallion Motorsport S3.0	Smt. Kashibai Navale College of Engineering Pune	64.94	0	64.94	5
41	IITK Motorsports	Indian Institute of Technology Kanpur	64.52	0	64.52	6
13	Inspired Karters	BITS Pilani	64.10	0	64.10	7
53	GEU Motorsports	Graphic Era University	64.10	0	64.10	7
21	GT Motorsports	Gujarat Technological University	63.67	0	63.67	9
16	Team Unwired	National Institute of Technology Calicut	63.25	0	63.25	10
62	Resonance Racing	AISSMS College of Engineering	63.25	0	63.25	10
9	Team Octane Racing	College Of Engineering, Pune	62.41	0	62.41	12
14	Camber Racing	SRM University	70.00	10	60.00	13
46	Shaurya Racing	VIT Chennai	58.61	0	58.61	14
8	GVA Motorsports	G.V.Acharya Institute of Engineering and Technology	58.19	0	58.19	15
28	Team Vamos Autocross	Sinhgad Academy of Engineering, Kondhwa(Bk),Pune	53.55	0	53.55	16
25	Ethan Racing	Vidyardhini's College of Engineering and Technology	53.34	0	53.34	17
15	Team Kratos Racing	Pimpri Chinchwad College of Engineering	52.71	0	52.71	18
66	Team Traxion	Sri Venkateswara College of Engineering	49.76	0	49.76	19
54	Automantra Racing	Galgotias University	46.39	0	46.39	20
5	Team Nequit	Rajarambapu Institute of Technology	45.96	0	45.96	21
48	Team Accelerons	NIT Kurukshetra	45.54	0	45.54	22
51	Team Racing Nemos	Madras Institute of Technology	45.54	0	45.54	22

**Business Plan Presentation Event Results**

Car #	Team Name	Institution Name	Presentation (75)	BPES	Final Score (75)	RANK
45	SPCE Racing	Sardar Patel College Of Engineering	45.12	0	45.12	24
18	Manab Racing	Haldia Institute of Technology	44.70	0	44.70	25
42	Team Haya Racing	PES University	44.07	0	44.07	26
2	DJS Racing	D.J. Sanghvi College of Engineering	43.86	0	43.86	27
36	AeroX Motorsports	SRM University, NCR CAMPUS	43.43	0	43.43	28
22	Force Ikshvaku	The National Institute of Engineering, Mysuru	43.01	0	43.01	29
67	Team Roadrunner	National Institute of Technology, Rourkela	42.59	0	42.59	30
4	Raftar Formula Racing	IIT Madras	42.17	0	42.17	31
57	Max Torque Racing	Acharya Institute of Technology	41.54	0	41.54	32
24	Aious Formula Student	Indira Gandhi Delhi Technical University for Women	39.01	0	39.01	33
12	Amrita Racing	Amrita School of Engineering	36.69	0	36.69	34
27	Kreinto Racing	K L University	35.00	0	35.00	35
47	Hermes Racing	KIIT University	35.00	0	35.00	35
56	Team BrahMos Racing	Nagesh Karajagi Orchid College Of Engineering & Technology	35.00	0	35.00	35
44	Pegasus Racing	PSG College of Technology	33.52	0	33.52	38
7	Team Revolution	D Y Patil School of Engineering Academy AMBI	30.36	0	30.36	39
55	Team iShell	Chandigarh University	29.73	0	29.73	40
59	Vaayu	MGM'S Jawaharlal Nehru Engineering College	28.67	0	28.67	41
68	The Metal Falcons	D Y Patil College Of Engineering	28.67	0	28.67	41
40	CRCE Formula Racing	Fr. Conceicao Rodrigues College of Engineering	25.09	0	25.09	43
17	Atraiu Racing	Hindustan Institute of Technology and Science	24.46	0	24.46	44
19	Team Lakshya	Chitkara University	20.66	0	20.66	45
70	The Interceptors	Dr. D.Y. Patil Institute Of Technology	18.98	0	18.98	46
29	Veerracerss	Veer Surendra Sai University Of Technology	17.71	0	17.71	47

**Business Plan Presentation Event Results**

Car #	Team Name	Institution Name	Presentation (75)	BPES	Final Score (75)	RANK
58	Team Ojaswat	Chandubhai S. Patel Institute of Technology, CHARUSAT	17.29	0	17.29	48
49	Infinity Motorsport	Amity School of Engineering and Technology	17.08	0	17.08	49
71	Formula Team Pegasus	PES Modern College Of Engineering	15.81	0	15.81	50
65	Cool Runnings	Manav Rachna International University	14.34	0	14.34	51
39	Redline Racing	JSPM's Rajarshi Shahu College OF Engineering	13.49	0	13.49	52
63	Fast and Furious Motorsports	Veltech Multitech Dr.RR & Dr.SR Engineering College	12.65	0	12.65	53
31	DIT Motoracing	DIT University	8.43	0	8.43	54
69	Team Sakthi Racing	Kumaraguru College of Technology	20.45	70	0.00	55

9. Participated in Formula Bharat 2020, representing *Ashwa Racing*



## CERTIFICATE OF PARTICIPATION

***Shreyash Kalal***

07 Ashwa Racing  
R V College of Engineering

for participating at the  
**2nd Annual FSEV Concept Challenge**  
October 7, 2018 | Ather Energy HQ, Bengaluru

AUTHORIZED BY

Cathy D'Souza  
Event Chair

BANCODE: 8072455