



AVIT
AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY



**VINAYAKA MISSION'S
RESEARCH FOUNDATION**
(Deemed to be University under section 3 of the UGC Act 1956)



INSTITUTION INNOVATION COUNCIL (IIC) – AVIT

Any one social media Url Link Facebook/Twitter/Instagram/LinkedIn	https://www.facebook.com/photo?fbid=627012872885415&set=a.561293142790722		
Program Driven by IIC Calendar Activity/ MIC Driven Activity/ Celebration Activity/Self driven activity	IIC Calendar Activity		
Event Title	AVIT Internal Hackathon (Intra Institutional Hackathon)		
Resource / Evaluators Person	Dr.L.Prabhu , Dr.Srinivasan, Dr.E.Jayasree , Dr.N.Harikrishnan		
Academic year	2023 - 24	Date: 21/09/2023 &22/09/2023	
Program Type Level 1 - Expert Talk/ Exposure Visit/ Mentoring Session (2 to 4 Hours) Level 2 – Conference / Exposure Visit / Seminar / Workshop (5 to 8 Hours) Level 3 – Bootcamp/ Competition/ Demo Day/ Exhibition / Workshop (9 to 8 Hours) Level 4 – Challenges/ Hackathon/ Tech Fest (Greater than 18 hours)	Level 3 - competition		
Program Theme IPR & Technology Transfer / Innovation & Design Thinking / Entrepreneurship & Startup / Pre-Incubation & Incubation Management	Innovation & Design Thinking		
Start date & End Date (DD/MM/YYYY)	21/09/2023	22/09/2023	
Duration of the activity (in Mins) & Start Time & End Time	Duration: 600 Mins.	Start Time: 9:30 AM	End Time: 3:30 AM
Participants	Students: 125 (Min. 40 Students)	Faculty:0	External:0
Mode of session (online / offline) * Online Video Url compulsory	Offline		
Event Organizer / Coordinator Faculty Name / Department / Designation	Dr.L.Prabhu		
Expenditure	Rs.6000		



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Objective (100 letters only)	To identify the best innovative idea among the student innovators
Benefits in terms of learning/skill/Knowledge obtained (150 letters only)	Students ideas were evaluated by the expert committee and they gained their valuable inputs to proceed further

Report:

About AVIT Internal Hackathon 2023:

AVIT Internal Hackathon 2023 is an initiative to provide students a platform to solve some of the pressing problems we face in our daily lives, and thus inculcate a culture of product innovation and a mind-set of problem solving. students offer out-of-the-box solutions to the defined problems.

Institution Innovation Council (IIC) –AVIT has organized an Internal Hackathon on 20.09.2023 and 21.09.2023 for scrutinizing the Student Innovative ideas. The Internal Hackathon was conducted in accordance with the Problem Statements in the areas of Smart Communication, Agriculture and Rural Development, Food Processing, Waste Management, Renewable Energy, Health care & Biomedical devices, Smart Vehicles, Robotics & Drone, Clean water, Security & Surveillance, Miscellaneous. The students from various branches of Engineering participated enthusiastically and came up with innovative ideas. Nearly 17 ideas were presented and judged by an Internal Expert Panel Members. Out of which 7 Projects (5 Software & 2 Hardware) were scrutinized by the Panel members.

A evaluation committee meeting was held on **21.09.2023 & 22.09.2023** at **board room** with the following members constituting the Screening & Evaluation Committee at **AARUPADAI VEEDU INSTITUTE OF TECHNOLOGY** level for shortlisting of Ideas received for internal Hackathon.

S. No.	Evaluation Committee Expert Name	Name, Designation & Organization
1	Dr.G.Selvakumar	Principal Aarupadai Veedu Institute of Technology
2	Dr.L.Prabhu	Professor & Vice Principal (Admin.) IIC President
3	Dr.Srinivasan	EDC Coordinator-SAS, AV Campus



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4	Dr.E.Jayasree	Head, Dept. of Physics, SAS, AV Campus
5	Dr.N.Harikrishnan	Professor, SAS , AV Campus
6	Dr.Adil Mohammed	CEO GIEC

Evaluation committee evaluated the ideas presented by the students and gave their suggestions and mentored the students to refine their ideas more specifically to solve the problem statements.








Aarupadai Veedu Institute of Technology

AVIT Internal Hackathon-SIH 2023

21.09.2023 & 22.09.2023

@ 10.00 a.m.



SMART INDIA HACKATHON 2023



Note:

Participation Eligibility : Both undergraduate (UG) and postgraduate (PG) students, whether enrolled as regular full-time or part-time, are eligible to participate in Hackathon 2023.

Team Composition : Each team must consist of a total of six members, including the designated team leader.

Inclusion of Female Team Member : It is mandatory for each team to have at least one female team member.

Encouragement for Diverse Teams : We strongly encourage the formation of teams comprising members from different branches within the same institution.

Last Date For Registration : 20.09.2023 before 5.00 p.m.

For Problem Statements

For any clarification :
contact : 9840039252, Mail id : pd.ipic@avit.ac.in



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To know more about SIH 2023
Visit : www.sih.gov.in



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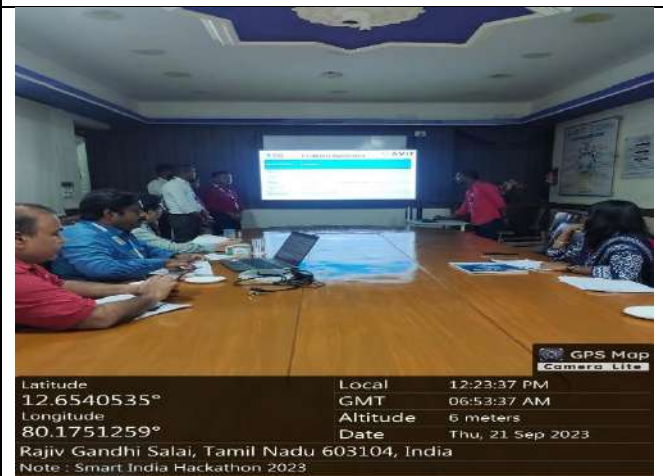


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**INSTITUTION'S
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EVENT GALLERY





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List of Participants

CIVIL TEAM DETAILS

TEAM : jaarrvviiss

Category : software

PS : Defined / Air and water quality index and environment monitoring

	Name	Gender (M/F)	E-Mail ID	Mobile No	Stream	Year
Team Leader Name	Mr. HIMANSHU KUMAR	M	Himanshu.kumar_becivil20@avit.ac.in	9065389344	CIVIL	4 th year
Team Member	Mr. ANWAR SADHATH	M	anwarsadhath.k_becivil20@avit.ac.in	9400787786	CIVIL	4 th year
Team Member	Mr. AJAY K	M	ajay.k_becivil20@avit.ac.in	9207663287	CIVIL	4 th year
Team Member	Ms. NANDITHA KA	F	nandithaashokan3@gmail.com	8848377206	CIVIL	4 th year
Team Member	Mr. G DILIP KUMAR	M	dilip.dilip_becivil22@avit.ac.in	9474269613	CIVIL	2 nd year
Team Member	Mr. KAILASH KUMAR KAMAT	M	kailash.kumar_becivil22@avit.ac.in	8252993592	CIVIL	2 nd year
Team Mentor	D.Parthiban	M	Parthiban.civil@avit.ac.in	9940510402	Civil	-

TEAM : The Big Leagues

Category : software

PS : Defined / Automated Public Lighting

	Name	Gender (M/F)	E-Mail ID	Mobile No	Stream	Year
Team Leader Name	Mr. ARJUN ANILKUMAR	Male	arjunanilkumar100@gmail.com	6238067259	CIVIL	4 th year
Team Member	Mr. ELIAS JITHIN VARGHESE	Male	eliasjithinvarghese123@gmail.com	8157008180	CIVIL	4 th year
Team Member	Ms. NABILA	Female	nabilabilu321@gmail.com	7592900805	CIVIL	4 th year



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Team Member	Mr. AVISHEK ANAND	Male	avishekanand2003@gmail.com	9006299659	CIVIL	2 nd year
Team Member	Mr. RAJEEV RANJAN KUMAR	Male	rajeev.ranjan_becivil22@avit.ac.in	9128226482	CIVIL	2 nd year
Team Member	Mr. Sinan A	Male	sinaninsta123@gmail.com	8089244996	CIVIL	4 th year
Team Mentor	Dr. VAIDEVI	Female	vaidevi.c@avit.ac.in	9003046936	Civil	-

TEAM : CIVILIANS

Category : hardware

PS : Defined / Effective management of construction and demolition (C&D) waste

	Name	Gender (M/F)	E-Mail ID	Mobile No	Stream	Year
Team Leader Name	Ms. LAXMI KUMARI	Female	laxmi.kumari_becivil20@avit.ac.in	9570658461	CIVIL	4 th year
Team Member	Mr. NISHANT KUMAR	Male	nishant.kumar_becivil20@avit.ac.in	9110184742	CIVIL	4 th year
Team Member	Mr. HRIDAYA NAND SINGH	Male	hridayanand.singh_becivil20@avit.ac.in	7667696580	CIVIL	4 th year
Team Member	Mr. NABAM HANIA	Male	nabam.hania_becivil21@avit.ac.in	8414984112	CIVIL	3 rd year
Team Member	Mr. SAJEN BUI	Male	sajen.bui_becivil21@avit.ac.in	6033874684	CIVIL	3 rd year
Team Member	Mr. SRISRINIVAS	Male	donsuresh2001@gmail.com	8667601495	CIVIL	3 rd year
Team Mentor	Mr. R. SANJAY KUMAR	Male	sanjay.civil@avit.ac.in	9600398127	CIVIL	-



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TEAM : CIVILIANS

Category : hardware

PS : Defined / Effective management of construction and demolition (C&D) waste

	Name	Gender (M/F)	E-Mail ID	Mobile No	Stream	Year
Team Leader Name	Mr. MIDHUN M	Male	midhunm45881@gmail.com	9746911902	CIVIL	4 Th year
Team Member	Mr. JOE S YOHANNAN	Male	Joesyohannan11@gmail.com	9539422009	CIVIL	4 Th year
Team Member	Ms. RUHANI BEGUM CHOUDHURY	Female	ruhanisilchar@gmail.com	9395416270	CIVIL	3 Rd year
Team Member	Mr LEYANG B.N.SHIU	Male	leyangaliang45@gmail.com	9863754587	CIVIL	3 Rd year
Team Member	Mr. TAYA NALO	Male	nalotaya7@gmail.com	9362608175	CIVIL	3 Rd year
Team Member	Mr. S. PREETHIVIRAJAN	Male	preethivirajanvks@gmail.com	9786824383	CIVIL	3 RD year
Team Mentor	Ms. R.Abirami	Male	abirami.civil@avit.ac.in	9952541248	CIVIL	-

ECE TEAM DETAILS

TEAM : CRICTIXZ

Category : hardware /software

PS : Defined / student innovation

	Name	Gender (M/F)	E-Mail ID	Mobile No	Stream	Year
Team Leader Name	SAJITHA PARVEEN	F	parveensajitha7@gmail.com	8825536731	ECE	2 nd year
Team Member	AJAY	M	ajaycruze03@gmail.com	6381107941	ECE	2 nd year
Team Member	SIVABALAN	M	sivabalan.s_bebme22@avit.ac.in	7708531990	BME	2 nd year
Team Member	SONU KUMAR	M	sonu.kumar_bebme22@avit.ac.in	7858835417	BME	2 nd year



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r						
Team Member	MANOJSAH	M	manojkumar778286@gmail.com	7782861713	BME	3 RD year
Team Member	YOGESHWAR .V	M	yokeshyogi444@gmail.com	9003204284	BME	3 RD year
Team Mentor	Dr. A.Keerthika	F	Keerthika.avec099@avit.ac.in	9940510402	ECE	

TEAM : Electronixavit

	Name	Gender(M/F)	E-Mail ID	Mobile No	Stream	Year
Team Leader Name	ABHAY KUMAR BHABAK	M	abhay.kumar_beece20@avit.ac.in	8900907327	ECE	IV
Team Member	BISHAL MAJHI	M	bishal.majhi_beece20@avit.ac.in	9679595738	ECE	IV
Team Member	ATCHAY A M	F	atchaya.m_beece20@avit.ac.in	9159725170	ECE	IV
Team Member	KESHAV KUMAR	M	keshav.kumar_beece20@avit.ac.in	8340687090	ECE	IV
Team Member	MANEPALLI SRIHARI	M	hari.mannepallisrihari_beece20@avit.ac.in	9381331322	ECE	IV
Team Member	AKSHAY KUMAR	M	akshaykumar.b_bebme21@avit.ac.in	6207766019	BME	III
Team Mentor	LK HEMA	F	hemalk@avit.ac.in	9840655279	ECE	Professor & HOD



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TEAM : Fusion

	Name	Gender(M/F)	E-Mail ID	Mobile No	Stream	Year
Team Leader Name	Saranraj.G	M	govindsaran945@gmail.com	6381252197	ECE	II
Team Member	Sajitha Parveen.R	F	parveensajitha7@gmail.com	8825536731	ECE	II
Team Member	Sanjay.T	M	sanjaythias@gmail.com	8754325808	BME	II
Team Member	Viswathan. R	M	vv2133704@gmail.com	8825536731	BME	III
Team Member	Abirami.D	F	abirami67676@gmail.com	7418920476	BME	II
Team Member	Vinjamuru lakshmi	M	vinjamurulakshmi@gmail.com	9704548853	BME	II
Team Mentor	Vanitha. V	F	vanitha.ece@avit.ac.in	9043055622	ECE	-

TEAM:Jarvis

	Name	Gender(M/F)	E-Mail ID	Mobile No	Stream	Year
Team Leader Name	Mr. SUDHARA VATHANAN M	Male	sundharavathanan.m_beece21@avit.ac.in	8825784412	ECE	III
Team Member	Mr. MRUDHUL MANOJ	Male	mrudhul.manoj_beece22@avit.ac.in	8754450885	ECE	II
Team Member	Mr. MUMMINI SATHISH KUMAR NAIDU	Male	msathish.kumar_beece22@avit.ac.in	7569546847	ECE	II



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Team Member	Mr. MD AMIR SUBHANI	Male	amir.subhani_bebme21@avit.a c.in	8527763 013	BME	III
Team Member	Mr. LAXMAN RAY	Male	laxman.ray_bebme22@avit.ac.i n	9576094 590	BME	II
Team Member	Ms. DIVYA BHARTI	Female	divya.bharti_bebme22@avit.ac. in	6207274 963	BME	II
Team Mentor	Mr. R. KARTHIKEYAN	Male	rrmdkarthikeyan@avit.ac.in	9884577 189	ECE	-

TEAM : Research Engines

	Name	Gender(M/ F)	E-Mail ID	Mobile No	Stream	Year
Team Leader Name	RANJAN KUMAR JAISWAL	M	ranjanjaiswal99318@gmail.com	82928851 03	BME	III
Team Member	CHALLA CHARAN CHAITANYA	M	charanchaitu43@gmail.com	99483313 81	ECE	III
Team Member	PASUPALA CHANDRA OMKAR REDDY	M	omkarchintu24883@gmail.com	76808984 32	ECE	II
Team Member	NANDHINI A	F	nandhinia540@gmail.com	96778874 66	BME	II
Team Member	PUTTHA HARSHA VARDHAN REDDY	M	harsha1805431@gmail.com	89774049 42	ECE	II
Team Member	SACHIN S	M	phavithrasankar@gmail.com	93422462 17	ECE	II



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Team Mentor	VIJAY J	M	Vijay.ece@avit.ac.in	7548875171	ECE	
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TEAM : WiredWizards

	Name	Gender(M/F)	E-Mail ID	Mobile No	Stream	Year
Team Leader Name	JEEVITHA R	F	jeevitha.r_beece20@avit.ac.in	9025207558	ECE	IV
Team Member	MURUGAN T	M	murugan.t_beece20@avit.ac.in	9677851365	ECE	IV
Team Member	VISHVA A	M	vishva.a_beece20@avit.ac.in	8825924604	ECE	IV
Team Member	VIKESH KUMAR	M	vikeshku118@gmail.com	6207979882	ECE	IV
Team Member	VELMURUGAN	M	Velmurugan.m_bebme22@avit.ac.in	8489165677	BME	II
Team Member	JENITHA J	F	jrjenitha@yahoo.com	8825924604	EST	II
Team Mentor	Dr.R.Mohana priya	F	mohanapriya@avit.ac.in	9940027070		

TEAM : XSPARK

	Name	Gender (M/F)	E-Mail ID	Mobile No	Stream	Year
Team Leader Name	MURUGAN T	Male	murugan29062003@gmail.com	9677851365	ECE	IV
Team Member	PRADEE P J	Male	pradeepvikki00@gmail.com	9994638828	CSE	IV
Team Member	BISHAL MAJHI	Male	bishalmajhi7796@gmail.com	9679595738	ECE	IV



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Team Member	JEEVITH A R	Female	Jeevitharss1999@gmail.com	9025207558	ECE	IV
Team Member	KESHAV KUMAR	Male	Keshavp10112003@gmail.com	8340687090	ECE	IV
Team Member	SHYAM BIHARI	Male	shyam371bihari@gmail.com	9334832922	BME	III
Team Mentor	RAJAT KUMAR DWIBEDI	Male	rajatkumar.ece@avit.ac.in	9884767833	ECE	Assistant Professor, Gr-II

Team : SMART STREET LIGHT

	Name	Gender (M/F)	Email Id	Mobile no	Stream	Year
Team Leader	MANIKANDAN.M	M	Manikandan53697m@gmail.com	9344561589	MECH	IV
Team Member	UDHAYAM K	M	udhayaudhayam182@gmail.com	7010813139	MECH	IV
Team Member	A SANTHOSH	M	santhoshappun2@gmail.com	9360652355	MECH	IV
Team Member	GUNDATTI CHARAN	M	gundaticharan@gmail.com	9345035252	MECH	II
Team Member	SUKUMAR RAY	M	sukumaray7491@gmail.com	7491868848	MECH	II
Team Member	HAMALATHA.T	F	Hemathamizh111@gmail.com	8110846378	AIDS	III
Mentor 1	DR.S.SANGEETHA	F	Sangeethas@avit.ac.in	9677273089	MECH	

Team : SOIL MOISTURE CONTROL

	Name	Gender (M/F)	Email Id	Mobile no	Stream	Year



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Team Leader	VASANTH KUMAR J	M	jmick13579@gmail.com	6383697235	MECH	III
Team Member	LOHIDHARSHAN T	M	lohidharshanlohidharshan4@gmail.com	6383133472	MECH	III
Team Member	GOPIKRISHNA H	M	gopikrishnah1998@gmail.com	7306897717	MECH	IV
Team Member	VASANTHRAJ R	M	vasanthnr6@gmail.com	9524149534	MECH	IV
Team Member	DHANUSH M	M	dhanushvishnu2020@gmail.com	7550257018	MECH	II
Team Member	S.ANITHA	F	s.anithashanugam6382@gmail.com	9791250081	CSC	III
Mentor 1	Dr.M.SARAVANAKUMAR	M	saravanakumar@avit.ac.in	9841323772	MECH	

Team : DRUG DISPENSER

	Name	Gender (M/F)	Email Id	Mobile no	Stream	Year
Team Leader	PAVAN KUMAR S	M	pasonjosephite42@gmail.com	8197059632	MECH	III
Team Member	BIKAS BASFORE	M	basforebikash1998@gmail.com	8638583074	MECH	III
Team Member	THARUN KUMAR	M	tharunkumar888555@gmail.com	8508576705	MECH	IV
Team Member	SRINIVASAN G	M	abisrinivasan31@gmail.com	6379617646	MECH	IV
Team Member	MUKILAN G	M	Mukilang304mech2020@gmail.com	9500692210	MECH	II



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Team Member	SHARMILA.S	F	Sharmilashalini128@gmail.com	9080460821	CSC	III
Mentor 1	Mr.M.SARAVANAN	M	saravanan@avit.ac.in	9841906722	MECH	

Team : WIND LAMP POST

	Name	Gender (M/F)	Email Id	Mobile no	Stream	Year
Team Leader	SUBHAM MAL	M	sbm2002mal@gmail.com	6383995747	MECH	III
Team Member	MOHAMMED ASARAFALI .S	M	alashim260@gmail.com	90921 96404	MECH	III
Team Member	VIGNESH .V	M	vv895443@gmail.com	7824990578	MECH	IV
Team Member	IYYAPAN .S	M	abimarley143@gmail.com	9894183051	MECH	II
Team Member	JAMES ANDREWS	M	jamesvino595@gmail.com	7305130163	MECH	II
Team Member	MONISHA .P	F	Lazygirls2816@gmail.com	9176097596	CSC	III
Mentor 1	DR.PRAKASH S	M	prakash@avit.ac.in	74016049155	MECH	

Team : NURSING ROBOT

	Name	Gender (M/F)	Email Id	Mobile no	Stream	Year
Team Leader	AMIT KUMAR	M	Amit65ciso@gmail.com	7462806203	CSC	IV
Team Member	AKASH KUMAR	M	akashkumarbihar2002@gmail.com	7320873677	MECH	IV
Team Member	MD ZIBRAN ALAM	M	mdzibran_beeee20@avit.ac.in	9262346092	EEE	IV
Team Member	CHANDAN KUMAR	M	ck9822838@gmail.com	6203109780	MECH	IV



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	Name	Gender (M/F)	Email id	Mobile no.	Stream	Year
Team Leader	Tejaswi Chaturvedi	F	tejaswichaturvedi2006@gmail.com	9523466452	B.E CSE - General	I Year
Team Member	Adarsh Kumar Keshri	F	rkkumar969377@gmail.com	6206283979	B.E CSE - General	I Year
Team Member	Sumit Kumar	F	sumitk36589@gmail.com	8235753246	B.E CSE - General	I Year
Team Member	Sugandha Kumari	F	sugandhasept16@gmail.com	8822655266	B.E CSE - General	I Year
Team Member	Rahul Kumar	F	rahulavit344@gmail.com	9142627005	B.E CSE - General	I Year
Team Member	Ritesh Kumar	M	munnakeshri533@gmail.com	9693779029	B.E CSE - General	I Year
Mentor 1 (Optional)	Dr.R.N.Viswanath	M	rnviswanath@avit.ac.in	9362625622	Ph.D., Physics / Device Fabrication	-
Mentor 2 (Optional)	Dr.R.Nagalakshmi	F	Nagalakshmi.chemistry@avit.ac.in	9566257025	Ph.D., Chemistry / Material Science	-
Team Member	S.SRINIVASAN	M	seenukiran30@gmail.com	6380760193	MECH	III
Team Member	AKSHAYA	F	aakshavamj@gmail.com	77360363013	ECE	III
Mentor 1	Dr.D.BUBESHKUMAR	M	bubeshkumar@avit.ac.in	7871370427	MECH	

TEAM: RADIANT
(Problem statement - AUTOMATED PUBLIC LIGHTING) – Hardware



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TEAM: POWER HOUSE

(Problem statement- : Development of Small Scale Wind energy device) – Hardware

	Name	Gender (M/F)	Email id	Mobile no.	Stream	Year
Team Leader	V. Dhanesh Kumar	M	Vdhanesh2004kumar@gmail.com	9434291615	B.E CSE - INTEL AIML	I Year
Team Member	CH Nikhil	M	Chnikhil2005@gmail.com	9679502330	B.E CSE - INTEL AIML	I Year
Team Member	M B Lakshun	M	lakshunbalaji@gmail.com	7419711201	B.E CSE - INTEL General	I Year
Team Member	K.Poojitha	F	Poojitha91104@gmail.com	7063976267	B.E CSE - INTEL General	I Year
Team Member	Jayasri	F	T,u,jayasri@gmail.com	9679599686	B.E CSE - INTEL General	I Year
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TEAM: BIOLUMINESCENT - Software

Students Innovation project



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TEAM: CHANGE MAKERS -- Software Students Innovation project

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TEAM NAME: ELECTRICA

	NAME	GENDE R (M/F)	Email Id	Phone No	STREEM	YEA R
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Team Members	B.Manikandan	Male	mm5415022@gmail.com	9626621965	BE(Mechatronics)	3rd year
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INNOVATION
COUNCIL**
(Ministry of HRD Initiative)

Members				6424	tronics)	year
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EAM NAME: TECHPARK

1. TEAM NAME: LuminaTech Team

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Team Member 4	Mr. Thimmiseti Suresh	M	thimmisettysuresh@gmail.com	7993740802	BE(EE E)	3 rd year 5 th sem
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2. TEAM NAME: ADHI

Name	Gender (M/F)	Email ID	Mobile No.	Stream	Year
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Team Member	Surya das M	M	suryadasm4554@gmail.com	9809755840	EEE	IV
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6. TEAM NAME: MAV Tech



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7. TEAM NAME: FIRE WINGS

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8. TEAM NAME: EEE Prevent Corrosion



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Team Member	ANBARASAN	M	anbu71099@gmail.com	9626775972	EEE	IV
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