

Ideas/Prototypes/Start-ups Initiated

The IIC is constantly encouraging its students and faculty members to participate and upload their innovations on the YUKTI portal. The following Innovations have been submitted to the YUKTI portal.

Ideas:

Sr. No.	Innovation ID	Date of Submission	Innovation Title	FY of Development	Developed as part of	Team Lead Details
1	IR2023-874060	22-08-2023	Auto seed ball machine TRL Title - TRL 2	2022-23	Academic Requirement/Study Project	Sejal Gahlod gahlodsj@rknece du 8983693258 Student 21MEU1007MEU 1
2	IR2023-874040	22-08-2023	Smart stick for blind man TRL Title - TRL 2	2022-23	Academic Requirement/Study Project	Abhishek Shrivastav Shrivastavaa_4@ rknece.edu 7820875643 Student 21MEU1009MEU 1
3	IR2023-874039	22-08-2023	Earthquake Detection System TRL Title - TRL 1	2022-23	Academic Requirement/Study Project	Priyansh Rajesh Shahu shahupr_1@rkne ce.edu 9623013817 Student 21MEU1044MEU 1
4	IR2023-873928	21-08-2023	Mechanicaq TRL Title - TRL 1	2022-23	Academic Requirement/Study Project	Amrut Anant Phate phateaa@rknece. edu 9175594002 Student phateaa@rknece. edu
5	IR2023-873926	21-08-2023	Assistive Vehicle Indication Using App	2022-23	Academic Requirement/Study Project	Yash Sunil Petkar petkarys@rknece. edu

			TRL Title - TRL 1			9156737119 Student petkarys@rknecc.edu
6	IR2023-873925	21-08-2023	Bluetooth operated solar grass cutter TRL Title - TRL 2	2022-23	Academic Requirement/Study Project	Anushka Sainis sainisam@rknecc.edu 9767386197 Student 21MEU1001MEU1
7	IR2023-873923	21-08-2023	ARDUINO OBSTACLE AVOIDING ROBOT CAR TRL Title - TRL 1	2022-23	Academic Requirement/Study Project	Ayush Paigwar paigwaraj@rknecc.edu 8208783635 Student 21MEU1024MEU1
8	IR2023-873920	21-08-2023	Chat Bot For Mechanical Department TRL Title - TRL 1	2022-23	Academic Requirement/Study Project	Vishal samaddarvb@rknecc.edu 7666499210 Student 21MEU1062MEUY
9	IR2023-873914	21-08-2023	LPG GAS LEAKAGE DETECTOR TRL Title - TRL 1	2022-23	Academic Requirement/Study Project	Madhur Mawale mawalemm@rknecc.edu 8668721276 Student 21MEU1032MEU1
10	IR2023-873897	21-08-2023	Coconut Cutter TRL Title - TRL 1	2022-23	Academic Requirement/Study Project	Amogh Deogaonkar deogaonkaraa@rknecc.edu 7066234541 Student 21MEU1014MEU1
11	IR2023-873890	21-08-2023	VERTICAL FOLDING WALKER TRL Title - TRL 1	2022-23	Academic Requirement/Study Project	Vedant Pulliwar pulliwarva@rknecc.edu 9021250985 Student 21MEU1060MEU1

12	IR2023-873864	21-08-2023	Automatic Plant Watering System TRL Title - TRL 1	2022-23	Academic Requirement/Study Project	Manav Pande pandemr@rknec.edu 8421462851 Student pandemr@rknec.edu
13	IR2023-873805	20-08-2023	Battery Operated Load Trolley for Industries TRL Title - TRL 1	2022-23	Academic Requirement/Study Project	Mohit Gullani gulanims@rknec.edu 7828387078 Student 21MEU1037MEU1
14	IR2023-873769	20-08-2023	ELECTRICITY GENERATION THROUGH ROLLER MECHANISM TRL Title - TRL 2	2022-23	Academic Requirement/Study Project	ARMAAN GHAI, OJAS CHORDIYA, PRATIK PATIL chordiyaop@rknec.edu 8551899922 Student 21MEU1019MEU1, 21MEU1039MEU1, 21MEU1042MEU1
15	IR2023-873076	13-08-2023	Vehicle Brand Detection System TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Chirag Pradeep Lalwani lalwanicp@rknec.edu 9975649446 Student 20211000916312
16	IR2023-872432	07-08-2023	APPLICATION FOR NEWS ENTHUSIASTS TRL Title - TRL 1	2022-23	Academic Requirement/Study Project	Vinayak Soni vhsoni143@gmail.com 7709876880 Student 20211000916212
17	IR2023-872365	07-08-2023	SPEECH IMAGE DESCRIPTION USING YOLO	2022-23	Academic Requirement/Study Project	Nilanshu Hedao hedaoonr_1@rknec.edu 9373335217 Student

			TECHNOLOGY TRL Title - TRL 2			20211000916196
18	IR2023-872235	05-08-2023	MENTAL HEALTH CHECKER TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Aditya Bopche anshu.bopche.ab@gmail.com 9930493443 Student 20211000916171
19	IR2023-872121	04-08-2023	COLD STORAGE REGULATOR TRL Title - TRL 1	2021-22	Academic Requirement/Study Project	Madhav Dayanand Jha jhamadhav28@gmail.com 9702752201 Student 20211000916193
20	IR2023-872068	03-08-2023	Modelling and Simulation Of DC-DC Converter for Fuel Cell System TRL Title - TRL 1	2022-23	Academic Requirement/Study Project	Saurabh Virendra Patel patelsaurabh688@gmail.com 7249547907 Alumni 19EEU1053EEU1
21	IR2023-872059	03-08-2023	Designing Control Signal of Inverter using MPPT technique and SPWM method for a PV System In 1- Phase Grid TRL Title - TRL 2	2022-23	Academic Requirement/Study Project	Saurabh Virendra Patel patelsaurabh688@gmail.com 7249547907 Alumni 19EEU1053EEU1
22	IR2023-871974	01-08-2023	Community Centric Application Problem (Movie Recommend	2022-23	Academic Research Assignment/Industry Sponsored Project	Vishakha Sharma vishakharsharma@gmail.com 9175465711 Student

			ation System) TRL Title - TRL 3			20211000916303
23	IR2023-871910	31-07-2023	Revolutionizing rural electrification with PV Integrated energy storage system: The DC House Solution TRL Title - TRL 1	2022-23	Academic Research Assignment/Industry Sponsored Project	Deepti Sinha deeptisinha2015@gmail.com 8789625927 Alumni 20201000916964
24	IR2023-871901	31-07-2023	Early Detection of Glaucoma using CNN Architecture TRL Title - TRL 2	2022-23	Academic Research Assignment/Industry Sponsored Project	Ayush Balpande ayushbalpande02@gmail.com 9307728650 Alumni 20201000917112
25	IR2023-871896	31-07-2023	Analysis of MIDI Data to determine chords and its visualization TRL Title - TRL 1	2022-23	Academic Research Assignment/Industry Sponsored Project	Aniket Rawat astroaniket1@gmail.com 6397377811 Student rawata@rknec.edu
26	IR2023-871878	31-07-2023	Employing biomedical signals as a means of biometric identification TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Henay Lakhwani henaylakhwani@gmail.com 7020138368 Alumni lakhwanihp@rknec.edu
27	IR2023-871867	31-07-2023	A Comprehensive Microservice Approach to Cross-Platform	2022-23	Independent Assignment/Non-academic Study Project	Abhiraj Niranjankumar Sinha sinhaan@rknec.edu 9096415621

			Inventory Management Systems TRL Title - TRL 3			Student 11
28	IR2023-871833	30-07-2023	IMAGE SEMANTIC SEGMENTATION: SCENE AWARE SYSTEM FOR AUTONOMOUS VEHICLE TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Neha Tomar tomarns@rknec.edu 7420843211 Alumni 20201000917056
29	IR2023-871742	27-07-2023	Field Programmable Gate Array based systems' security TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Tejashree Narayan Agasti tejashreeagasti@gmail.com 9370140516 Alumni 20201000917089
30	IR2023-871502	21-07-2023	Network Security and connectivity Tool TRL Title - TRL 2	2022-23	Academic Requirement/Study Project	Sandesh Sachdev sachdevst@rknec.edu 9921939226 Student 20201000917524
31	IR2023-862618	29-04-2023	Convertible Recreational Retrofit Vehicle TRL Title - TRL 3	2021-22	Academic Requirement/Study Project	ASHWIN DUBE ashwin.nit18@gmail.com 7620087268 Student 20221000900184
32	IR2023-862341	29-04-2023	COMPACT KICK SCOOTER TRL Title - TRL 3	2021-22	Academic Research Assignment/Industry Sponsored Project	Vedant Pulliwar pulliwarva@rknec.edu 9021250985 Student

						21MEU1060MEU 1
33	IR2023-861678	27-04-2023	Path Planning of Robotic Arc Welding TRL Title - TRL 1	2022-23	Academic Requirement/Study Project	Aditya Choudhary chaudharyam@rk nec.edu 8600220939 Student 20211000917196
34	IR2023-860857	25-04-2023	Wire Coiling and Tagging Machine TRL Title - TRL 2	2021-22	Academic Requirement/Study Project	Aniket Ghagare ghagareap@gmail.com 7888117026 Student 20201000918525
35	IR2023-860630	24-04-2023	Design & Analysis of Cooling Arrangement for Solar Photovoltaic Module TRL Title - TRL 2	2022-23	Academic Requirement/Study Project	MAYANK KUMAR mayankkuma00@gmail.com 9284350768 Student 20221000900186
36	IR2023-860627	24-04-2023	Eco Friendly Spacer TRL Title - TRL 1	2022-23	Independent Assignment/Non-academic Study Project	Adarsh Mishra mishraaa_2@rk nec.edu 8624918814 Student 20211000916987
37	IR2023-860417	24-04-2023	Automated Dual Runner System TRL Title - TRL 2	2022-23	Academic Requirement/Study Project	Prathamesh Vinod Wandile wandilepv@rk nec.edu 9579395367 Student 20211000917021
38	IR2023-860176	23-04-2023	Optimized Steering Knuckle Design	2022-23	Academic Research Assignment/Industry	RITIKA RANJAN ritikaranjan1710@gmail.com 9404886229

			using Generative Design Approach TRL Title - TRL 3		Sponsored Project	Student 20201000918514
39	IR2023-860142	23-04-2023	DESIGN OF INTELLIGENT BRAKING SYSTEM TO REDUCE REACTION TIME TRL Title - TRL 1	2022-23	Academic Requirement/Study Project	ANISH CHANDRASHEKHAR MOTGHARE anishmotghare@gmail.com 7420835503 Student 20201000918526
40	IR2023-860094	22-04-2023	MODIFICATION OF DESERT COOLER WITH HEAT EXCHANGER TRL Title - TRL 1	2022-23	Academic Requirement/Study Project	SHRIKANT KAITHWAS kaithwasst@rknetc.edu 8080085691 Student 55
41	IR2023-859981	21-04-2023	Mechanism for Cervical Physiotherapy TRL Title - TRL 2	2022-23	Academic Requirement/Study Project	Aniket Ghagare ghagareap@gmail.com 7888117026 Student 20201000918525
42	IR2023-859095	18-04-2023	Identification of species of medicinal leaves TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Akshat Pande pandear_4@rknetc.edu 8856089602 Student 20211000916934
43	IR2023-858733	16-04-2023	saliency detection using wavelet fusion TRL Title - TRL 2	2022-23	Academic Requirement/Study Project	Grishma Acharya acharyagr@rknetc.edu 9307583854 Student 20201000917281

44	IR2023-858364	15-04-2023	Growing agro - A agriculture promoting app to help farmers. TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	ABHISHEK MANGULKAR mangulkaras@rknec.edu 8766925760 Student 20211000916931
45	IR2023-858286	15-04-2023	Dynamic Audience Reaction Prediction Application (DARPAN) TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Soham Mundhada soham.mundhada@gmail.com 8668322731 Student 20201000917538
46	IR2023-858257	15-04-2023	Industrial fuse puller TRL Title - TRL 2	2022-23	Academic Requirement/Study Project	Neeraj Dwivedi dwivedin1211@gmail.com 7709803366 Student 20201000918550
47	IR2023-857938	14-04-2023	Study of Vegetation Cover using Normalized Differential Vegetation Index TRL Title - TRL 2	2022-23	Academic Requirement/Study Project	Vaishnav Deepak Kothari kotharivd@rknec.edu 9422804900 Student 20201000917671
48	IR2023-855937	12-04-2023	Human Choice Predictor Using Machine Learning For Amazon Go Shopping TRL Title - TRL 2	2022-23	Academic Requirement/Study Project	Khushi Jaiprakash Khatri khatrkhushi181@gmail.com 9067071396 Student 20211000917153
49	IR2023-855417	11-04-2023	Carbon Emission Prediction and	2022-23	Academic Requirement/Study Project	Vaidehi Choudhari choudharivd@rknec.edu

			Visualization. TRL Title - TRL 3			7767877936 Student
50	IR2023-855415	11-04-2023	Lost + Found: The Lost Angel Investigator TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Bhavesh Kewalramani kewalramanibb@rknec.edu 7498930475 Student 20201000917474
51	IR2023-855341	11-04-2023	Fish species detection and identification TRL Title - TRL 3	2022-23	Academic Research Assignment/Industry Sponsored Project	Abhiyant gwalani gwalanian@rknec.edu 8208339346 Student
52	IR2023-855342	11-04-2023	Fish species detection and identification TRL Title - TRL 3	2022-23	Academic Research Assignment/Industry Sponsored Project	Abhiyant gwalani gwalanian@rknec.edu 8208339346 Student
53	IR2023-854698	11-04-2023	Chatbot as an Educational Query Engine TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Navya Verma vermanm@rknec.edu 9823049376 Student
54	IR2023-854355	10-04-2023	Mobile App to detect Counterfeit Currency TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	pranay jain jainpa_2@rknec.edu 7387066313 Student 20211000916962
55	IR2023-853914	09-04-2023	Sign Board Translator App TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Rutuj Surendra Runwal runwalrs@rknec.edu 7972080884 Student

						20201000917523
56	IR2023-853895	09-04-2023	Renal crystal analysis using metaheuristic algorithm TRL Title - TRL 1	2022-23	Academic Requirement/Study Project	Swayam Agrawal agrawalsr_13@rknec.edu 8888194850 Student 20211000916976
57	IR2023-853762	08-04-2023	Energy Aware Job Scheduling and Simulation in a Cloud Datacenter TRL Title - TRL 1	2022-23	Academic Requirement/Study Project	Tejas Satyanarayan Bhutada bhutadats@rknec.edu 6376384122 Student 20201000918503
58	IR2023-853573	07-04-2023	A Textual Question Answering and Handwritten Answer Evaluation System for Hindi Language TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Rachita Bharambe bharamberm@rknec.edu 9284372996 Student 20201000917442
59	IR2023-853570	07-04-2023	Fault Detection in manufacturing machines TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Shubham Joshi joshisd@rknec.edu 7350391688 Student 20201000917536
60	IR2023-853554	07-04-2023	Dynamic Microservice based Scalable Approach to List Product Deals	2022-23	Academic Requirement/Study Project	Radha Sachin Malichkar malichkarrs@rknec.edu 7666686798 Student 20201000917443

			TRL Title - TRL 3			
61	IR2023-853545	07-04-2023	Resume Screening and Parsing through Natural Language Processing (NLP) TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Pravesh Mukesh Dholwani dholwanipm@rkneec.edu 8180892741 Student 20211000917138
62	IR2023-837988	06-04-2023	Real Time Drowsiness Detection System for Student Tracking using Machine Learning TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Himani Manoj Dighorikar dighorikarhm@rkneec.edu 9423412051 Student
63	IR2023-837962	06-04-2023	A Recommendation System for Food Tourism TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Ritesh Yadav yadavrj@rkneec.edu 7972907036 Student 20211000916970
64	IR2023-837749	06-04-2023	Job Recommendation System TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Gourav Rushiya rushiyagr@rkneec.edu 7067987136 Student 20211000916944
65	IR2023-837711	05-04-2023	Tour Planner TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Pratik Pimpalkar pimpalkarps@rkneec.edu 7028491887 Student 20211000916965

66	IR2023-837661	05-04-2023	Hydroponics System TRL Title - TRL 2	2022-23	Academic Requirement/Study Project	Dhruv Singhaniya singhaniyadp@rk nec.edu 7058899855 Student 20201000917332
67	IR2023-837564	05-04-2023	City Ranking System TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Rishi Ojha ojharl@rk nec.edu 9764061088 Student 20211000916969
68	IR2023-837553	05-04-2023	Testing resilience of EC2, RDS, Availability Zone using Chaos Engineering by injecting faults and Auto-correcting them using corrective action TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Rajat Kale kalers_1@rk nec.edu 9325652762 Student 20211000916967
69	IR2023-837552	05-04-2023	Automated exam paper Checking using semantic analysis TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Chinmayee Sonboir sonboirci@rk nec.edu 8767461464 Student 20211000916922
70	IR2023-837547	05-04-2023	Human Action Detection and Recognition Using Image Processing TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Abhinashkumar Mehta mehtaas_1@rk nec.edu 8381018512 Student 20211000916929

71	IR2023-837543	05-04-2023	Machine Translation for Low Resource Indian Languages TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Anuj Prashant Dharme dharmeap_1@rk nec.edu 8450967265 Student 20211000916938
72	IR2023-837542	05-04-2023	Building a Cloud native and future proof serverless data lake in AWS Cloud platform to perform data catalog management. TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Niraj Deshpande deshpandenb@rk nec.edu 9322847539 Student 20211000916957
73	IR2023-837540	05-04-2023	AI based Chatbot on Fashion Recommendation TRL Title - TRL 2	2022-23	Academic Requirement/Study Project	SEJAL PATIL patilsa_2@rk nec.edu 8767404854 Student 20211000916926
74	IR2023-837538	05-04-2023	Classification of Plants for Diagnosis of Human diseases TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Srushti Kamdi kamdiss_1@rk nec.edu 9322366797 Student 20211000916927
75	IR2023-837535	05-04-2023	Automated Identification of Fish Species(AutoFis) TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Prajwal Bante bantepr@rk nec.edu 7020263642 Student 20211000916960
76	IR2023-837534	05-04-2023	IoT Based Smart Aquarium	2022-23	Academic Requirement/Study Project	Rajat Bijekar bijekarr@rk nec.edu

			System for Remote Monitoring and Automated Controlling of Functions TRL Title - TRL 3			9309776431 Student 20211000916966
77	IR2023-837533	05-04-2023	Remotely Managed IoT Based Smart Irrigation System TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Nirja Jaurkar jaurkarnd@rknec.edu 8390302417 Student 20211000916924
78	IR2023-837532	05-04-2023	Cost and Usage governance in AWS Cloud platform TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Megha Shivhare shivharem@rknec.edu 9373774936 Student 20221000900179
79	IR2023-837531	05-04-2023	Design and development of Knowledge Graph TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Pratham Gangwal gangwalpk@rknec.edu 9284104061 Student 20211000916964
80	IR2023-837528	05-04-2023	Sentiment analysis on twitter dataset TRL Title - TRL 3	2022-23	Academic Requirement/Study Project	Sushmita Mahapatra mahapatras@rknec.edu 9561979986 Student 20211000916975
81	IR2023-837527	05-04-2023	Traffic density Analyzer and Management	2022-23	Academic Requirement/Study Project	Abhishek Badar badarap@rknec.edu 9096684842 Entrepreneur

			TRL Title - TRL 3			2021100091693 0
82	IR2023- 837526	05-04- 2023	NFT MarketPlace ApnaBazaar TRL Title - TRL 3	2022-23	Academic Requirement/St udy Project	Harsh Singh singhhr@rknec.e du 8626028599 Student 2022100090018 1
83	IR2023- 837043	03-04- 2023	Remotely Accessed Smart CCTV System Using Machine Learning TRL Title - TRL 3	2022-23	Academic Requirement/St udy Project	Apurva Nandkishor Thote thotean@rknec.e du 9834420372 Student 2020100917277
84	IR2023- 837016	03-04- 2023	Sign to Speech Conversion for specially- abled people TRL Title - TRL 4	2022-23	Academic Requirement/St udy Project	Sadnyani Vijay Gomkar gomkarsv@rknec .edu 7028768283 Student 2020100091729 7
85	IR2022- 809417	30-09- 2022	Comparative Analysis of Power Loss using Different Modulation Techniques in Modular Multilevel Converter TRL Title - TRL 2	2019-20	Academic Research Assignment/In dustry Sponsored Project	Preeti Kapoor kapoorpv@rknec. edu 9823886479 Faculty
86	IR2022- 808268	30-09- 2022	Automatic License Number Plate Recognition TRL Title - TRL 2	2021-22	Academic Requirement/St udy Project	Chetana Thaokar thaokarcb@rknec .edu 9730698941 Faculty IT004

87	IR2022-807628	29-09-2022	A COMMUNICATION SYSTEM FOR VISUALLY IMPAIRED PEOPLE TRL Title - TRL 2	2019-20	Academic Requirement/Study Project	madhuri.madhuri.tayal@gmail.com 8956113651 Faculty it007
88	IR2022-791997	19-09-2022	Forecasting Yield and Prices of Rice for Farmers in India TRL Title - TRL 2	2021-22	Academic Requirement/Study Project	Aarti Karandikar aartikarandikar@gmail.com 9766008513 Faculty CS004
89	IR2022-771626	21-08-2022	Static PEMFC Model Simulation to Demonstrate the Working with Converter TRL Title - TRL 2	2021-22	Academic Requirement/Study Project	Shraddha Meshram meshramsk@rknetec.edu 8830694697 Alumni
90	IR2022-771555	21-08-2022	CMOS-NAND Based Gate Driver Card of IGBT for Fault Diagnosis in VSI TRL Title - TRL 2	2020-21	Academic Requirement/Study Project	gunwanti shende shendegunwanti21@gmail.com 9168026014 Alumni
91	IR2022-771553	21-08-2022	Modelling and Speed Control of Permanent Magnet Brushless DC Motor using PID	2019-20	Academic Requirement/Study Project	gunwanti shende shendegunwanti21@gmail.com 9168026014 Alumni

			TRL Title - TRL 2			
92	IR2022-771539	21-08-2022	Reactive Power Compensation of the Grid Connected PV System TRL Title - TRL 2	2019-20	Academic Research Assignment/Industry Sponsored Project	Pratik Shyam Manusmare psmanusmare@gmail.com 8857837863 Alumni
93	IR2022-768882	13-08-2022	Continuous Automatic Variable Transmission (CAVT) for Bicycle TRL Title - TRL 2	2021-22	Academic Requirement/Study Project	Ram Laxmikant Bhute bhuterl@rknec.edu 9730512981 Student
94	IR2022-768709	12-08-2022	Water Wastage Control & Monitoring System for Railway Coaches using IoT. TRL Title - TRL 2	2021-22	Academic Requirement/Study Project	Anish Garg anishgarg877@gmail.com 9799123337 Student
95	IR2022-768654	12-08-2022	Wind Mill Fall Arrester TRL Title - TRL 2	2021-22	Academic Research Assignment/Industry Sponsored Project	Ojas Maywade ojasmaywade16@gmail.com 8275777866 Alumni
96	IR2022-767405	07-08-2022	Swarm Robots for Construction TRL Title - TRL 2	2021-22	Academic Requirement/Study Project	Uwais Ahmed uwaisahmed41@gmail.com 7030863543 Alumni
97	IR2022-767016	05-08-2022	Design of Bamboo Splitter Using	2021-22	Academic Research Assignment/Industry	Upasana Ambhorkar upasana0811@gmail.com

			Ergonomic Intervention TRL Title - TRL 2		Sponsored Project	9673050049 Student
98	IR2022-765691	26-07-2022	Portable Fingerprint Sensor based "Classroom Attendance Logger" for Teachers/Administrators to ease the process of marking attendance of the Students TRL Title - TRL 2	2021-22	Independent Assignment/Non-academic Study Project	Sumit Dandekar sumit809.sd@gmail.com 9970000104 Alumni
99	IR2022-765352	23-07-2022	StudieBuddy TRL Title - TRL 2	2021-22	Independent Assignment/Non-academic Study Project	Vinay Arun Dhawad vinaydhawad17@gmail.com 9172194317 Student
100	IR2022-764993	30-11--0001	CineVibes TRL Title - TRL 1	2019-20	Independent Assignment/Non-academic Study Project	Mandar Mohite mandarymohite@gmail.com 9518731969 Alumni
101	IR2022-769279	30-11--0001	Wireless Boardless Drawing Tablet TRL Title - TRL 1	2021-22	Independent Assignment/Non-academic Study Project	Rohit Patil patilrp@rknec.edu 9156777887 Student
102	IR2022-767918	30-11--0001	Challenges in maturity of OEE Software in MSMEs of Central India TRL Title - TRL 3	2021-22	Academic Requirement/Study Project	KARTIK kartikfadnavis100@gmail.com 9462424090 Student

103	IR2022-767030	30-11--0001	Approximation analysis of metaheuristic approach CRAFT and mCRAFT in plant layout optimization TRL Title - TRL 3	2021-22	Academic Requirement/Study Project	Mitali Jagdish Agrawal mitaliagrawal9168@gmail.com 7264048049 Alumni
104	IR2022-767370	30-11--0001	Productivity improvement of supermarket by reducing customer waiting time TRL Title - TRL 1	2021-22	Academic Requirement/Study Project	Mitali Jagdish Agrawal mitaliagrawal9168@gmail.com 7264048049 Alumni
105	IR2022-767371	30-11--0001	To ergonomically design examination answer book for enhancing the efficiency of evaluation process TRL Title - TRL 1	2021-22	Academic Requirement/Study Project	Mitali Jagdish Agrawal mitaliagrawal9168@gmail.com 7264048049 Alumni
106	IR2022-809018	30-11--0001	A SYSTEM FOR AUTOMATION OF DEVICES UTILIZING BRAIN COMPUTER INTERFACE TRL Title - TRL 3	2019-20	Independent Assignment/Non-academic Study Project	Rakesh K Kadu kadurk@rknec.edu 9881741801 Faculty ITT006
107	IR2022-767090	30-11--0001	Smart Vacubin with	2021-22	Academic Requirement/Study Project	Ananya Timande timandea_1@rknec.edu

			Contactless Waste Collection TRL Title - TRL 3			9960752350 Alumni
108	IR2022-767363	30-11--0001	Covid-19 norms checker for face mask detection and social distancing violation detection TRL Title - TRL 3	2021-22	Academic Research Assignment/Industry Sponsored Project	Shivani Agrawal agrawalsa_1@rknec.edu 9096866453 Alumni
109	IR2022-767493	30-11--0001	Digitized IV Infusion Bottle Monitoring and Alerting System TRL Title - TRL 3	2021-22	Academic Requirement/Student Project	Vedanti Ravish Deshmukh vedantideshmukh30@gmail.com 7397856088 Alumni
110	IR2022-806893	30-11--0001	Prediction of Sugar and Carbohydrates in Sapota using Hyperspectral Image Segmentation TRL Title - TRL 1	2021-22	Academic Requirement/Student Project	Nitesh Dani daninp@rknec.edu 8080009832 Student
111	IR2022-767527	30-11--0001	Power Generator with Health Monitoring IOT Framework TRL Title - TRL 3	2021-22	Academic Requirement/Student Project	Mandar Mukund Pimparkar mandarmpimparkar@gmail.com 9112394508 Alumni
112	IR2022-768035	30-11--0001	Development of Triboelectric Blue Energy	2019-20	Academic Requirement/Student Project	Pranjali chakole pranjlichakole@gmail.com 8149610400

			Harvester TRL Title - TRL 3			Alumni
113	IR2022-767893	30-11--0001	Contactless Voting Machine for Covid Patients TRL Title - TRL 1	2021-22	Academic Requirement/Student Project	Atharv Parker atharv.parker@gmail.com 8793587185 Student
114	IR2022-767920	30-11--0001	Early Disease Detection using Android Application based on Nailâ€™s Image TRL Title - TRL 3	2020-21	Academic Research Assignment/Industry Sponsored Project	Pranav Sanjay Wazarkar wazarkar3108@gmail.com 9370490116 Alumni
115	IR2022-767797	30-11--0001	Influencer Marketing Counsel Module Development TRL Title - TRL 1	2020-21	Academic Research Assignment/Industry Sponsored Project	Sudarshan Sunil Ahir ahirsudarshan794@gmail.com 9422126766 Student
116	IR2022-767977	30-11--0001	Multi tool Universal CNC machine TRL Title - TRL 1	2021-22	Independent Assignment/Non-academic Study Project	Nagesh Udasi nageshudasi123@gmail.com 7774009869 Student
117	IR2022-768186	30-11--0001	Establishment of modified Minimum Quantity Lubrication (MQL) system for machinability improvement	2021-22	Academic Research Assignment/Industry Sponsored Project	Yogesh V Deshpande deshpandeyv@rknet.c.edu 9096192751 Faculty

			TRL Title - TRL 3			
118	IR2022-768193	30-11--0001	IoT Based Conveyor Belt System For Remote Monitoring TRL Title - TRL 3	2021-22	Academic Research Assignment/Industry Sponsored Project	RAKSHAL AGRAWAL rakshalagrawal@gmail.com 9960876158 Faculty
119	IR2022-768258	30-11--0001	Fabrication Of Extended Voltage Symmetric Supercapacitor Device And Method For Fabricating Same TRL Title - TRL 3	2019-20	Academic Requirement/Study Project	Mrunali D Wagh mrunaliwagh66@gmail.com 7038046596 Alumni
120	IR2022-768605	30-11--0001	Development of Bamboo-Epoxy Matrix TRL Title - TRL 3	2021-22	Academic Research Assignment/Industry Sponsored Project	Bhavesh Verma vermabp@rknec.edu 9021491829 Alumni
121	IR2022-768922	30-11--0001	Plant layout optimization using meta-heuristic approach CRAFT and mCRAFT TRL Title - TRL 3	2021-22	Academic Research Assignment/Industry Sponsored Project	Ayush Agrawal ayush123ngp@gmail.com 8793537156 Alumni
122	IR2022-770029	30-11--0001	Slope Stability Analysis by GeoSlope TRL Title - TRL 1	2019-20	Academic Requirement/Study Project	Prasad Prakashrao Dahale dahalepp@rknec.edu 9975497487 Faculty

123	IR2022-770151	30-11--0001	Effect of suction on shear strength of unsaturated soil. TRL Title - TRL 1	2019-20	Academic Requirement/Study Project	Aashish A Mehta mehtaana@rknec.edu 9623212557 Faculty
124	IR2022-771324	30-11--0001	Interface Design and Performance Analysis of Proton Exchange Membrane Fuel Cell using Python TRL Title - TRL 3	2021-22	Academic Research Assignment/Industry Sponsored Project	Siddhi Chauhan chauhansa@rknec.edu 8788655758 Student
125	IR2022-771579	30-11--0001	E-learning Platform application TRL Title - TRL 3	2021-22	Academic Requirement/Study Project	Navya Verma vermanm@rknec.edu 9823049376 Student
126	IR2022-771545	30-11--0001	Predictive Text Generation using Deep Learning Approaches TRL Title - TRL 3	2021-22	Academic Requirement/Study Project	Himani Manoj Dighorikar dighorikarhm@rknec.edu 9423412051 Student
127	IR2022-771538	30-11--0001	An Approach to Paperless Administration of Offices in India using Blockchain TRL Title - TRL 3	2021-22	Independent Assignment/Non-academic Study Project	Atharva Paramsukh Paliwal app.paliwal@gmail.com 7020396354 Student
128	IR2022-771750	30-11--0001	IOT based Smart Crate Weighing	2020-21	Academic Requirement/Study Project	Pravinkumar Mahadeorao Sonsare

			Machine for Agriculture System TRL Title - TRL 3			sonsarep@rknec.edu 9422731370 Faculty
129	IR2022-771728	30-11--0001	Gesture based I/O system TRL Title - TRL 3	2021-22	Academic Requirement/Study Project	Aryan Gupta itsmyid57@gmail.com 9096484057 Student
130	IR2022-771580	30-11--0001	Survey And Analysis Of Different Transformer Models For Abstractive Text Summarization TRL Title - TRL 3	2021-22	Academic Requirement/Study Project	Shubham Saboo sabooshubham2000@gmail.com 9405320787 Alumni
131	IR2022-790846	30-11--0001	Mental Health Portal TRL Title - TRL 3	2021-22	Academic Research Assignment/Industry Sponsored Project	Jereen Valsson jereenv2@gmail.com 9423110133 Student
132	IR2022-792570	30-11--0001	REMOTE METER READING AND BILLING TRL Title - TRL 3	2019-20	Academic Research Assignment/Industry Sponsored Project	rashmi welekar rashmi.welekar@gmail.com 9850396030 Faculty
133	IR2022-792579	30-11--0001	Remote Bike Access System TRL Title - TRL 3	2020-21	Academic Requirement/Study Project	rashmi welekar rashmi.welekar@gmail.com 9850396030 Faculty
134	IR2022-806912	30-11--0001	Gender Recognition By Voice TRL Title - TRL 3	2021-22	Academic Requirement/Study Project	Vaidehi Choudhari choudharivd@rknec.edu 7767877936 Student

135	IR2022-806859	30-11--0001	License Plate Detection using YOLO v4 TRL Title - TRL 3	2021-22	Academic Requirement/Study Project	Rishabh Rathi Rishabhrathi000@gmail.com 9960053097 Alumni
136	IR2022-790669	30-11--0001	Smart City Waste Management System through ICT and IOT driven Solution TRL Title - TRL 1	2021-22	Academic Requirement/Study Project	Neeraj Dwivedi dwivedinr@rknec.edu 7741945024 Student
137	IR2022-792809	30-11--0001	THE WATCH-KEEPER : A SECURITY SYSTEM TO PREVENT GAS EXPLOSIONS TRL Title - TRL 3	2019-20	Academic Research Assignment/Industry Sponsored Project	Aarti Karandikar aartikarandikar@gmail.com 9766008513 Faculty CS004
138	IR2022-806715	30-11--0001	CHABOT BASED CRIME REGISTRATION & CRIME AWARENESS SYSTEM TRL Title - TRL 1	2020-21	Academic Requirement/Study Project	Ashish Chandak chandakav@rknec.edu 8237851429 Faculty AD13010
139	IR2022-806885	30-11--0001	DESIGN AND TOPOLOGY OPTIMIZATION OF STEERING UPRIGHT TRL Title - TRL 3	2021-22	Academic Requirement/Study Project	ALOK KUMAR JHA jhaak1@rknec.edu 7987443783 Faculty jhaak1

140	IR2022-806970	30-11--0001	A System for Assisting a Visually Impaired person TRL Title - TRL 3	2021-22	Academic Requirement/Study Project	Shailendra Someshwar Aote shailendra.aote@gmail.com 9890510477 Faculty aotess1
141	IR2022-812868	30-11--0001	A Security System for Detecting Trespassers TRL Title - TRL 3	2020-21	Academic Requirement/Study Project	Devishree Naidu devishree.naidu@gmail.com 9422487120 Faculty CS009

Prototypes

Sr. No.	Innovation ID	Date of Submission	Innovation Title	FY of Development	Developed as part of	Team Lead Details
1	IR2023 - 874840	25-08-2023	EXPLORER Ball Robot TRL Title - TRL 4	2022-23	Academic Requirement/Study Project	Arpit R. Paunikar paunikarar1@rk nec.edu
2	IR2023 - 874252	24-08-2023	PerkVenue - Blockchain based Reward Point System TRL Title - TRL 5	2022-23	Academic Requirement/Study Project	Harsh Sandesh Gupta guptahs_1@rk nec.edu
3	IR2023 - 874026	22-08-2023	Arduino based obstacle avoiding robot car TRL Title - TRL 4	2022-23	Academic Requirement/Study Project	burhanuddin saify saifybs@rk nec.edu
4	IR2023 - 874001	22-08-2023	RC Hand Brake system TRL Title - TRL 4	2022-23	Academic Requirement/Study Project	Vineet Shah shahvv@rk nec.edu
5	IR2023 -	21-08-2023	Fire Fighting Robot	2022-23	Academic Requirement/Study Project	Arin Tiwari tiwaria2@rk nec.edu

	87395 2		TRL Title - TRL 4			
6	IR2023 - 87393 4	21-08- 2023	AUTOMATIC IRON MECHANISM TRL Title - TRL 4	2022-23	Academic Requirement/Study Project	DARSHAN I BONDRE ,PRIYANSHU R AGRAWAL ,YASH S TRIPATHI agrawalpr_3 @rknec.edu
7	IR2023 - 87393 3	21-08- 2023	AUTOMATIC IRON MECHANISM TRL Title - TRL 4	2022-23	Academic Requirement/Study Project	DARSHAN I BONDRE ,PRIYANSHU R AGRAWAL ,YASH S TRIPATHI agrawalpr_3 @rknec.edu
8	IR2023 - 87393 2	21-08- 2023	AUTOMATIC IRON MECHANISM TRL Title - TRL 4	2022-23	Academic Requirement/Study Project	DARSHAN I BONDRE ,PRIYANSHU R AGRAWAL ,YASH S TRIPATHI agrawalpr_3 @rknec.edu
9	IR2023 - 87393 1	21-08- 2023	AUTOMATIC IRON MECHANISM TRL Title - TRL 4	2022-23	Academic Requirement/Study Project	DARSHAN I BONDRE ,PRIYANSHU R AGRAWAL ,YASH S TRIPATHI agrawalpr_3 @rknec.edu
10	IR2023 - 87393 0	21-08- 2023	AUTOMATIC IRON MECHANISM TRL Title - TRL 4	2022-23	Academic Requirement/Study Project	DARSHAN I BONDRE ,PRIYANSHU R AGRAWAL ,YASH S TRIPATHI agrawalpr_3 @rknec.edu

11	IR2023 - 87389 3	21-08- 2023	universal hose pipe connector TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Kartikeyan Venkatesh venkateshk@ rknec.edu 9860979321
12	IR2023 - 87298 3	12-08- 2023	Power and Area Aware Digital Fingerprint Generator based on Bump Physically Unclonable Function TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Rutuparna Manish Patkar rutuparnap4 2@gmail.com
13	IR2023 - 87246 1	07-08- 2023	ATTENDANCE MANAGEMENT SYSTEM USING FACE DETECTION AND RECOGNITION TRL Title - TRL 6	2021-22	Academic Requirement/Stud y Project	Akhilesh Mishra aakhileshmis hra2001@gm ail.com
14	IR2023 - 87218 8	05-08- 2023	ON TREE MANGO FRUIT DETECTION and COUNTING SYSTEM TRL Title - TRL 4	2021-22	Academic Requirement/Stud y Project	Romil Mahajan mahajanrp@ rknec.edu
15	IR2023 - 87212 4	04-08- 2023	American Sign Language Recognition & Translation using Deep Learning frameworks TRL Title - TRL 6	2022-23	Academic Requirement/Stud y Project	Ketaki Tank tankkp@rkne c.edu

16	IR2023 - 87197 3	01-08- 2023	To develop a facial authentication system that is able to recognize multiple individuals in the same image. TRL Title - TRL 4	2022-23	Academic Requirement/Study Project	Ayush Umesh Jain jainau@rkne c.edu
17	IR2023 - 87192 9	31-07- 2023	Dynamic Attendance Management System TRL Title - TRL 4	2021-22	Academic Requirement/Study Project	Purva Pramod Bawankar bawankarpp_1@rkne c.edu
18	IR2023 - 87189 8	31-07- 2023	Early Detection of Glaucoma using CNN Architecture TRL Title - TRL 4	2022-23	Academic Research Assignment/Industry Sponsored Project	Ayush Balpande ayushbalpan de02@gmail. com
19	IR2023 - 87184 5	30-07- 2023	Smart Agriculture using IoT TRL Title - TRL 6	2022-23	Academic Requirement/Study Project	Amey R Thakare ameythakare 03@gmail.co m
20	IR2023 - 87183 0	29-07- 2023	A Swallowable Medical Device TRL Title - TRL 4	2022-23	Academic Requirement/Study Project	Krish Tomar tomarks@rkn ec.edu
21	IR2023 - 87175 7	27-07- 2023	A SYSTEM FOR DETECTION OF MOISTURE CONTENT IN SANITARY PAD TRL Title - TRL 5	2022-23	Academic Requirement/Study Project	Roshan Ashok Patar patarra@rkn ec.edu
22	IR2023 - 87175 3	27-07- 2023	COMMUNICATION BETWEEN ENERGY METERS AND PLC BASED ON MODBUS PROTOCOL	2022-23	Academic Research Assignment/Industry Sponsored Project	SIDDHESH RAVINDRA NANDANWAR siddheshnan danwar123@ gmail.com

			TRL Title - TRL 4			
23	IR2023 - 87175 1	27-07- 2023	Shoulder Rehabilitation Using Virtual Physiotherapy System TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Siddhesh Gupta guptas_2@rk nec.edu
24	IR2023 - 87165 7	25-07- 2023	Effective UV-C (Ultraviolet) Air Flow Disinfection System for Burn Patients outside Intensive Care Unit TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Manthan Diliprao Ingale ingalemd@rk nec.edu
25	IR2023 - 87154 1	22-07- 2023	Solar operated pesticide sprayer machine using IOT technology TRL Title - TRL 6	2022-23	Academic Requirement/Stud y Project	Shrijal Rai raishrijal@g mail.com
26	IR2023 - 86245 7	29-04- 2023	Design And Development of Solar Dryer For Floral waste disposal TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Harsh Tiwari tiwarihv_1@r knec.edu
27	IR2023 - 86111 4	25-04- 2023	Laser Dimension Measurement System (LDMS) for Fused Deposition Modeling (FDM) 3D printer TRL Title - TRL 4	2022-23	Academic Research Assignment/Indus try Sponsored Project	Saurabh Khanna khannass@r knec.edu
28	IR2023 - 86099 9	25-04- 2023	Energy harvesting device for 2 wheeler suspension	2022-23	Academic Requirement/Stud y Project	Hrushikesh Pawar hkpawar04@ gmail.com

			TRL Title - TRL 4			
29	IR2023 - 86017 4	23-04- 2023	Multi-Purpose Remote-Operated Container for solar parabolic dish collector with attached receiver TRL Title - TRL 4	2022-23	Academic Research Assignment/Indus try Sponsored Project	Shrey Chachra chachrasb@r knec.edu
30	IR2023 - 86017 3	23-04- 2023	Disease Detection In Tomato Plant TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Mayank Jitendra Tiwari tiwarimj@rkn ec.edu
31	IR2023 - 86012 9	23-04- 2023	An Evacuated tube based concentrating solar cooking system TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	ADVAIT N. KHADGI khadgian@rk nec.edu
32	IR2023 - 85932 0	19-04- 2023	Detection of Pneumonia and COVID-19 using Deep Learning TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	PRASHANT KUMAR kumarp_3@r knec.edu
33	IR2023 - 85860 0	15-04- 2023	Vehicle Detection For Accident Prevention TRL Title - TRL 6	2022-23	Academic Requirement/Stud y Project	Anwasha Singh singha_5@rk nec.edu
34	IR2023 - 85859 9	15-04- 2023	Vehicle Detection For Accident Prevention TRL Title - TRL 6	2022-23	Academic Requirement/Stud y Project	Anwasha Singh singha_5@rk nec.edu
35	IR2023 - 85859 8	15-04- 2023	Vehicle Detection For Accident Prevention	2022-23	Academic Requirement/Stud y Project	Anwasha Singh singha_5@rk nec.edu

			TRL Title - TRL 6			
36	IR2023 - 85859 7	15-04- 2023	Vehicle Detection For Accident Prevention TRL Title - TRL 6	2022-23	Academic Requirement/Stud y Project	Anwasha Singh singha_5@rk nec.edu
37	IR2023 - 85842 3	15-04- 2023	Real-Time Pothole and Patches Detection using Computer Vision. TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	NABEEL KHAN khann@rkne c.edu
38	IR2023 - 85481 2	11-04- 2023	Network Security Tools for Rapid Inspection TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Sandesh Sachdev sachdevst@r knec.edu
39	IR2023 - 85458 2	10-04- 2023	Pest- robo TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Yash Chotwani chotwaniyp@ rknec.edu
40	IR2023 - 85452 3	10-04- 2023	FLYING OBJECT DETECTION AND RECOGNITION TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Aniket Pardhi pardhiar_1@ rknec.edu
41	IR2023 - 85450 5	10-04- 2023	Virtual Dressing Room TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Rohan Raggad raggadrr@rk nec.edu
42	IR2023 - 85450 6	10-04- 2023	Virtual Dressing Room TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Rohan Raggad raggadrr@rk nec.edu

43	IR2023 - 85421 8	10-04- 2023	Automation Scripts for Portfolio Management TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Anshul Sharma sharmaar_4 @rknec.edu
44	IR2023 - 85396 0	09-04- 2023	MACHINE LEARNING BASED OPTIMUM YIELD FORECASTING: SMART FARMING IN INDIA TRL Title - TRL 4	2022-23	Academic Research Assignment/Indus try Sponsored Project	Shashank Surendra Singh Bisht bishtss_1@rk nec.edu
45	IR2023 - 85388 8	09-04- 2023	Meeting Made Easy TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Arjun Thakur thakurap_1@ rknec.edu
46	IR2023 - 85381 5	08-04- 2023	SAGE - The Multipurpose Voice Assistant TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Ishita Mendhekar ipmendhekar @gmail.com
47	IR2023 - 85374 3	08-04- 2023	Collaborative Live Code Editor with Audio Conferencing TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Malhar Deshkar malhar19des hkar@gmail. com
48	IR2023 - 85374 0	08-04- 2023	ManiacNFT TRL Title - TRL 4	2021-22	Academic Requirement/Stud y Project	Ajinkya Wadekar wadekarar_1 @rknec.edu
49	IR2023 - 85355 0	07-04- 2023	"Prediction of assembly line stoppages at Mahindra Tractor Plant Nagpur" TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Priyanshu Sawarkar priyanshu.sa warkar@gma il.com

50	IR2023 - 85354 3	07-04- 2023	Detection of Diseases in Tomato Plant TRL Title - TRL 4	2021-22	Academic Requirement/Stud y Project	Anshul Sharma sharmaar_4 @rk nec.edu
51	IR2023 - 85353 5	07-04- 2023	Self-Care Application TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Anshul Sharma sharmaar_4 @rk nec.edu
52	IR2023 - 85337 9	06-04- 2023	Automatic Domain Identification Using Machine Learning TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Ankita Gore gorea@rk nec. edu
53	IR2023 - 85336 1	06-04- 2023	DHRUVTARA - A blind guiding and searching stick via speech commands TRL Title - TRL 4	2021-22	Academic Requirement/Stud y Project	Tanaya Wadibhasme tanayawadib hasme@gmai l.com
54	IR2023 - 83779 2	06-04- 2023	Smart Water Distribution and Management System TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Hatim Shakir shakirhm@rk nec.edu
55	IR2023 - 83751 8	05-04- 2023	Pneumonia detection through Image Classification Using CNN TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Mohit Nilkute nilkutemk@r k nec.edu
56	IR2023 - 83749 6	05-04- 2023	DYANAMIC RESPONSE ASSESSMENT OF RAILWAY BRIDGE USING INTERNET OF THINGS TRL Title - TRL 4	2021-22	Academic Research Assignment/Indus try Sponsored Project	Rajesh Agare agarerg@rkn ec.edu

57	IR2023 - 83736 2	04-04- 2023	Automatic Punctuator using deep learning techniques. TRL Title - TRL 4	2022-23	Academic Research Assignment/Indus try Sponsored Project	Yugant Gholase gholaseym@r knec.edu
58	IR2023 - 83726 5	04-04- 2023	PREDICTION OF KIDNEY DISEASE SEVERITY USING MACHINE LEARNING TRL Title - TRL 6	2022-23	Academic Requirement/Stud y Project	Vedant Saboo saboovv@rkn ec.edu
59	IR2023 - 83708 4	04-04- 2023	Hand gesture mouse control TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Piyush Deorao Pilare pilarepd@rkn ec.edu
60	IR2023 - 83707 2	03-04- 2023	A low-cost Air Quality Monitoring IoT System using Node MCU TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Jash Baraliya baraliyaja@r knec.edu
61	IR2023 - 83703 8	03-04- 2023	Fol-Bot: Smart Luggage Carrier using Wi-Fi RSSI TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Kunal Kanojiya kanojiyakg@r knec.edu
62	IR2023 - 83689 9	02-04- 2023	Sign language Interpreter for Communication with Deaf and Dumb Individuals TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Ninad Shende shendenn@r knec.edu
63	IR2023 - 83682 1	01-04- 2023	Multi layer Anti- Theft System TRL Title - TRL 4	2022-23	Academic Requirement/Stud y Project	Rakshit Najbile najbilery@rk nec.edu

64	IR2023 - 83680 8	01-04- 2023	POINT OF CARE DEVICE FOR MEASUREMENT AND ANALYSIS OF VITAL PARAMETERS TRL Title - TRL 4	2022-23	Academic Research Assignment/Indus- try Sponsored Project	Vivek kaushik kaushikvivek 121@gmail.c om
65	IR2022 - 80684 3	29-09- 2022	Online Video Lecture Summarization TRL Title - TRL 4	2021-22	Academic Requirement/Stud y Project	Shubhangi C. Tirpude tirpudes@rk nec.edu
66	IR2022 - 80213 5	27-09- 2022	Detecting Disaster from text data using machine learning TRL Title - TRL 4	2021-22	Academic Requirement/Stud y Project	Soham Mundhada soham.mund hada@gmail. com
67	IR2022 - 79983 0	26-09- 2022	Development of electric all terrain vehicle TRL Title - TRL 7	2021-22	Independent Assignment/Non- academic Study Project	Hrushikesh Pawar pawarhr@rk nec.edu
68	IR2022 - 79636 1	22-09- 2022	Development of Integrated Test Set for SoC-SoH Estimation of Lithium-Ion Battery TRL Title - TRL 4	2021-22	Academic Research Assignment/Indus try Sponsored Project	Ujwal Narendra Jibhkate ujwaljibhkat e@gmail.com
69	IR2022 - 79635 3	22-09- 2022	Development of Integrated Test Set for SoC-SoH Estimation of Lithium-Ion Battery TRL Title - TRL 4	2021-22	Academic Research Assignment/Indus try Sponsored Project	Ujwal Narendra Jibhkate ujwaljibhkat e@gmail.com
70	IR2022 - 79096 8	16-09- 2022	Multilingual Meet Summarizer TRL Title - TRL 4	2021-22	Academic Requirement/Stud y Project	Vasundhara Rathod rathodv1@rk nec.edu

71	IR2022 - 78229 9	05-09- 2022	PlagCheck: A plagiarism detection tool TRL Title - TRL 4	2021-22	Academic Research Assignment/Indus try Sponsored Project	Abhiyant gwalani gwalanian@r knec.edu
72	IR2022 - 77212 4	23-08- 2022	FAKE NEWS DETECTION USING MACHINE LEARNING TRL Title - TRL 6	2021-22	Academic Research Assignment/Indus try Sponsored Project	Anuragini Paunikar arpaunika0 5@gmail.com
73	IR2022 - 77179 6	22-08- 2022	Prediction of assembly line stoppages at Mahindra Tractor Plant Nagpur TRL Title - TRL 4	2021-22	Academic Requirement/Stud y Project	Priyanshu Sawarkar priyanshu.sa warkar@gma il.com
74	IR2022 - 77173 3	22-08- 2022	Fault detection in manufactured products (steel surfaces) TRL Title - TRL 4	2021-22	Academic Requirement/Stud y Project	Shubham joshi joshishubha m0301@gmai l.com
75	IR2022 - 77158 4	21-08- 2022	Krytominters TRL Title - TRL 4	2021-22	Independent Assignment/Non- academic Study Project	Atharva Paramsukh Paliwal app.paliwal@ gmail.com
76	IR2022 - 77134 5	20-08- 2022	DockIT TRL Title - TRL 4	2021-22	Independent Assignment/Non- academic Study Project	Rishikesh Kale rvk.rishikesh kale@gmail.c om
77	IR2022 - 77115 2	19-08- 2022	A Question Answering System (Multilingual) TRL Title - TRL 4	2021-22	Academic Requirement/Stud y Project	Krishna Rathi krishna.rathi 222@gmail.c om

78	IR2022 - 77106 8	19-08- 2022	Adsorptive treatment of dye bearing waste water by using low cost adsorbent TRL Title - TRL 9	2021-22	Academic Research Assignment/Indus try Sponsored Project	TRIPTI GUPTA guptatb@rkn ec.edu
79	IR2022 - 77106 5	19-08- 2022	Smart Speed Control Device for Mopeds TRL Title - TRL 4	2021-22	Academic Requirement/Stud y Project	Mrugank Joshi mrugankjosh i123@gmail.c om
80	IR2022 - 77029 8	18-08- 2022	The Imperial Lubricants TRL Title - TRL 9	2019-20	Independent Assignment/Non- academic Study Project	Apurv Sanjay Dey apurvdey4@g mail.com
81	IR2022 - 77024 0	17-08- 2022	Development of Integrated Test Set for SoC-SoH Estimation of Lithium-Ion Battery TRL Title - TRL 4	2021-22	Academic Research Assignment/Indus try Sponsored Project	Ujwal Narendra Jibhkate ujwaljibhkat e@gmail.com
82	IR2022 - 76951 6	16-08- 2022	Development of Integrated Test Set for SoC-SoH Estimation of Lithium-Ion Battery TRL Title - TRL 4	2021-22	Academic Research Assignment/Indus try Sponsored Project	Ujwal Narendra Jibhkate ujwaljibhkat e@gmail.com
83	IR2022 - 76878 5	12-08- 2022	Design, Development and Manufacturing of Accidental Fall Protection Device for High Elevation Ladders of Windmill Towers TRL Title - TRL 4	2019-20	Academic Research Assignment/Indus try Sponsored Project	Vinayak Sood vinayaksood 23@gmail.co m

84	IR2022 - 76859 2	12-08- 2022	Battery Thermal Management Systems with improved cooling TRL Title - TRL 4	2020-21	Academic Research Assignment/Industry Sponsored Project	Pranjali Tete pranjalitete@gmail.com
85	IR2022 - 76855 0	12-08- 2022	Self cooled solar photovoltaic system TRL Title - TRL 4	2020-21	Academic Research Assignment/Industry Sponsored Project	Shubham Vinod Deshmukh deshmukhsv3@gmail.com
86	IR2022 - 76844 0	12-08- 2022	Design and development of CAM operated in-pipe robot TRL Title - TRL 4	2019-20	Academic Research Assignment/Industry Sponsored Project	Prajawal Khandelwal prajawalkhandelwal@gmail.com
87	IR2022 - 76823 2	11-08- 2022	ALPHA-COMP, Learning braille with fun! (Interactive Learning Game for Visually Impaired) TRL Title - TRL 4	2021-22	Independent Assignment/Non-academic Study Project	Swaraj Rathi swarajrathisbr@gmail.com
88	IR2022 - 76821 5	11-08- 2022	A SYSTEM AND A METHOD FOR LOCKING AND UNLOCKING A VEHICLE TRL Title - TRL 4	2021-22	Academic Requirement/Study Project	Prasheel Thakre thakreprn2@rknc.edu
89	IR2022 - 76820 0	11-08- 2022	A Device for Rolling and Unrolling a Roller Shutter TRL Title - TRL 4	2019-20	Academic Requirement/Study Project	Sumit Nandkishor Patil patil.sushant99@gmail.com
90	IR2022 - 76800 4	10-08- 2022	Qualitative detection of Algae using RGB Based indices from drone	2021-22	Academic Requirement/Study Project	Shubh Agrawal agrawalsn_2@rknc.edu

			images TRL Title - TRL 4			
91	IR2022 - 76785 2	10-08- 2022	A Device for Fuel Adulteration Detection TRL Title - TRL 4	2021-22	Academic Research Assignment/Indus try Sponsored Project	Ankita Harkare harkareah@r k nec.edu
92	IR2022 - 76784 8	10-08- 2022	E-VEHICLE FOR AGRICULTURE ACTIVITIES TRL Title - TRL 4	2019-20	Academic Requirement/Stud y Project	Jagdish Deorao Kene kenejd@rkne c.edu
93	IR2022 - 76772 8	09-08- 2022	SMART AAKASHWANI: THE DIGITIZED SPEAKING CLOCK TRL Title - TRL 4	2021-22	Academic Requirement/Stud y Project	Tejas Raghunath Sathawane sathawanetr @rk nec.edu
94	IR2022 - 76766 4	09-08- 2022	AN IOT BASED ANTI-COLLISION SYSTEM FOR FISHING VESSEL TRL Title - TRL 4	2021-22	Academic Requirement/Stud y Project	Pranav Sanjay Wazarkar wazarkar310 8@gmail.com
95	IR2022 - 76764 0	09-08- 2022	Optimized cross- section of profile for endodontic files TRL Title - TRL 4	2019-20	Academic Requirement/Stud y Project	Vinay Mehta vinaymt28@g mail.com
96	IR2022 - 76755 2	08-08- 2022	A Solar Panel for generating Solar energy TRL Title - TRL 4	2020-21	Academic Requirement/Stud y Project	Dr. SANJAY B. POKLE poklesb@rkn ec.edu
97	IR2022 - 76753 5	08-08- 2022	A Machine for Performing Exercise TRL Title - TRL 4	2020-21	Academic Requirement/Stud y Project	Pallavi Keshavrao Parlewar parlewarpk@ rk nec.edu

98	IR2022 - 76746 7	08-08- 2022	DESIGN AND DEVELOPMENT OF A SYSTEM FOR NADI PARIKSHAN (PULSE RATE ANALYSIS) AS PER AYURVEDIC THEORY TRL Title - TRL 4	2020-21	Academic Requirement/Stud y Project	Ameya Bidwai ameya.bidwa i@gmail.com
99	IR2022 - 76729 5	06-08- 2022	A DEVICE FOR CLEANING CEILING FAN TRL Title - TRL 4	2020-21	Academic Requirement/Stud y Project	Vipul Suresh Rao Lande landevs@rkn ec.edu
100	IR2022 - 76725 3	06-08- 2022	Transfer of data between devices using Li-FI TRL Title - TRL 4	2021-22	Academic Requirement/Stud y Project	Anushka Rajesh Khadatkar khadatkarar @rk nec.edu
101	IR2022 - 76705 5	05-08- 2022	APPLICATION OF NMT&NATM SYSTEM FOR UNDERGROUND EXCAVATION SUPPORT OF HAULAGE ROAD & CROSS-CUT AT MUN SAR MINE OF MOIL LIMITED TRL Title - TRL 5	2019-20	Academic Research Assignment/Indus try Sponsored Project	Vishal Meshram vishalmmesh ram@gmail.c om
102	IR2022 - 76705 2	05-08- 2022	An Anchorage Plate for Post Tensioning of a Prestressed Concrete TRL Title - TRL 4	2021-22	Academic Requirement/Stud y Project	Monika Jain mnkjain26@ gmail.com

STARTUPS REGISTERED ON YUKTI PORTAL:

Sr. No.	Startup ID	Startup Title	Startup Registration Type	GST/CIN No	Team Lead Details
1	IR2023-858545	Industrial fuse puller TRL Title - TRL 4			Neeraj Dwivedi dwivedin1211@gmail.com 7709803366 Student 20201000918550
2	IR2022-813937	BIO SPECTRONICS PVT LTD TRL Title - TRL 5	Private Limited Firm (Pvt. Ltd.)	U51909MH2022PTC374856	SANGEETA SUSHANT SAMMANWAR sangeeta.sam2411@gmail.com 9503714940 Entrepreneur palekarsd1@rknec.edu, Research Scholar
3	IR2022-813609	RPC Projects TRL Title - TRL 8	SME Registered Unit (Valid GST No.)	27AAUFR8382A1ZQ	Poonam Gupta rpcprojectss@gmail.com 8390845628 Alumni 2016-7-11
4	IR2022-812255	HAPPICO FOODS PRIVATE LIMITED TRL Title - TRL 9	Private Limited Firm (Pvt. Ltd.)	U15400MH2022PTC386840	Yash Pande yashpande7@gmail.com 7758896405 Alumni 2018-06-22
5	IR2022-811240	Ira Industries MSME SSI Registration UAN: MH20A0025231 TRL Title - TRL 9	SME Registered Unit (Valid GST No.)	27GDQPS7717R1Z4	Akshay Shirpurkar akshay.2795@gmail.com 7796060676 Alumni 13CEU271CEU2
6	IR2022-810796	GearToCare TRL Title - TRL 9	Not Yet Registered as an entity	null	Suraj Birthariya surajbirthariya@gmail.com 9960904902 Entrepreneur
7	IR2022-770294	The Imperial Lubricants TRL Title - TRL 9	SME Registered Unit (Valid GST No.)	27COFPD3568H1ZV	Apurv Sanjay Dey apurvdey4@gmail.com 8329082456 Alumni
8	IR2022-770184	Empowr Club TRL Title - TRL 7	Private Limited Firm (Pvt. Ltd.)	U74999MH2021PTC367956	Mehr Kohli kohlimehr@gmail.com 8450940001 Entrepreneur
9	IR2022-766162	UFF TRL Title - TRL 9	Private Limited Firm (Pvt. Ltd.)	U74999MH2020PTC337971	Piyush Chhawsaria chhawsariapiyush@gmail.com 8329969733 Alumni

Sr. No.	Startup ID	Startup Title	Startup Registration Type	GST/CIN No	Team Lead Details
10	IR2022-765917	Agrodia Enterprises LLP TRL Title - TRL 9	Limited Liability Partnership Firm (LLP)	AAT-6447	Harshal Thakare hthakare9@gmail.com 9545897705 Entrepreneur
11	IR2022-764965	Foster Reads TRL Title - TRL 9	Private Limited Firm (Pvt. Ltd.)	U74999MH2021PTC366341	Varun Chopra varun@fosterreads.com 9881167575 Alumni
12	IR2022-764960	ALENTAR ELECTRIC LLP TRL Title - TRL 7	Limited Liability Partnership Firm (LLP)	AAP-9182	Ayush Mishra aayush9xm@gmail.com 7745843649 Entrepreneur
13	IR2022-764914	Somebuddy Technologies LLP TRL Title - TRL 9	Limited Liability Partnership Firm (LLP)	AAJ-8105	Vaibhav Kaushik vaibhav3521@gmail.com 7083873376 Entrepreneur
14	IR2022-764680	Sigmatronics Innovation Pvt Ltd TRL Title - TRL 9	Private Limited Firm (Pvt. Ltd.)	U72900MH2021PTC362954	Siddharth Mishra siddharth@sigmatronics.co.in 9890455177 Alumni