

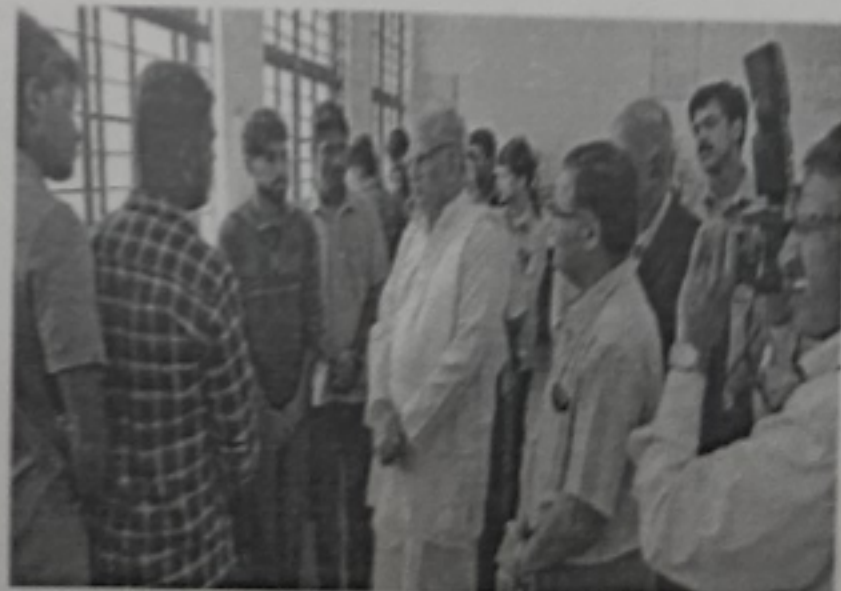
## ENGINEERING EXPLORATION

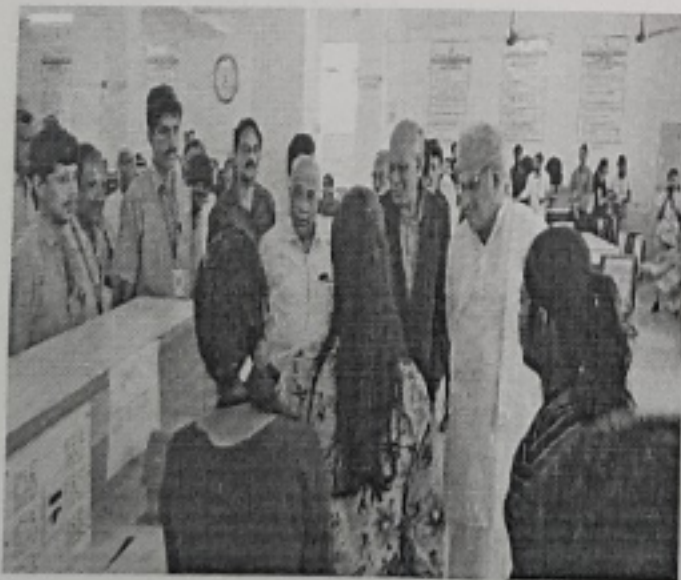
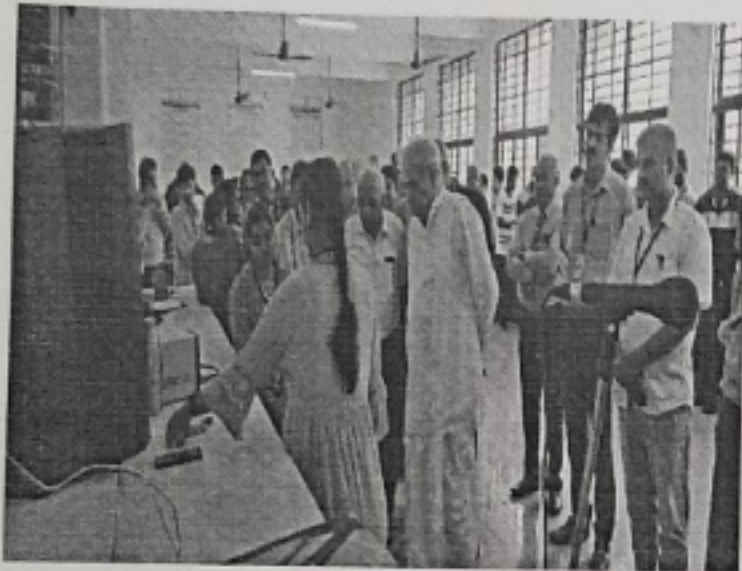
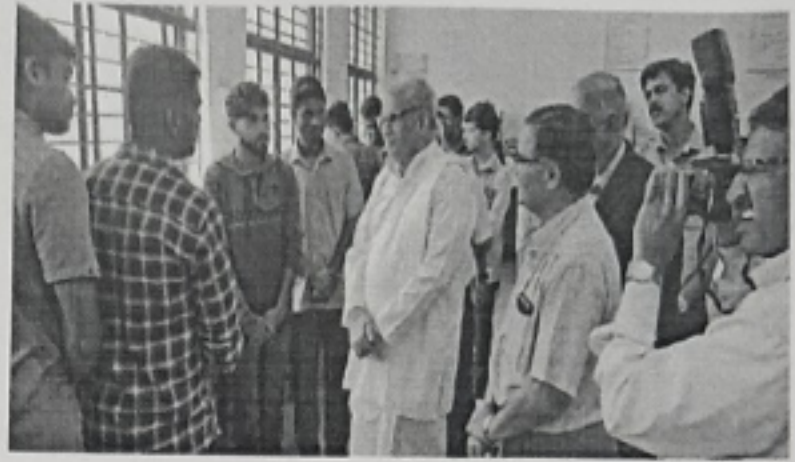
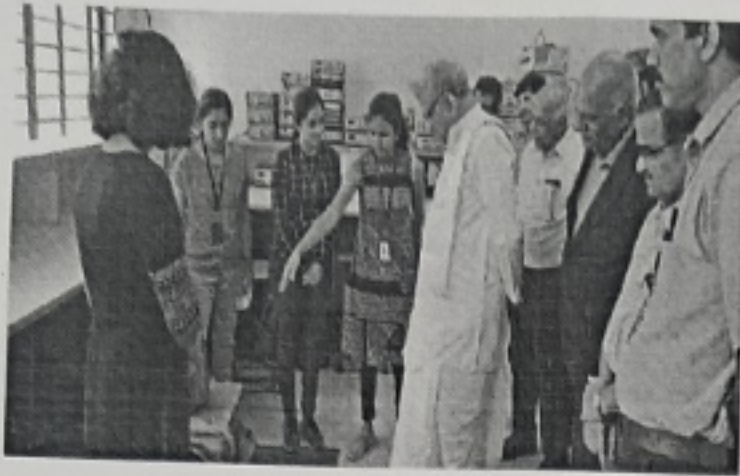
(For II SEMESTER 2021-22 batch)

Enhanced learning more through Project

### REPORT for C division

- A project exhibition for the Second semester engineering students of S D M college of Engineering and Technology, Dharwad is held on 8-9-2022 from 2.30pm to 5.00pm in the Electrical and Electronics department.
- Students made a team of four and done a project pertaining to their field of interest. Further, they purchased of components, done a working model and understand simple principles of engineering. Students wrote about the topic and also explained about their project to others.
- Totally **SIXTEEN** projects, by **57** students exhibited by participants.
- The projects include-Toll gate automation, Automatic street light, LASER security alarm, Rain alarm, Robotic car, Clap switch, wireless security, wireless charger, Tesla coil, wireless power transmission, Seven segment display, Earthquake alarm, Air cooler, Electricity generation, cell phone detector, smoke absorber
- S D M E Society, President Shri **VEERENDRA HEGGADEJI**, Secretary Shri **JEEVANDHARKUMAR**, Principal, **DR K GOPINATH**, Dean Academics **DR R L CHAKRASALI**, Dean Administration Prof. **G L RAJNANSHI**, Head of the Department **DR S G ANAKALIKI** and other faculty members of the college and department, interacted with the participants.





*Prof. Kamalapur G D* 9/9/22  
Faculty coordinator  
(Prof. Kamalapur G D)

# ENGINEERING EXPLORATION

## Enhanced learning more through Project

**Objective:** To adopt learner centric teaching by giving exposure to work with working model.

**Rationale:** This is an attempt to make the students of SECOND semester to understand the fundamentals of engineering. This inculcates in the students to do hands on experience of working models.

**Methodology:** Students are making a team of four and do a project pertaining to their field of interest. Further, they, purchase of components, do a working model and understand simple principles of engineering. Students write about the topic and also explain about their project to others during exhibition.

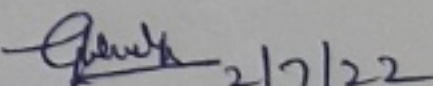
### Outcome of the practice:

\* Students get exposed to Engineering Design Process, Multi-disciplinary nature of engineering, problem solving, Team Building, Professional Ethics, and Project Management.

\* The students present their activity before their classmates who in turn will be an educative program and also trigger some students to identify their field of interest thereby can select the mini project to be done at higher semesters.

\* The students make an exhibition of their work and all the faculty, students asks about their work. Since, the students have carried out the activity on their own, they answer questions confidently.

\* It will be a guideline for them to choose the mini and major project work to be done at higher semesters.

  
2/7/22  
Course instructor

G.D.Kamalapur

## Engineering Exploration

8<sup>th</sup> September, 2022 2.30pm-5.00pm 2<sup>nd</sup> Semester C Division

Sl. No	Roll No	Name	Name of the Project
1	345 /	Nagaraj K Jyoti	Tollgate Automation
	337 /	Ankit Ronad	
	336 /	Abhishek S Koshti	
	341 /	Harish S Nayak	
2	321 /	Sharaddha M Allikatti	Automatic Streetlight
	322 /	Shbey Y Bani	
	362 /	Aditya D Bharade	
	349 /	Raghavendra M Basav	
3	328 /	Srushthi s Yaligar	LASER LIGHT Security Alaram
	311 /	K N Bindu	
	314 /	Namrata Bhat	
	320 /	Shivani S Shet	
4	307 /	Ashwini Hadagali	Rain Detector
	319 /	Shivani	
	332 /	Tejashwani Nagavi	
5	340 /	Gurudatt S Joshi	Robert Car
	344 /	Mohmmad A Hawaldar	
	352 /	Sanath	
	339 /	Daarshn Bhavi	
6	301 /	Adishree Nayak	Clap Switch
	308 /	Bhoomika U Prabhu	
	315 /	Nandi Pai	
	318 /	Sampreeta Gudi	
7	348 /	Prashant S B	Wireless Electricity
	355 /	Shreyas	
	353 /	Sangamesh	
	360 /	Vinay	
8	354 /	Shivaprasad S T	Wireless Charger
	351 /	Samrat S D	
	346 /	Prabal U N	
	335 /	Abhishek P	

9	358 /	Prahalad V	Tesla Coil
	361 /	Vrushabh R Munavalli	
	356 /	Sudeep G Naik	
	342 /	Iranagouda R Patil	
10	357 /	Suraj Raikar	Wireless Power Transmission
11	343 /	Khwaja Waize	Seven Segment Display
	329 /	Sumayya Darugar	
	330 /	Swapna Chikkammanavar	
	327 /	Spoorthy Shivanagoudar	
12	304 /	Akshata U Nayak	Earth Quake Alarm
	331 /	Teja Ravi Hulse	
	333 /	Varuna Yalavigi	
	334 /	Vidhyshree H. K	
13	324 /	Sneha S Rathod	Air Cooler
	312 /	Krshnaveeni A Katerimal	
14	303 /	Aishwarya G	Clap Switch
	310 /	K H Nirmal	
	316 /	Rekha N K	
	325 /	Sonia R N	
15	305 /	Ankita Kulkarni	Electricity Generation
	313 /	Mandira Rao	
	317 /	Ritika Anvekar	
	323 /	Shrisoumaya Puraik	
16	302 /	Aditi Kulkarni	Cell Phone Detector
	306 /	Annapurna Kalamath	

## Engineering Exploration

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Sl. No	Roll No	Name	Signature	Name of the Project
1	345	Nagaraj K Jyoti		Tollgate Automation
	337	Ankit Ronad		
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	341	Harish S Nayak		
2	321	Sharaddha M Allikatti		Automatic Streetlight
	322	<del>Shreyas</del> Shreyas Y Bani		
	362	Aditya D Bharade		
	349	Raghavendra M Basava		
3	328	Srushthi s Yaligar		LASER LIGHT Security Alaram
	311	K N Bindu		
	314	Namrata Bhat		
	320	Shivani S Shet		
4	307	Ashwini Hadagali		Rain Detector
	319	Shivani		
	332	Tejashwani Nagavi		
5	340	Gurudatt S Joshi		Robert Car
	344	Mohmmad A Hawaldar	Not well	
	352	Sanath		
	339	Daarshn Bhavi		
6	301	Adishree Nayak		Clap Switch
	308	Bhoomika U Prabhu		
	315	Nandini Pai		
	318	Sampreeta Gudi		
7	348	Prashant S B		Wireless Electricity
	355	Shreyas		
	353	Sangamesh		
	360	Vinay		
8	354	Shivaprasad S T		Wireless Charger
	351	Samrat S D		
	346	Prabal U N		
	335	Abhishek P		

9	358	Prahalad V	<i>Prahalad</i>	Tesla Coil
	361	Vrushabh R Munavalli	<i>Vr</i>	
	356	Sudeep G Naik	<i>Sudeep</i>	
	342	Iranagouda R Patil	<i>IR Patil</i>	
10	357	Suraj Raikar	<i>Suraj</i>	Wireless Power Transmission
11	343	Khwaja Waize	<i>Khwaja</i>	Seven Segment Display
	329	Sumayya Darugar	<i>Sumayya</i>	
	330	Swapna Chikkammanavar	<i>Swapna</i>	
	327	Spoorthy Shivanagoudar	<i>Spoorthy</i>	
12	304	Akshata U Nayak	<i>Akshata</i>	Earth Quake Alarm
	331	Teja Ravi Hulse	<i>Teja</i>	
	333	Varuna Yalavigi	<i>Varuna</i>	
	334	Vidhyshree H. K	<i>Vidhyshree</i>	
13	324	Sneha S Rathod	<i>Sneha</i>	Air Cooler
	312	Krshnaveeni A Katerimal	<i>Krshnaveeni</i>	
14	303	Aishwarya G	<i>Aishwarya</i>	Clap Switch
	310	K H Nirmal	<i>Nirmal</i>	
	316	Rekha N K	<i>Rekha</i>	
	325	Sonia R N	<i>Sonia</i>	
15	305	Ankita Kulkarni	<i>Ankita</i>	Electricity Generation
	313	Mandira Rao	<i>Mandira</i>	
	317	Ritika Anvekar	<i>Ritika</i>	
	323	Shrisoumaya Puraik	<i>Shrisoumaya</i>	
16	302	Aditi Kulkarni	<i>Aditi</i>	Cell Phone Detector
	306	Annapurna Kalamath	<i>Annapurna</i>	

9 | 338 Chetan Kumar

*Chetan*

Tesla Coil

15

C<sub>2</sub>

SHRI DHARMASTHALA MANJUNATESHWARA

COLLEGE OF ENGINEERING AND  
TECHNOLOGY, DHARWAD.

TOPIC:- AUTOMATIC STREET LIGHT.

COURSE INSTRUCTOR:- PROF G. D. KAMALAPUR

GROUP MEMBERS:-

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2. SHBEYA Y. BANI, 2SD21EE047 (322)
3. ADITYA D. BHARADE, 2SD21CH003 (362)
4. BAGHAVENDRA M. BASAVA, 2SD21CH017 (349)