

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

### REPORT

#### 1. Objective of the Program

- To offer learning the most basic, Prototype/ Process Design and Development - Prototyping
- To improve student and faculty's ability in the area of Design and Development -Prototyping
- The building of prototypes is an important facet of the product design process.
- The factors in prototyping, including part count and time spent on various design activities, and their correlations with design outcome.

#### 2. Benefits /Outcome of the Program

- Participants will be familiar with Prototyping which offers designers the opportunity to bring their ideas to life, test the practicability of the current design, and to potentially investigate how a sample of users think and feel about a product.
- One of the main findings of this study is that prototypes with fewer parts correlate with better design outcome.

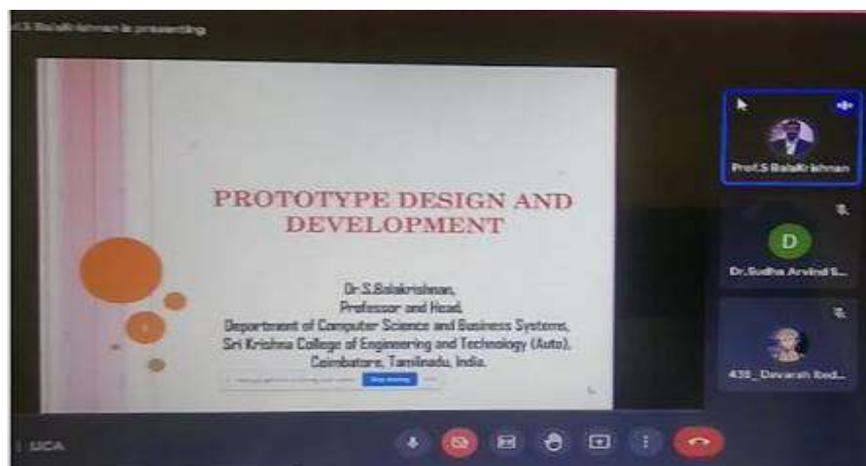
3. **Date:** 13 -05-2022

4. **Student Participants number:** 56

5. **Faculty Participants number:** Nil

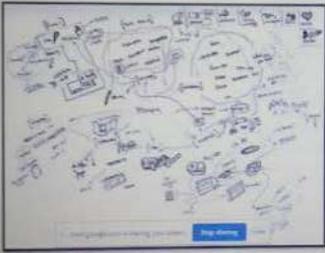
6. **Expenditure amount if any:** Nil

7. **7.Photographs**



### 1. SKETCHES AND DIAGRAMS

- o Sketching is one of the earliest forms of prototyping you can use.
- o It requires very little effort and does not necessarily rely on artistic levels of drawing skill to prove useful, and therein lies its value.



Meeting controls: Mute, Video, Chat, Share, Stop Meeting, End Meeting

Participants: Prof.S Balakrishnan, 444\_mankanta E..., Pathivath Rajend...

### 1. ALPHA PHASE

- o Will the product work?
- o How will it look and feel?
  - Proof of Concept (PoC) and

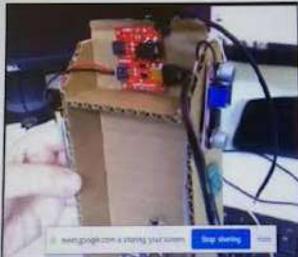


Meeting controls: Mute, Video, Chat, Share, Stop Meeting, End Meeting

Participants: Prof.S Balakrishnan, 442-Avinash ace, 412\_Sandeep

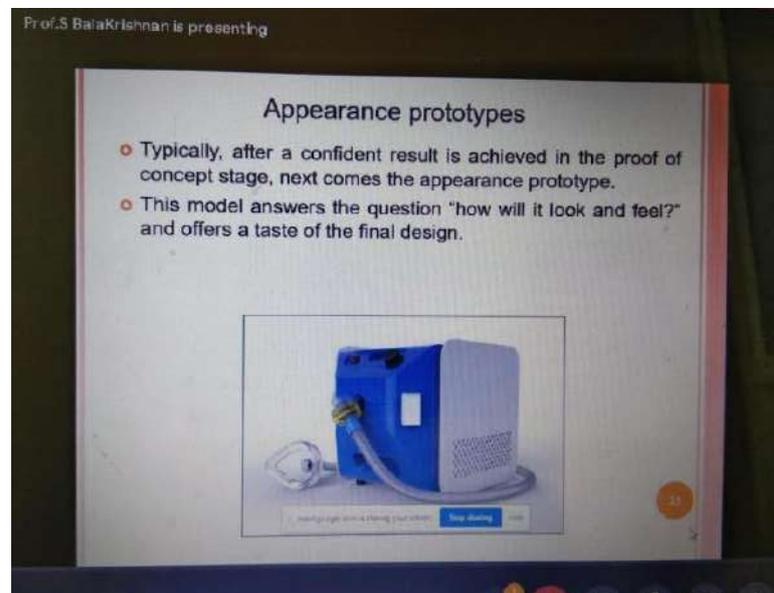
### PROOF OF CONCEPT (POC)

- o The first physical model created along the product roadmap is the proof of concept prototype.



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8. Video link url

## 9. Poster

**CMR TECHNICAL CAMPUS**  
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Accredited by NBA & NAAC with 'A' Grade  
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Kandlakoya, Medchal Road, Hyderabad-501401  
Telangana

**SDP**  
on  
“ Prototype/Process Design  
and Development - Prototyping ”  
Organising By  
**ECE Department**  
In Association with  
**Institution's Innovation Council (IIC 4.0)**  
CMR Technical Campus, Hyderabad, Telangana  
**13-05-2022 @ 1:00 PM**  
Free Registration with Certificate of Participation  
Registration Link : <https://forms.gle/66EB8UqUogR8ZGjD9>

*Dr. A. Raji Reddy*  
Director, CMRTC  
*Dr. M. Ahmed Ali Baij*  
President, IIC, CMRTC  
*Dr. K. Srujan Raju*  
Vice President, IIC, CMRTC  
*Prof. G. Srikant*  
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*Dr. Sudha Arvind*  
Convener, IIC, CMRTC  
*Dr. K. Mohanalakshmi*  
Faculty Co-ordinator, IIC, CMRTC

**Speaker: Dr. S. Balakrishnan**  
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