



**B.M.S. College of Engineering, Bengaluru -560019**  
Autonomous Institute, affiliated to VTU

1. Name of the lab: 3D Printing Lab Propel Lab -2
2. Department: ICRD
3. Location of the lab: 6<sup>th</sup> Floor PG Block
4. Faculty in charge: Sreekanth N V [snv.mech@bmsce.ac.in](mailto:snv.mech@bmsce.ac.in)
5. Associated with industry, if any: Canmed Healthcare Pvt. Ltd./Carditek healthcare/Green Bubble/ Rapid DMLS/Capricot technologies
6. List of Equipments/facilities along with specifications and photographs + software with versions:



3D printers(Makebot Z17/ Aha 3D printer/ imaker 3D printer/ Flashforge 3D printer/ xsmart 3D printer

The lab uses open source software for students to explore

7. Major Achievements till date:
  - Printed and processed materials for more than 300+ UG & PG projects
  - Encouraging to the New Start-ups in terms for Product development
  - Built and showcased Delta based, Cartesian method 3D printer
  - Participated in IMTEX, Phase Shift and various exhibitions
  - Published research papers in AMSI, IEEE,REV conferences
  - Guest Lectures in various colleges in Karnataka
  - Collaboration with industries in areas of aerospace, manufacturing, design and architecture
  - Supported Aerospace, SAE, Robotic laboratories and various Departments of the college
  - Have done consultancy for aerospace industries and startups
  - Have helped students and researchers bring their ideas into real world objects
  - Helped develop initial prototype for Cancer therapy equipment
  - Helped 3d print parts for Carditek healthcare

- A project was completed with IEEE and 3D Printing Lab for UrbanSlums and House keeping staff lead by Dr. Abhishek Appaji ICRD.
- Conducted ATAL FDP Programme with Biotechnology and Medical Electronics department titled“Prospects and Challenges in 3D Printing: A Design Perspective”.
- Conducted webinars for industries on AM
- Date: 01st September 2020 to 05th September 2020
- Applied for grants in VGST/La Fondation/BIRAC/IEEE etc. for enhancement of lab infrastructure.

## 8. Photographs



[Jai Sri Gurudev]  
Sri Adichunchanagiri Shikshana Trust ©

**S J C Institute of Technology**  
Chickballapur - 56210 (Affiliated to VTU, Belagavi, Recognized by AICTE, New Delhi, Accredited by NAAC&NBA(CEE, CSE, MED))

**WEBINAR**  
ON  
**OVERVIEW ON 3D PRINTING TECHNOLOGY**  
Friday 14<sup>th</sup> May 2021 | 06:00 PM – 07:30 PM  
ORGANIZED BY  
**DEPARTMENT OF MECHANICAL ENGINEERING**

**RESOURCE PERSON**  
Prof. Sreekanth NV  
Assistant professor  
BMSCE Bengaluru

Click or scan to join the webinar  
<https://meet.google.com/gik-nuzx-whm>

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Prof. Harish S  
Co-ordinator

Dr. Nagesh D  
Co-ordinator

**INDIA**  
Opportunities in Additive Manufacturing for Indian Industries Post Lockdown 4.0  
Date: June 11, 2020 | Time: 4:00 P.M.

**Speaker's Profile:**  
Mr. Sreekanth N.V.  
Assistant Professor, Mechanical Engineering,  
BMSCE, College of Engineering, Bengaluru

With a Master's degree in Manufacturing Engineering from BMSCE, he has been involved with industry organizations in Additive Manufacturing such as Additive Manufacturing Society, Additive Society India (ASI), 3D Printers Club India, Additive Society India (ASI), etc.

He is in charge of 3D Printing Lab which is a member of the Association of Additive Manufacturing in India (AAMI) and is also the Faculty In-charge of Product Development Lab.

He has been working closely with the industry on the development of 3D printed parts for use in the field of 3D printing, design and manufacturing.

For details contact:  
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Coordinator & Administrator  
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E. dhat@bmsceindia.net

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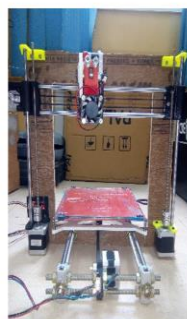


**Polar3D printer**

Team : Abhinav Mahendra , Aashish Baroor & Nikhil

Guide : Prof. Sreekanth N V

Co-Guide: Mr. Harish Betageri



**Prusa I3 3D printer**

Team : Sayali Patil, Arfan

Guide : Prof. Sreekanth N V

Co-Guide: Mr. Harish Betageri



**SLA (DLP projector) 3D printer**

Team : Ganesh and Anvesh from Mechanical Dept.

Guide : Prof. Sreekanth N. V.

Co-Guide: Mr. Harish Betageri & Mr. Praveen Bharadvaj

This Project has been funded by TEQIP, BMSCE



**Completed Projects Photos  
In house projects**



**Support to Industries and Colleges**

