



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



**VINAYAKA MISSION'S
KIRUPANANDA VARIYAR
ENGINEERING COLLEGE**

VINAYAKA MISSION'S KIRUPANANDA VARIYAR ENGINEERING COLLEGE, SALEM
(A Constituent College of Vinayaka Mission's Research Foundation, Deemed to be University, Salem)
(NAAC Accredited and AICTE Approved)

Institution's Innovation Council

A Business Plan/Prototype Competition on “Invite Innovative Business Models from Students” is organized by the Institution's Innovation Council of Vinayaka Mission's Kirupananda Variyar Engineering College, Salem on 29.06.2021. The programme was inaugurated with Dr.T.Muthumanickam HOD/ECE welcomed the dignitaries and Principal Dr.A.Nagappan delivered the presidential address. In his address, he mentioned the vital role that innovation and entrepreneurship plays in academics of engineering students and career development.

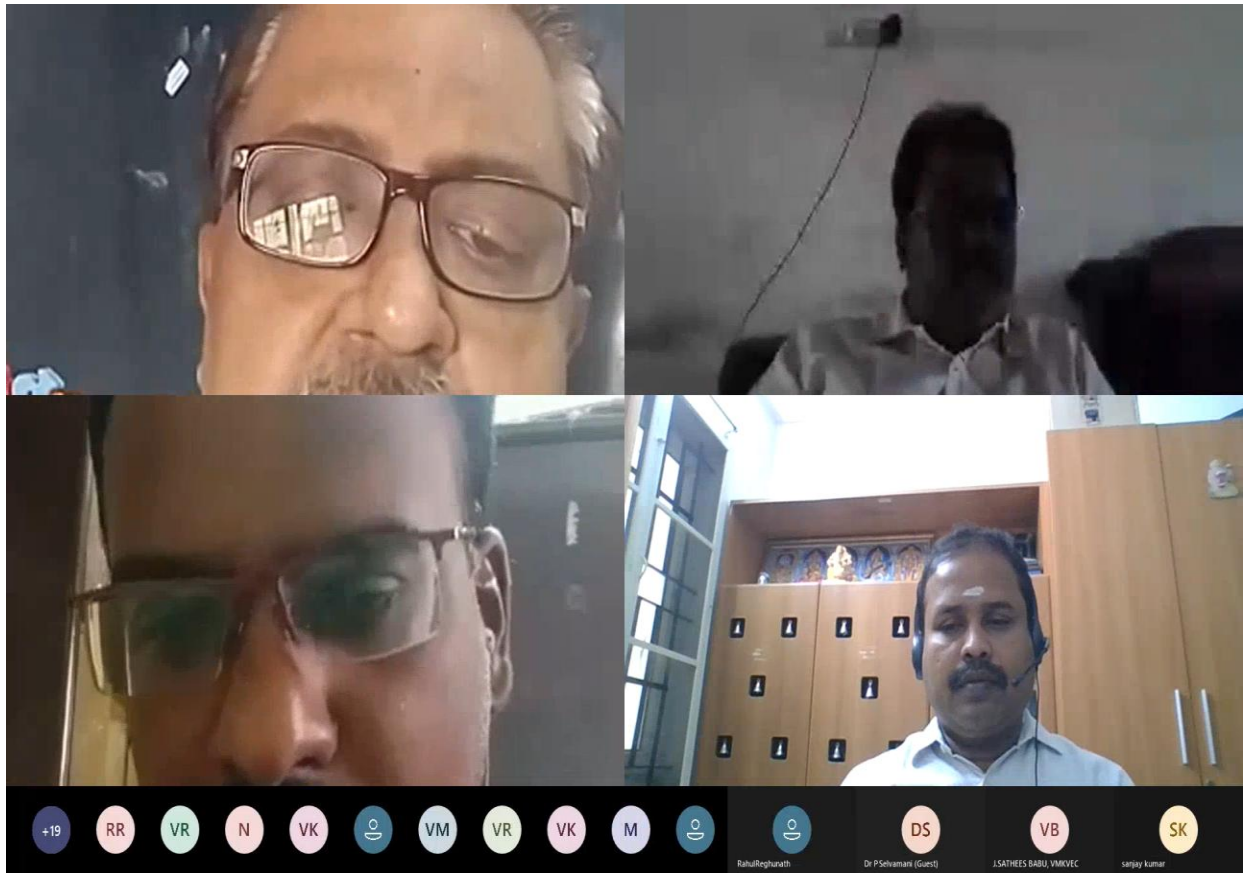
The judging panel consisted of:


Dr. N. B. Balamurugan, Professor, Department of ECE, Thiagarajar College of Engineering, Madurai.

Dr. V. Vijayakumar, Assistant Professor (Sr.G), Department of Mechanical Engineering, PSG College of Technology, Coimbatore.


Dr. P. Selvamani, Associate Professor, Department of Pharmaceutical Technology, Anna University, BIT Campus, Trichy.

In this program around 20 student groups were shortlisted for presentation based on the quality of their innovation. Around 130 attendees were there in the program. It was an inspiring session that motivated for more focus on their creativity and innovation. Best prototype model was declared at the end of the session by the judging panel. The sessions ended with a vote of thanks proposed by Dr.T.Muthumanickam.





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EXPERIMENTAL INVESTIGATION AND COMPARATIVE GEOMETRICAL EVALUATION OF WCEDM PROCESS ON OHNS BY USING VARIOUS WIRES

Project Phase - 2

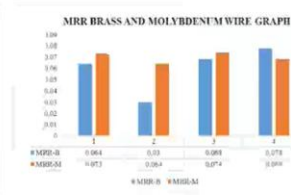
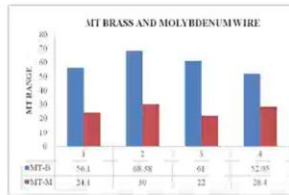
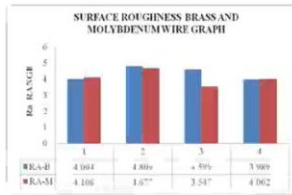
Submitted by

NISHANTH V
4021910004

Project Guide

Dr. S. VENKATESAN
PG CO-ORDINATOR,
Department of Mechanical Engineering,
Vinayaka Mission's Kirupananda Variyar Engineering College,
Salem - 636308.

COMPARISON GRAPH OF Ra, MT & MRR BRASS AND MOLYBDENUM WIRE



+29 N 0 VM RR 0 VB VT SK VR V N

RESULT & CONCLUSION

OPTIMAL CONTROL FACTOR - MOLYBDENUM

1. Surface Roughness - A1 (TON - 30 μ s) B2 (T OFF - 7 μ s) C3 (Volt - 70)
2. Machining Timing - A2 (T ON - 32 μ s) B1 (T OFF - 5 μ s) C3 (volt - 70)
3. Material Removal Rate - A2 (T ON - 32 μ s) B1 (T OFF - 5 μ s) C3 (volt - 70)

PERCENTAGE OF CONTRIBUTION OF PROCESS PARAMETER- MOLYBDENUM

1. Surface Roughness - Pulse ON time - 58%
2. Machining Timing - Pulse OFF time - 92%
3. Material Removal Rate - Pulse OFF time - 87%

Finally concluded according to geometrical tolerations brass is better than molybdenum. Minimum surface Roughness and maximum MRR obtained through molybdenum wire and machining timing of brass is very high comparative than molybdenum wire.

+28 N 0 VM RR 0 VB VT SK VR V N

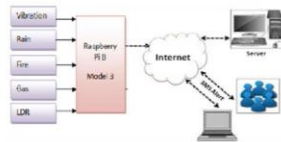
FIRST STEP TOWARDS AN IOT IMPLEMENTATION OF A WIRELESS SENSORS NETWORK FOR ENVIRONMENTAL RADIATION MONITORING

Name of the Students: G.Painguzhali (3472057002)
S.Hariharan (3471710002)

Name of the Project Guide: Dr.T.Muthumanickam
Head of the Department – ECE.



PROPOSED BLOCK DIAGRAM



SMART CHILD SAFETY CAP FOR CORONA



**N.DEENADHAYALAN DIWAKAR .S
K.ARAVIND G.SARAVANAN**

**GUIDED BY
Mr.K.NATARAJAN
ASSOCIATE PROFESSOR**

Department of Biomedical Engineering

VINAYAKA MISSION'S KIRUPANANDAVARIYAR ENGINEERING COLLEGE

Salem, Tamilnadu



RB

SD

DD

VS

TB

AK

JB

N

VT

VK

SB

Aravind Kirish

Jens Rosen Basker

Kamali Srinivasan

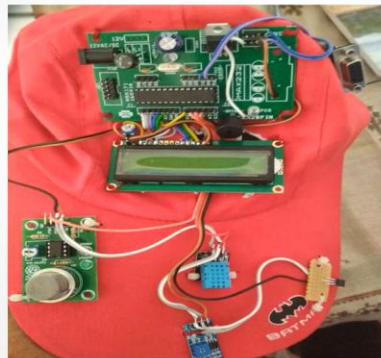
N.B.Balamangali (Guest)

T.MUTHUMANICKAM, VMKEVC

G. SURESH KUMAR, VMKEVC

S.DIWAKAR IV BME

PROTOTYPE



+4

SD

DD

VS

TB

AK

JB

N

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