



# **METHODIST**

## **COLLEGE OF ENGINEERING AND TECHNOLOGY**

Approved by AICTE New Delhi | Affiliated to Osmania University, Hyderabad

Estd : 2008 Address : King Koti Road, Abids, Hyderabad, Telangana, 500001 | Email : [principal@methodist.edu.in](mailto:principal@methodist.edu.in)

### **Best Practice - I**

1. “Capacity building of teachers for adopting online teaching learning methodologies”



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Affiliated to Osmania University - College Code - 1607

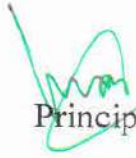
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Date: 07-08-2020

## CIRCULAR

All the faculty are hereby informed to go through the following videos for digital online teaching using M S TEAMS platform. The following links for the tutorials are given below

1. **Microsoft Teams | The Right Way to Schedule Meetings**  
<https://www.youtube.com/watch?v=Y44nIQHbdZk>
2. **How to download attendance list in Microsoft Teams**  
<https://www.youtube.com/watch?v=iAkZ1tlj1qg>
3. **How to Poll During Microsoft Teams Meeting**  
<https://www.youtube.com/watch?v=EK4C1vzmGEU>
4. **How to set up MCQ Test in Ms Teams using Assignment Option**  
<https://www.youtube.com/watch?v=GzJtwiHlek8>
5. **How to create assignment in Ms Teams**  
<https://www.youtube.com/watch?v=DXBCr48qHmM>
6. **How the students can attempt the online Lab Exam via Ms Teams Assignments**  
<https://www.youtube.com/watch?v=xS7cxqsmRRw>
7. **How to Set up Online Internal Exam using Teams Assignment**  
<https://www.youtube.com/watch?v=s4TFPdYeDDo>

  
Principal

Home - Microsoft 365 admin center | admin.microsoft.com/#/homepage

Microsoft 365 admin center | Search

Methodist College of Engineering & Technology | Dark mode | What's new?

+ Add cards

### Microsoft Teams

## Support distance learning with Teams

Manage Teams settings, users, and guests, and learn how to support distance learning with articles, videos, and community resources for administrators, teachers, and students

- ✔ Teams is on for students and faculty
- ℹ Check setup status for new Teams users
- ✔ Guest access is on

### User management

## User management

Add, edit, and remove user accounts, and reset passwords.

Add user | Edit a user

35°C Sunny | 14:31 24-03-2022

Subscriptions - Microsoft 365 admin center | admin.microsoft.com/#/subscriptions

Microsoft 365 admin center | Search

Products | Benefits

Due to new regulations by the Reserve Bank of India, automatic recurring payments may block some credit card transactions and, Microsoft will not store customer card details other than what is allowed in the regulation. To avoid service interruption, you may need to add a payment method and make a one-time payment. We'll notify you via email when your invoice is ready and provide instructions to pay.

4 items | Search | 4 filters selected

### Microsoft products (4)

Product name ↑	Assigned licenses	Purchased quantity	Subscription status
<input type="checkbox"/> Microsoft Power Automate Free	99	10000	✔ Active
<input type="checkbox"/> Office 365 A1 for faculty	278	500000	✔ Active: Renews on 11/3/2022
<input type="checkbox"/> Office 365 A1 for students	3226	1000000	✔ Active: Renews on 11/3/2022
<input type="checkbox"/> Power BI (free)	5	1000000	✔ Active

35°C Sunny | 14:32 24-03-2022





# JNTUH College of Engineering Sultanpur

Sultanpur (V), Polkal (M), Sangareddy District, Telangana State.

*in Association with*

## Spoken Tutorial Project, IIT Bombay

Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching  
(PMMMNTT)

Faculty Development Program

On

# "Moodle Learning Management System"

( 10<sup>th</sup> June 2020 to 15<sup>th</sup> June 2020 )




# Certificate


This is to certify that Dr. AKSHAY S. K. NAIDU, Professor

**METHODIST COLLEGE OF ENGINEERING AND TECHNOLOGY**

has successfully completed one week National Level Faculty Development Program and Online Training on "Moodle Learning Management System" organized by JNTUH College of Engineering, Sultanpur, Sangareddy (Dt.) in association with Spoken Tutorial Project IIT Bombay, from 10<sup>th</sup> June 2020 to 15<sup>th</sup> June 2020.

  
Dr. M. Shailaja  
Prof. of ME, JNTUHICES  
Co-Ordinator

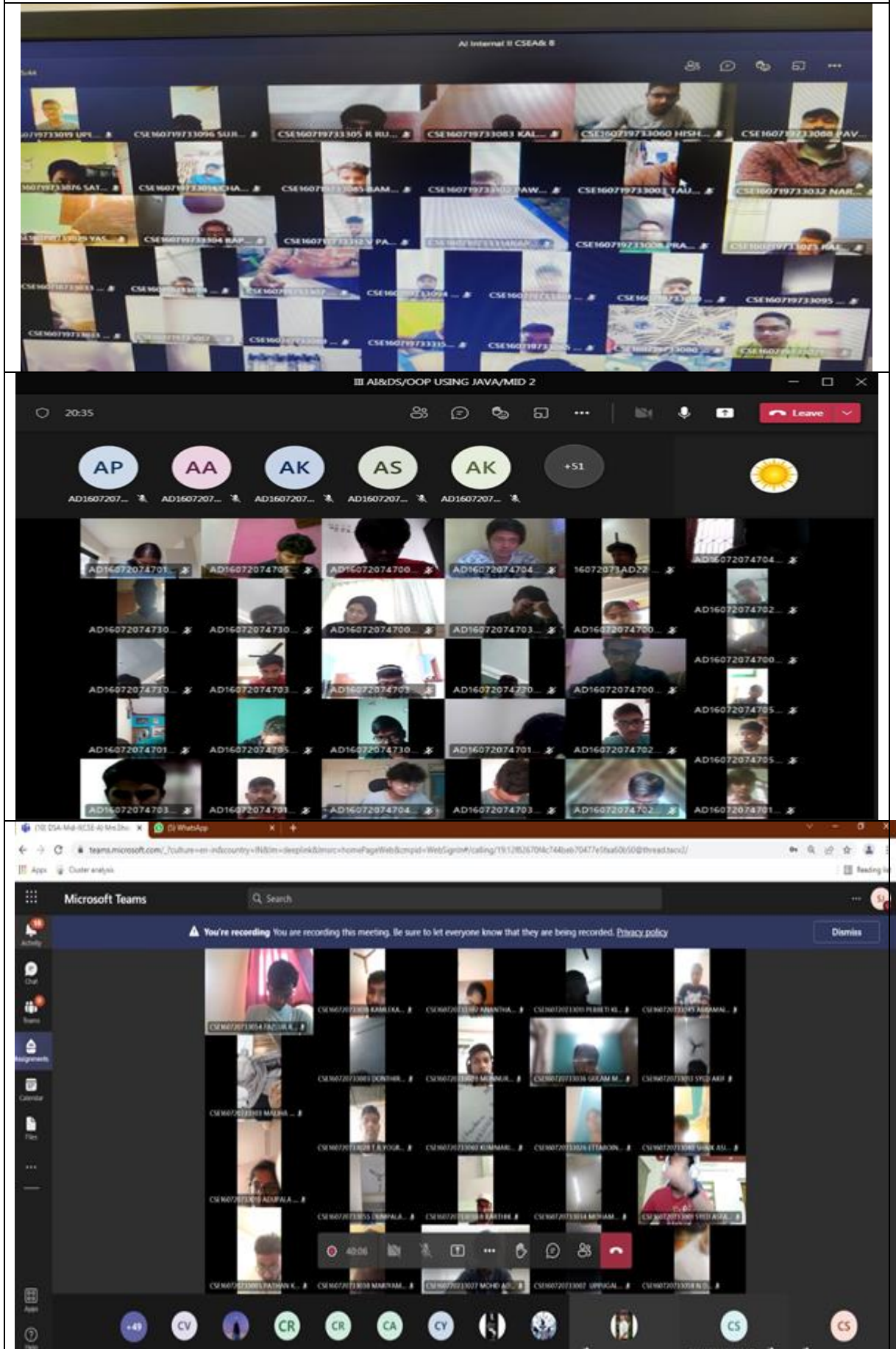
  
Dr. V. Venkateswara Reddy  
Vice-Principal, JNTUHICES  
Convener

  
Dr. B. Balu Naik  
Principal, JNTUHICES  
Chairman





# Screen Shots of online classes on MS Teams Platform





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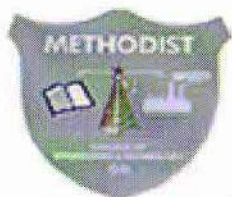
### **COLLEGE OF ENGINEERING AND TECHNOLOGY**

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## **Best Practice - II**

“Incentives to faculty and students for filing patents and research publications”



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### List of Research Publications / Patents

A.Y: 2020-21

1	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number
2	Thermal Performance of Engine Cylinder with Dissimilar Materials	Dr. M Udaya Kumar	Mechanical	International Journal of Advanced Research in Science, Commerce, Management and Technology	Jan-21	ISSN (Online) 2582-9327
3	Experimental investigation on corrosion behaviour of Friction stir welded AA-T651 aluminium alloy under 3.5%WTNACL environment	Dr.P.Prabhu Raj	Mechanical	Materials today	2021	2214-7853
4	Stir zone stress corrosion cracking behaviour of friction stir welded AA7075-t651 aluminium alloy joints-	Dr.P.Prabhu Raj	Mechanical	Corrosion review journal- De Gruyter	2021	2191-0316

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5	Differential Gear Box to reduce vibration using different materials for vehicles -A Review	Prasad Matam, Dr.A.Rajasekhar	Mechanical	TURCOMAT	2021	1309-4653
6	Design and development of servo stabilization system for airborne radar applications	Prasad Matam	Mechanical	Academia Journal of scientific research, USA	2021	2315-7712
7	Modelling and analysis of differential gearbox in vehicles	Prasad Matam, Dr.A.Rajasekhar	Mechanical	International journal of Future generation communication and networking	2021	2233-7857
8	Increasing Performance of Thermal Processes in Healthcare units under HVAC system: A Critical Review	Dr. M Udaya Kumar	Mechanical	IJARSCMT	2021	ISSN (ONLINE 2582-9327 PP 12-15 IF-5.731
9	SUPPORT VECTOR MACHINE AND FEATURE SELECTION BASED POTIMIZATION FRAMEWORK FOR BIGDATA SECURITY	Mrs. G Saritha	CSE	IJARET	2020-21	ISSN Print: 0976-6480
10	Security Implementation to Cyber Physical System by an Innovative Inverse FlipCryp Algorithm	Dr. M. Sharada Varalakshmi	CSE	JSST	2020-22	<u>ISSN 0038-111X</u> <u>Vol. 63 No. 2s</u> <u>(2020)</u>
11	Security Implementation to Cyber Physical System by an Innovative Inverse FlipCryp Algorithm	Dr. P.Lavanya	CSE	JSST	2020-22	<u>ISSN 0038-111X</u> <u>Vol. 63 No. 2s</u> <u>(2020)</u>

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12	Methods and developments in Machine Learning Approach – A Review	Mr. D Rajashekar	CSE	JOICS	2020-24	ISSN 1548-7741
13	An Experimental Study On The Bond Strength Of Triple Blended Steel Fibre Self Compacting Concrete	Dr.B.L.P.Swami	Civil	High technological letters	Sep-20	ISSN NO : 1006-6748
14	Effect of Metakaolin and Condensed Silica Fume on the Rheological and Structural Properties of Self-Compacting Concrete	Dr.B.L.P.Swami	Civil	Civil Engineering and Architecture Volume 8, Issue 5	Oct-20	ISSN :1057-1062
15	Properties of High Strength Concrete With ballast fiber and Fly ash-An experimental study	Dr.B.L.P.Swami	Civil	High technological letters	Jan-21	ISSN NO : 1006-6748
16	Hydrological modeling with respect to impact of land-use and land-cover change on the runoff dynamics in Budhabalanga river basing using ArcGIS and SWAT model	Dr.Bandita Naik	Civil	ELSEVIER	Aug-21	ISSN: 2352-9385
17	A Novel Proficient Secure Routing Strategy In Mobile Ad Hoc Frame Using Heuristic-Based Load Balancing Protocol	T.V. Suresh Kumar, Dr. Prabhu G Benakop	EEE	Solid State Technology	2020	0038-111X
18	Direct-driven PMSG based wind energy conversion system with a neutral point clamped grid-side converter	Y Mastanamma, Dr. D Subbarayudu	EEE	The international journal of analytical and experimental modal analysis	2020	0886-93672

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19	A Secure Routing Protocol for MANET using Neighbor Node Discovery and Multi Detection Routing Protocol	T.V. Suresh Kumar and Dr. Prabhu G Benakop	EEE	International Journal of Engineering Trends and Technology (IJETT) – Volume 68 Issue 7 - July 2020	2020	ISSN: 2231-5381
20	Designing an efficient forecasting routing protocol to secure the mobile ad hoc network communication	T.V. Suresh Kumar and Dr. Prabhu G Benakop	EEE	Bulletin Monumental	2021	e-ISSN 0007-473X
21	CmosRf Transceiver For Wireless Sensor Networks In Medical Field	Chandrasekhar Kandagatla , Dr.Prabhu G. Benakop	EEE	International Journal of Future Generation Communication and Networking	2021	ISSN:2233-7857
22	CMOS Applications and Implementation Procedure of Wireless Multimedia Sensor Network	Chandrasekhar Kandagatla, Dr. Prabhu G. Benakop	EEE	Design Engineering	2021	ISSN:119342
23	Progress in Biomedical Field with an Advancement of CMOS RF Transceiver Using Wireless Sensor Network	Chandrasekhar Kandagatla, Dr. Prabhu G. Benakop	EEE	Design Engineering	2021	ISSN:119343
24	Portable Hybrid Power Bank	Dr. Raghu Chandra Garimella Bhavani Shankar T. Raghavendra Nayak Khethavath	EEE	Australian Patent (Granted)	2020	NA
25	Solar Powered Hybrid Energy Bank	Dr. Raghu Chandra Garimella Bhavani Shankar T. Raghavendra Nayak Khethavath	EEE	Indian Patent (Granted)	2020	NA

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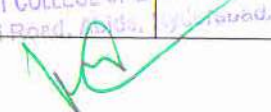
26	Dronebot – A Hexacopter Based Personal Assistant	Dr. Raghu Chandra Garimella Dr. Siva Ramakrishna Madeti	EEE	Australian Patent (Granted)	2020	NA
27	Sensor Operated Automatic Potion (S.O.A.P.) Dispenser	Dr. Raghu Chandra Garimella Radhakrishna Neetoori Pavani Gandreti	EEE	Australian Patent (Granted)	2020	NA
28	Punaryupayoga Dhanda Dipa Vyavastha- A System That Illuminates Failed Fluorescent Tube Light Without A Choke Or Ballast	Dr. Raghu Chandra Garimella P. Rajinikanth	EEE	Australian Patent (published)	2020	NA
29	Wireless Monitoring Of Pv Module Characteristics	Dr. Raghu Chandra Garimella P. Rajinikanth	EEE	Australian Patent	2021	NA
30	Remote Controlled Air Vehicle Based Sanitizing System With Payload Carrier	Dr. Raghu Chandra Garimella Namburi Nireekshan Jarapala Ramesh Babu	EEE	Indian Patent (published)	2021	NA
31	Microcontroller Based Inifinisimal Neutralized Infectious Cide(M.I.N.I. Cide)	Dr. Raghu Chandra Garimella Dr. Prabhu G. Benakop Namburi Nireekshan Jarapala Ramesh Babu	EEE	Indian Patent (published)	2021	NA
32	Avidyutha Dvichakra Vahana-An Electric Bicycle	Dr. Raghu Chandra Garimella Mr. J. Ramesh Babu Mrs. Y mastanamma	EEE	Indian Patent (filed)	2021	NA

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33	Vidyutha Traya Chakra Vahana-A Hybrid Electrical Cycle	Dr. Raghu Chandra Garimella Mr. J. Ramesh Babu Mrs. Y mastanamma	EEE	Indian Patent (filed)	2021	NA
34	Abhigna Vidyut Samputah- A Smart Electric Extension Box	Dr. Raghu Chandra Garimella Mrs. Y mastanamma Mr. J. Ramesh Babu	EEE	Indian Patent (published) Australian (filed)	2021	NA
35	Bitti Astita Nagarata Nistantri Samvidha - A Wall Mounted Smart Wiring System	Dr. Raghu Chandra Garimella Nane Swarnadh Satapathi Mrs. Y mastanamma	EEE	Australian (Granted)	2021	NA
36	Parinata Vidyut Samyutanam- An Advanced Electric Extension Box	Dr. Raghu Chandra Garimella Nane Swarnadh Satapathi Mrs. Y mastanamma	EEE	Australian (Granted)	2021	NA
37	Unnamed Aerial Vehicle (Uav) Based Sanitizing System	Dr. Raghu Chandra Garimella Namburi Nireekshan	EEE	Australian (Granted)	2021	NA
38	Studies on 4 - dimethylaminopyridinium salicylate monohydrate's optical, mechanical, and laser damage threshold	A. Arun kumar,	Department of Physics	Solid state communications	2021	0038-1098
39	'Synthesis, Growth, Structural, Spectral and Optical studies on 2-amino-4-picolinium 4-hydroxybenzoate single crystals Volume 47, Part 14, 2021, Pages 4772-	Dr.A.Arun kumar	Department of Physics	Materials Today Proceedings	2021	2214-7853

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40	'Organic piperazine p-nitrophenol (PPN) single crystal growth and characterization', , Volume 47, Part 14, 2021, Pages 4741-4745.	Dr.A.Arun kumar	Department of Physics	Materials Today Proceedings	2021	2214-7853
41	'Nucleation, Dielectric, And Ferro Electric Studies of Potassium Succinate- Succinic Acid (KSSA) Crystals, , Volume 47, Part 14, 2021, Pages 4852-4860.	Dr.A.Arun kumar	Department of Physics	Materials Today Proceedings	2021	2214-7853
42	Investigation of Electrical Properties of Pure and Thallium Chloride Doped Poly Vinyl Alcohol Polymer Electrolyte Films	Dr. K.Anuradha Reddy	Department of Physics	Indian Patent (published)	2021	202141004475A
43	A Common Fixed Point Theorem For Compatible Mappings Of Type (C)	Dr.Swathi Mathur	Mathematics	Indian Patent (published)	2021	202141006283 A
44	Synthesis, Crystal Structure, Spectral And Thermal Properties Of 4-Dimethylaminopyridinium Salicylate Monohydrate	Dr.A.Arun kumar	Department of Physics	Indian Patent (published)	2021	202141034416 A
45	Growth, Structural, Thermal, Optical, And Electrical Properties Of Potassium Succinatesuccinic Acid Crystal	Dr.A.Arun kumar	Department of Physics	Indian Patent (published)	2021	202141033202 A
46	Creating A Self-Assessment Tool For An English-Language-Teacher And Its Implementation	I.V.Sona Lakshmi and Ms. J. R. Hephzabah	English	Indian Patent (published)	2021	202141037269 A

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47	Estimation of Number of Levels of Scaling the principal Components in Denoising EEG Signals	Dr.B.Krishna kumar	ECE	Biomedical and Pharmacology Journal	Mar-21	ISSN:0974-6242 e- ISSN:2456-2610
48	Risk Factor Analysis of COVID-19	Dr.John William Carey M	ECE	International Journal of Current Research and Review	Nov-20	ISSN:2231-2196,ISSN:0975-5241
49	Effect of Sampling Frequency on SNR in the Removal of Ocular Artifacts in EEG Signals using Wavelets	Dr.B.Krishna kumar	ECE	i-manager's Journal on Digital Signal Processing(JDP)	Jun-20	2322-0368
50	Effect of Bright Light on EEG Ocular Artifacts	Dr.John William Carey M	ECE	International Journal of Control and Automation	Jul-20	2005-4297
51	Framework Design and Simulation of VANET Vehicle Positioning using Two Stage Sigma Point Kalman Filter (TSSPKF)	Dr. Ravi M Yadahalli	ECE	International Journal of Grid and Distributed Computing	2021	ISSN: 2005-4262IJGDC
52	Parametric Study of Ring Coupled and Strip Connected Ring Coupled With Different Orientations for Wireless Multiband	Dr. Ravi M Yadahalli	ECE	Design Engineering	2021	ISSN: 0011-9342
53	Short time Contact bell push switch	Dr. Ravi M Yadahalli	ECE	Indian Patent (published)	2021	202141042248 A



54	Foot operated hand sanitizer	Dr. Ravi M Yadahalli	ECE	Indian Patent (published)	2021	202147033693 A
55	Hand Held UV Light sanitizer	Dr. Ravi M Yadahalli	ECE	Indian Patent (published)	2021	202111027089A



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