

Report

On

3-Day Online Workshop on Virtual Hands-on training on Tinkercad with IoT control

(25-27' June, 2021)

Organized by

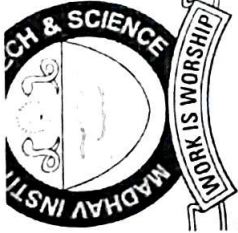
Electrical Engineering Department



Madhav Institute of Technology and Science, Gwalior, MP.
(A Govt. Aided UGC Autonomous & NAAC Accredited Institute, Affiliated to R.G.P.V. Bhopal)

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MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE GWALIOR

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Electrical Engineering Department

3-Day Online Workshop on

Virtual Hands-on training on Tinkercad with IoT control (25-27 June, 2021)

About the Workshop

This Workshop aims to impart the understanding of the rapid prototyping of Electronic components using online available Tinkercad software. Participants will be exposed to various electronic circuits controlled by Arduino Microcontroller and will also learn to control different projects via IoT. The workshop will motivate the participants to learn various skills needed to control domestic and industrial equipment/ appliances in real life.

Registration Details

- **Participants:** EED Faculty
- No registration Fee
- **Registration Link:**

<https://forms.gle/VRNfA7RQAgw1Atk6>

Contact Persons

Prof. Praveen Bansal
+91-9827577549

Prof. Saurabh K Rajput
+91-9555969573

pbansal44@mitsgwalior.in

saurabh9march@mitsgwalior.in

Outcome of Workshop

1. Basic Programming Skill of Arduino Microcontroller.
2. Hands-on skill of bread board wiring.
3. Configurations & their realization for various applications.
4. Internet of Thing (IoT) for controlling electronic circuits.

Coordinators

- Prof. Kuldeep Swarnkar, Asst Professor
- Prof. Vishal Chaudhary, Asst Professor
- Prof. Praveen Bansal, Asst Professor
- Prof. Saurabh Kr Rajput, Asst Professor

E-Certificates will be given after successful participating in all sessions

Registration details

Candidates Registered for the Workshop				
SN	Name	Mobile Number	Email	Designation
1	SHAIENDRA P SINGH	8299455435	sh1ile9dr1@gmail.com	Assistant Prof
2	Dr. Hemlata Shakya	9628140971	hshakya.rs.bme13@mitsgwalior.in	Assistant Prof
3	Dr. Shishir Dixit	8989827830	shishir.dixit1@mitsgwalior.in	Associate Prof
4	Manoj Kumar	7017460853	manoj Singh716@mitsgwalior.in	Assistant Prof
5	TARUN SHRIVASTAVA	8085373176	tarunmitsmanit08@mitsgwalior.in	Assistant Prof
6	Aprajita kumari	882522450	aprajita.iitdhn@gmail.com	Assistant Prof
7	Ashis Patra	9425755085	prof_patra@mitsgwalior.in	Associate Prof
8	Himmat Singh Ahirwar	9826501588	ahirwar.himmat@mitsgwalior.in	Assistant Prof
9	Rahul Sagwal	7015794062	rahul.sagwal90@gmail.com	Assistant Prof
10	Dr. Vikram	9466500027	ivikramsaini@mitsgwalior.in	Assistant Prof
11	Bhavna Rathore	7275765537	rathore.puja@mitsgwalior.in	Assistant Prof

11. Name ke: list

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Electrical Engineering Department

**3-Day Online Workshop on Virtual Hands-on training on Tinkercad
with IoT control (25-27'June, 2021)**

Workshop Schedule

Day-1 schedule (25.06.2021)

SN	Name of Faculty	Title	Time
1	Prof. Saurabh K Rajput	Introduction to Arduino & Tinkercad	11.00 AM – 11.45 PM
2	Prof. Saurabh K Rajput	Electrical load (LED) control	12.00 PM – 12.45 PM
Lunch Hours: 01.00 PM – 02.00 PM			
3	Prof. Kuldeep Swarnkar	Circuit Design-1	02.00 PM – 02:45 PM

Day-2 schedule (26.06.2021)

SN	Name of Faculty	Title	Time
1	Prof. Praveen Bansal	Servo Motor Control	02.00 PM – 02:45 PM
2	Prof. Praveen Bansal	DC Motor Control	12.00 PM – 12.45 PM
Lunch Hours: 01.00 PM – 02.00 PM			
3	Prof. Kuldeep Swarnkar	Circuit Design-2	11.00 AM – 11.45 PM

Day-3 schedule (27.06.2021)

SN	Name of Faculty	Title	Time
1	Prof. Vishal Chaudhary	Sensor Control -1	11.00 AM – 12.00 PM
2	Prof. Vishal Chaudhary	Sensor Control-2	12.00 PM – 01.00 PM
Lunch Hours: 01.00 PM – 02.00 PM			
3		Project /Quiz	02.00 PM – 03.00 PM

Video call link: <https://meet.google.com/jxx-cvbr-smf>

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Madhav Institute of Technology and Science, Gwalior, MP.

Electrical Engineering Department

3-Day Online Workshop on Virtual Hands-on training on Tinkercad with IoT control (25-27 June, 2021)

Candidates Registered for the Workshop		Registration status	Attendance (%)	Feedback Status	Eligible for Certificate			
SN	Name					Number	Email	Designation
1	SHAILENDRA P SINGH	8299455435	sh1le9dr1@gmail.com	Assistant Prof	Y	50	Y	
2	Dr. Hemlata Shakya	9628140971	hshakya.rs.bme13@mitsgwalior.in	Assistant Prof	Y	40	N	
3	Dr. Shishir Dixit	8989827830	shishir.dixit1@mitsgwalior.in	Associate Prof	Y	100	Y	
4	Manoj Kumar	7017460853	manojkumar716@mitsgwalior.in	Assistant Prof	Y	50	N	
5	TARUN SHRIVASTAVA	8085373176	tarunmitsmanit08@mitsgwalior.in	Assistant Prof	Y	16	Y	
6	Aprajita kumari	882522450	aprajita.iitdhn@gmail.com	Assistant Prof	Y	0	N	NO
7	Ashis Patra	9425755085	prof_patra@mitsgwalior.in	Associate Prof	Y	40	Y	
8	Himmat Singh Ahirwar	9826501588	ahirwar.himmat@mitsgwalior.in	Assistant Prof	Y	67	Y	
9	Rahul Sagwal	7015794062	rahul.sagwal90@gmail.com	Assistant Prof	Y	0	N	NO
10	Dr. Vikram	9466500027	ivikramsaini@mitsgwalior.in	Assistant Prof	Y	67	Y	
11	Bhavna Rathore	7275765537	rathore.puja@mitsgwalior.in	Assistant Prof	Y	40	Y	

Y- Yes
N- No

Workshop Coordinators:

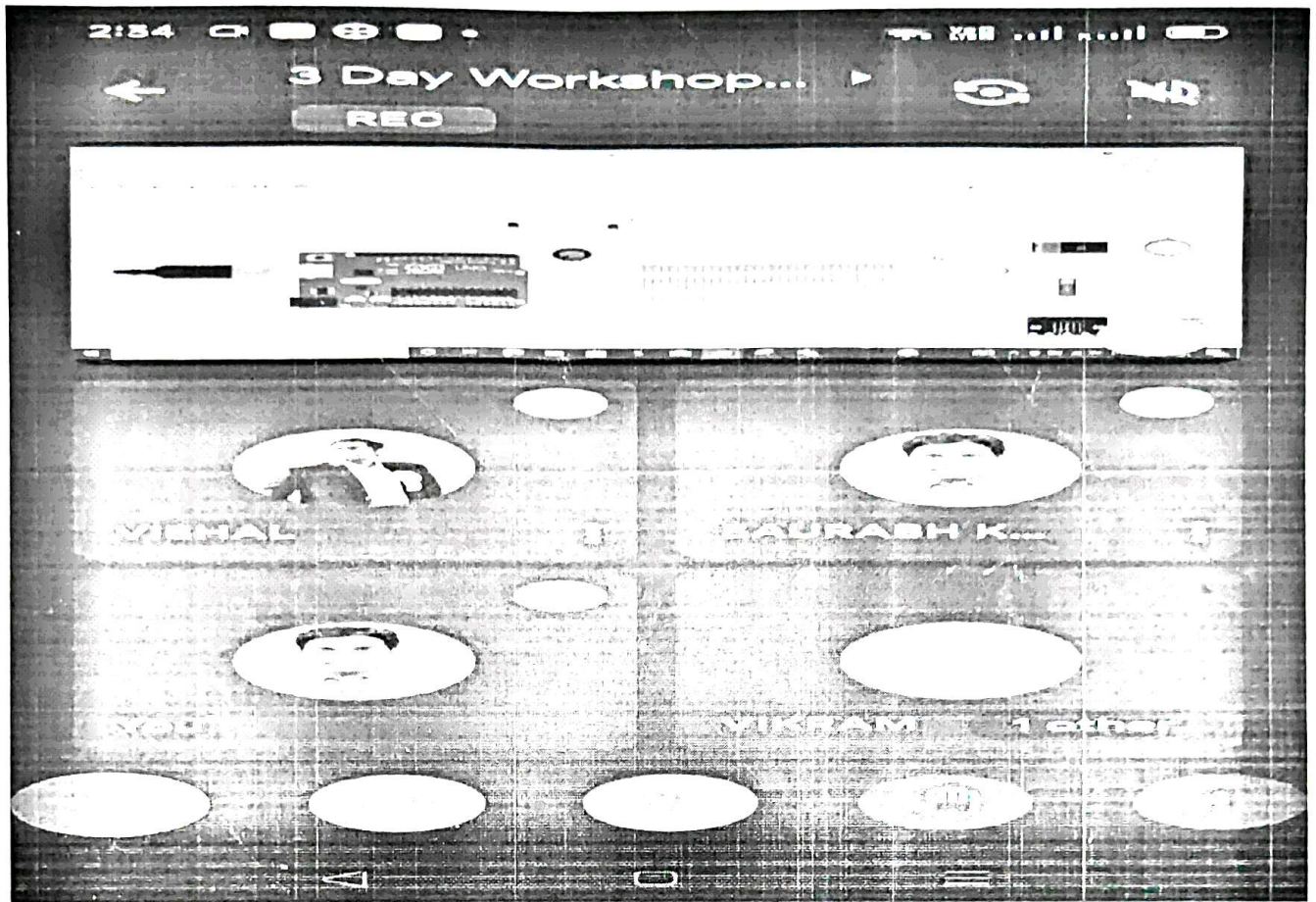
C. Mishra
Prof. Saurabh K Rajput

Vishal
Prof. Vishal Chaudhary

Praveen Bansal
Prof. Praveen Bansal

Kuldeep Swarnkar
Prof. Kuldeep Swarnkar

On-line conduction of workshop



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Madhav Institute of Technology and Science, Gwalior, MP.
Electrical Engineering Department

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Timestamp	Name	Email	How satisfied are you with the Workshop Contents.	How satisfied are you with the Workshop Contents Delivery.	How satisfied are you with the Presentation, Voice quality, material etc.	Is sufficient time given for Questions?	Any difficulty faced during the Finishing Workshop	Tell us How the Workshop can be improved?	Any Other Comment ?
6/27/2021 14:33:39	Dr. Vikram	ivikramsaini@mitsgwalior.in	4	4	4	Yes	No	Practice Session should be included.	Very Informative Sessions.
6/27/2021 14:42:22	Dr. Shishir Dixit	shishir.dixit1@mitgwalior.in	4	4	4	Yes	No	It was well organized, and intrative, and	Nicely organized
6/27/2021 16:50:29	SHAILENDRA PRATAP SINGH	sh1ile9dr1@gmail.com	3	3	3	Yes	Lot of time was taken for admitting in the meeting.	NA	
6/27/2021 17:25:25	KULDEEP KUMAR SWARNKAR	kuldeepkumarsony@mitsgwalior.in	4	4	4	Yes	No	Nil	V good
6/27/2021 19:14:24	TARUN SHRIVASTAV	tarunmitsmanit08@mitsgwalior.in	4	3	4	Yes	No	More practical sessions	No
6/27/2021 20:15:22	Bhavna Rathore	rathore.puja@mitsgwalior.in	3	3	3	Yes	Yes, sometimes speaker forgotten to allow me in the	Please include audience from the other department also.	
6/27/2021 20:32:05	Ashis patra	Prof_patra@mitsgwalior.in	3	4	3	Yes	no	ok	ok
6/27/2021 23:45:54	Himmat Singh	ahinwar.himmat@mitsgwalior.in	4	4	4	Yes	no	may be more practically	all sessions are very nice and
Average			3.625	3.625	3.625	5			

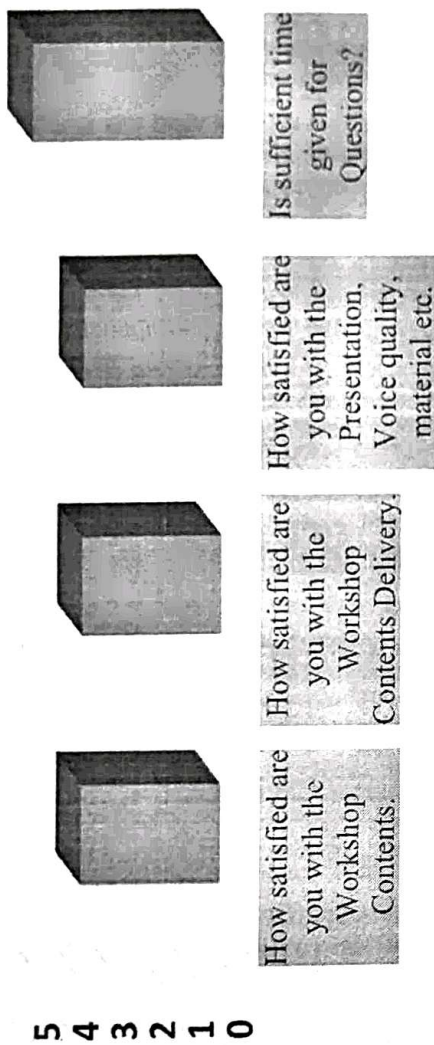
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Graphical representation of Feedback points

How satisfied are you with the Worksho	3.625
How satisfied are you with the Worksho	3.625
Contents How satisfied are you with the Presentation, Voice quality, material etc.	3.625
Is sufficient time given for	5

Graphical Representation of feedback



Suggestions by the Participants

- It is suggested by the participants that practical session must be included. In this regard the team has decided that- after Covid penedemic, hands-on the workshop will be organized with practice on hardware also
- Include audience from other departments also
Yes, from next time we will try to include audience from other departments like EC, CS, IT also.

Difficulty faced by Participants

Some times speaker forgotten to allow me in the meeting for a longer time. It was already informed to all the participants that join the workshop in time. We allowed only 10 min delay in joining workshop sessions.

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Certificate of Participation

MITG/EED/2021/WS/P-03

Certified that

Dr. Shishir Dixit

..... of Electrical Engineering Department, MITG Gwalior.....
has attended the 3-Day Online Workshop on *Virtual Hands-on Training on Tinkercad with IOT Control* organized by Department of Electrical Engineering, under IQAC during 25th - 27th June, 2021.

Prof. Praveen Bansal
Coordinator

Prof. Kuldeep Kumar Swarnkar
Coordinator

Dr. Laxmi Srivastava
Head of Department

Workshop Coordinators



Prof. Saurabh K Rajput
Assistant Professor, EED


28.06.2021

Prof. Vishal Chaudhar
Assistant Professor, EED



Prof. Praveen Bansal
Assistant Professor, EED



Prof. Kuldeep Swarnkar
Assistant Professor, EED



Dr. Laxmi Srivastava
Professor & Head, EED