

**ELECTRICAL ENGINEERING DEPARTMENT**

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**List of short-term Courses, workshop arranged and course modules developed**

**FDP/ STC Organised**

<b>S. No.</b>	<b>Title of Event</b>	<b>Date/Duration</b>
1	BioElectric Signals and Medical Imaging: Post Processing & Clinical Application	26 <sup>th</sup> Feb-8 <sup>th</sup> March, 2019
2	Optimization Techniques using Nature Inspired Algorithm for Engineering Applications	13 <sup>th</sup> -17 <sup>th</sup> Feb, 2019
3	Recent Advances in Electrical Engineering	1 <sup>st</sup> -5 <sup>th</sup> March, 2016
4	Simulation Techniques of Power Electronics Controllers	12 <sup>th</sup> - 16 <sup>th</sup> May, 2015
5	Nature Inspired Optimization Techniques for Engineering Applications	2 <sup>nd</sup> -6 <sup>th</sup> Dec., 2013

# MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR-5

(A Govt. Aided UGC Autonomous & NAAC Accredited Institute Affiliated to RGPV, Bhopal)

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### Workshops Organised

S. No.	Title of Event	Date/Duration
1.	Online Debate Activity on “Will robots reduce human employment?”	07.Nov..2020
2.	Online Training/Workshop on PSCAD software in association with Nayak Power Systems Private Limited	25-26 th Sept 2019- 20
3.	National Level Online Quiz On “ Electrical Engineering Problems ”	05Sept. .2020
4.	In House interactive workshop on Analysis of Stakeholder feedback	05.Sept..2020
5.	Online National Workshop on Robotics and Industrial Automation	20 June 2020
6	Advanced Optimization Techniques and Research Directions	16th -17th Feb, 2019
7	Energy Audit and Management	29th Sep,2018
8	Entrepreneurship Development Program in Solar PV Energy	28th July, 2018
9.	How to Write Patent	21th July, 2018
10.	Artificial Intelligence	17th March, 2018
11	Smart Grid Technologies	6th Feb, 2017
12.	Renewable Energy: Opportunities and Challenges	6th Sept, 2016
13.	Application of MATLAB in Electrical Engineering	14th -15th Oct, 2015
14	Software Tools for Industrial Drives & Instrumentation	24th March, 2015
15	Renewable Energy Based Power Generation: Option and Challenges	14th Sep, 2013

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**Seminars Organised**

<b>S. No.</b>	<b>Title of Event</b>	<b>Date</b>
1	Sustainability & alternate Source of Energy	10th April 2019
2	E-Vehicle – An alternate urban commuting	5th Oct 2019
3	Advances in Solar & Wind Power Technologies	15th Feb, 2017
4	Renewable Energy and Micro-grid	16th March, 2016

**VALUE ADDED COURSE MODULES**

<b>S. No.</b>	<b>Title of Event</b>	<b>Date /Duration</b>
1.	MATLAB For Engineers	Jan – June 2019

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**SUMMER INTERNSHIP (SIP) MODULES**

<b>S. No.</b>	<b>Title of Event</b>	<b>Date /Duration</b>
1	Designing and modelling of Electrical Components	28th May - 14th June 2019
2	Designing and modelling of Electronics Components	28th May - 14th June 2019
3	Introduction to MATLAB programming for Engineering applications	28th May - 14th June 2019
4	Electricity usage for Domestic and Industrial application	28th May - 14th June 2019
5	Hands on Training on Signal/ Image Processing Toolbox in MATLAB	28th May - 14th June 2019
6	Introduction to Solar Photovoltaic and application of power Electronics switches in Solar Inverter	28th May - 14th June 2019
7	Designing and modelling of Electrical Components	30th May - 14th June 2018
8	Designing and modelling of Electronics Components	30th May - 14th June 2018
9	Introduction to MATLAB programming for Engineering applications	30th May - 14th June 2018
10	Electricity usage for Domestic and Industrial application	30th May - 14th June 2018