

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA
माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत

A GOVT. AIDED UGC AUTONOMOUS & NAAC ACCREDITED INSTITUTE, AFFILIATED TO R.G.P.V BHOPAL (M.P)

Report of Summer Internship Programme

For

Academic Session: May-June- 2020

I Q A C
Internal Quality Assurance Cell
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR
(A Govt. Aided UGC Autonomous NAAC Accredited Institute Affiliated to RGPV Bhopal)

Summer Internship Program for UG I Year Students

May-June 2020

Department has organized summer internship program for UG I year students on 11th May to 28th May 2020.

**Two Week
Online Summer
Internship
Programme- 2020**
For
B.E/ B.Tech/BArch Students
For I Year : 11th May to 28th May 2020
For II Year: 11th May to 28th May 2020




Est. 1957
**Organized by
Madhav Institute of Technology &
Science, Gwalior, M.P.**
(A Govt. Aided UGC Autonomous & NAAC Accredited
Institute affiliated to R.G.P.V. Bhopal, M.P.)
www.mitsgwalior.in

ABOUT SUMMER INTERNSHIP

Internships are educational and career development opportunities, providing practical experience in a field or discipline. Following are the intended objectives of online internship training

- Provide possible opportunities to learn, understand and sharpen the real time technical skills required at the job
- Get exposed to the current technological developments relevant to the subject area of training.
- Use the experience gained form the Internship in discussions held in the online classrooms
- Create conditions conducive to quest for knowledge and its applicability on the job.
- Learn to apply the Technical knowledge in real life situations.
- Gain experience in writing reports in Technical works/projects.
- Expose students to the engineer's responsibilities and ethics
- Soft Skills

ORGANIZING COMMITTEE

Patron Er. Ramesh Agrawal	Secretary, Scindia Engg. College Society
Chairman Dr.R.K. Pandit	Director
Coordinator Dr. Rajeev Kansal	Dean Student Welfare
Co-Coordinator I Year	
Prof. Praveen Bansal	Assistant Professor ,EED
Prof. Swati Gupta	Assistant Professor ,Ch.ED

Co-Coordinator II Year
Dr. Sanjeev Khanna Associate Professor, Humanities

ELIGIBILITY

Students pursuing I & II Year BE/BTech in any branch of Engineering & B Arch from recognized Academic Institutions/ Universities.

ABOUT THE INSTITUTE

Madhav Institute of Technology & Science, Gwalior was established in 1957 by His Highness Late Sir Jiwaji Rao Scindia, Maharaja, of the erstwhile state of Gwalior.

The foundation stone of the Institute was laid by Late Dr. Rajendra Prasad, on 20th October, 1956 and the building was inaugurated by Late Dr. S. Radha Krishnan on 11th December, 1964. The president of India, Dr. Pratibha Devi Singh Patil graced the Golden Jubilee Celebrations of the Institute as Chief Guest on 30th June, 2008.

The Institute has a campus of around 45 acres. The Institute offers education in eleven undergraduate programmes and twenty-one PG programmes. The prime objective of the Institute is to provide quality technical education at undergraduate and postgraduate levels. Recently the Institute is also funded by World Bank under TEQIP-III to strengthen the quality of technical education.

RESOURCE PERSONS

The various sessions of this internship program will be conducted by Faculty members of MITS Gwalior.

INTERNSHIP MODULES

Modules offered for I Year (BE/B.Tech/BArch)

- Civil Engineering Department**
 - Advancing From BASICS By Practicing Through "VIRTUAL LABS" In Civil Engineering
 - Basics Of Python and Its Applications In Civil Engineering
 - Civil Engineering Structural Elements Drawing Using Autocad
- Mechanical Engineering Department**
 - State Of Art Of Ground Vehicles
 - Introduction to Auto CAD For Engineering Applications
 - Solid works with GD&T
 - Visualization And Learning Of Repair And Maintenance of a Vehicle
 - Descriptive Statistics With Python
- Electrical Engineering Department**
 - Hands On Training On MATLAB / SIMULINK
 - Introduction To Solar Systems & Solar Photovoltaic (PV) Modelling Using PV-syst Software & Simulink
 - Numerical Computational Techniques Using MATLAB
 - Hands On Training On OCTAVE (An Open Source Software)
 - Electricity Usage for Domestic & Industrial Applications.

- Electronics Department**
 - Electronic Circuit Design Using LT-spice
 - Python For Engineers
 - Training On Sci-Lab
- CSE & IT Department**
 - Analytics Using R Tool
 - Internet Of Things (IoT)
 - Python Programming With Applications To Machine Learning
 - Front end web developer
 - Google Services
- Chemical Engineering Department**
 - Chemical Reaction Engineering: A Flyover Between Nano And Macro World
 - Introduction To Analytical Instruments
 - Introduction Of Mineral Processing And Challenges
- Applied Science Department**
 - Chromatographic Techniques And It's Application
 - Uses Of Fiber Optics In Current Scenario
 - Applications Of Lasers In Engineering , Technology, Space & Medical Science
 - Differential Equations And Its Application
 - Discrete Mathematics And It's Application
- Architecture Department**
 - Digital Painting
 - Built & Cultural Heritage
- Counselling Cell**
 - Pro Social Behaviour
 - Personal Growth: Becoming A Better "You"

Modules offered for II Year (BE/B.Tech/BArch)

- Humanities Department
 - Soft Skills

HOW TO APPLY/REGISTRATION

MITS STUDENTS

It is mandatory for all students of I & II year B.Tech./ B.Arch. to attend the online Summer Internship. For registration link is available on institute website. **No fees is to be paid.**
For I Year: Registration will start at 11.00 AM on 28th April 2020.
For II Year: All regular students are automatically registered.

STUDENTS OTHER THAN MITS

Students of other Institutes interested to enrol for the online Internship are required to do online registration through link available on Institute Website www.mitsgwalior.in. They are required to make payment of the fees applicable for Internship as follows:

I Year:	Internship fee Rs. 1000/-+ GST(18%)
II Year:	Internship fee Rs. 1000/-+ GST(18%)

Payment has to been done online and only after successful payment, the registration process will be completed.
Fees once paid will not be refunded.
Registration will start at 11.00 AM on 28th April 2020.
The selection is on first come first served basis, depending upon the availability of the seats.
Last Date of Registration is 5th May 2020.

Dates

- For I Year : 11th May to 28th May 2020
- For II Year: 11th May to 28th May 2020

Assessment

Assessment and evaluation of the performance will be done by respective Module Coordinator. E-certificate will be issued to outside students after successful completion of course.

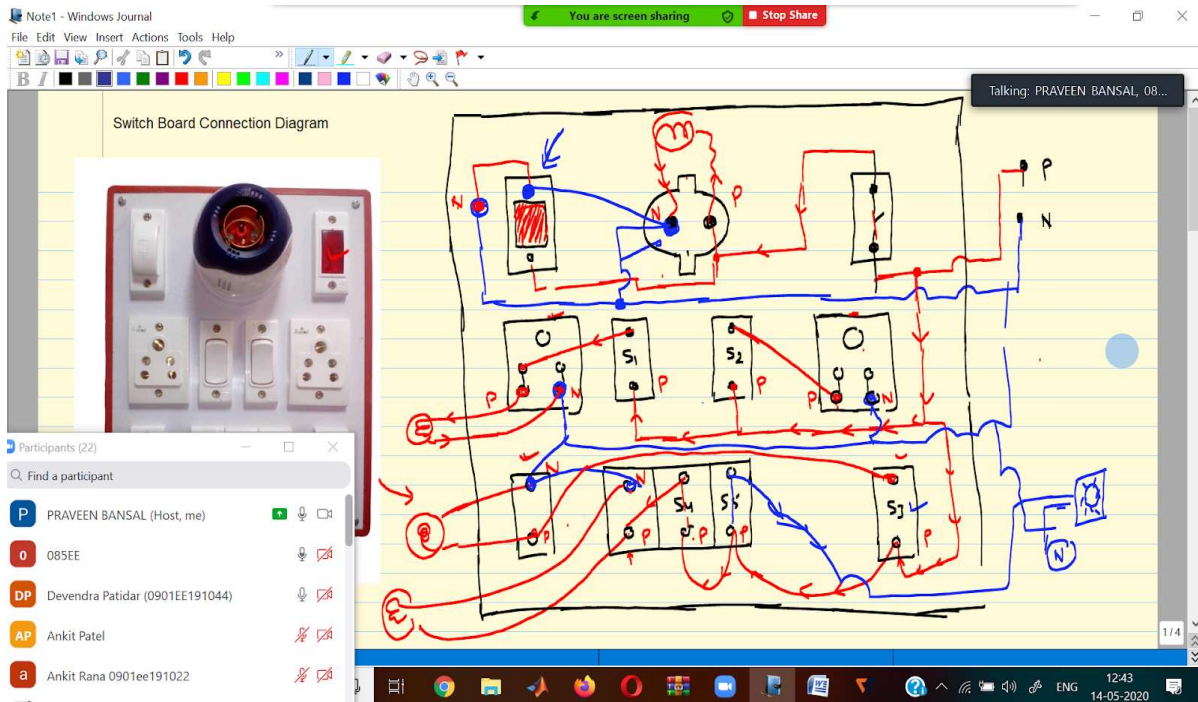
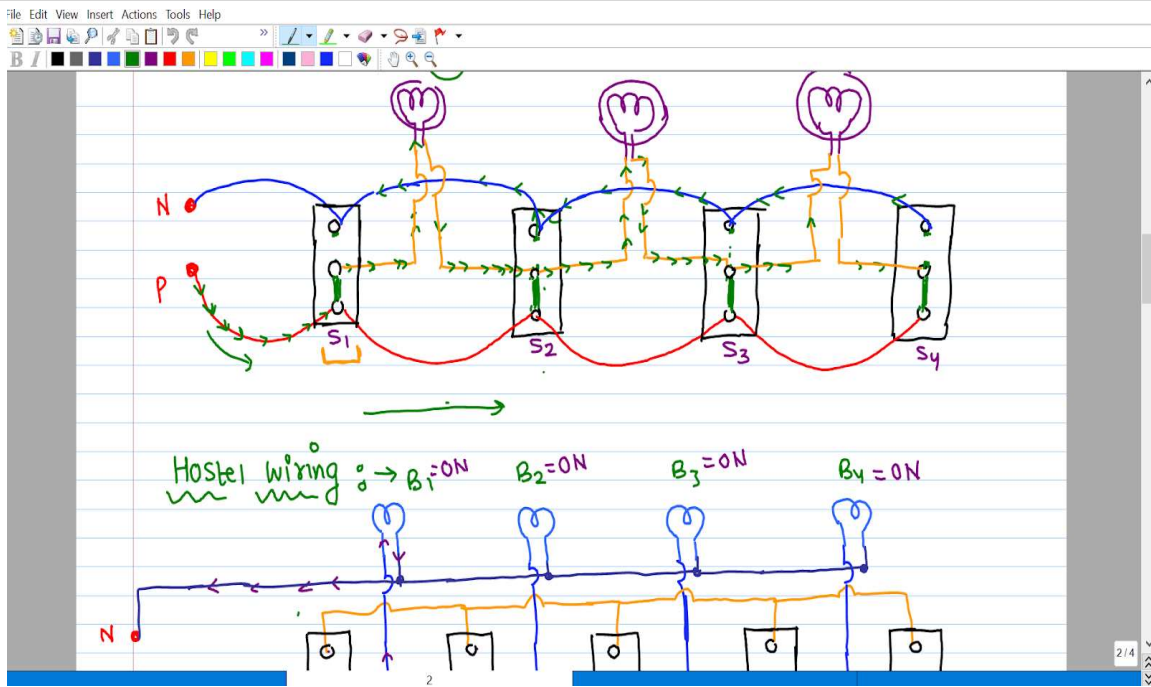
For more information contact :

Prof. Praveen Bansal (9827577549)	I Year
Prof. Swati Gupta (9977820544)	I Year

P. Bansal

Prof. Praveen Bansal
Assistant Professor
EED

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Electricity usage for Domestic & Industrial applications.

S.No.	Name of Department	Name of Modules	Module Coordinators	Email ID	Registration till date
1.	Electrical Engineering	Hands on Training on MATLAB / SIMULINK	Ms. Bhavna Rathore Mr. Rahul Sagwal Mr. Shailendra Pratap Singh	rathore.puja@mitsgwalior.in rahul.sagwal90@mitsgwalior.in sh1ile9dr1@mitsgwalior.in	49
2.		Introduction to Solar systems & Solar Photovoltaic (PV) Modeling using PVsyst Software and Simulink	Prof Saurabh K Rajput Prof. AparajitaKumari Prof. ShwetaKumari	saurabh9march@mitsgwalior.in, Aprajita.iitdhn@gmail.com, shweta.in33@gmail.com	12
3.		Numerical Computational Techniques using MATLAB	Dr. Vikram, Mr. G. K. Naveen Mr. Nipun Gupta	ivikramsaini@mitsgwalior.in, gknaveenkmr2013@mitsgwalior.in, nipun.gupta2212@mitsgwalior.in	09
4.		Electricity usage for Domestic & Industrial applications.	Prof. Vishal Chaudhary Prof. Praveen Bansal Prof. KuldeepSwankar	kuldeepkumarsony@mitsgwalior.in vishal.chaudhary30@mitsgwalior.in pbansal444@mitsgwalior.in	26
5.	Mechanical Engineering/ Automobile	State of art of ground Vehicles	Dr. Dharmendra Jain, Prof. Krishan Kumar Yadav & Prof. Ajay Singh Rajput	dharm.aauto@mitsgwalior.in kkmnit2k13@mitsgwalior.in asrajput1992@gmail.com	19
6.		Introduction to Auto CAD for Engineering Applications	Prof.SharadAgrawal Prof.UtkarshSrivastava	sharad.mits03@gmail.com utkarshsri.mits@gmail.com	62
7.		SOLIDWORKS with GD&T	Prof.Vaibhav Gupta Prof. Narindra Singh Sikharwar	Vaibhavgupta77642@gmail.com iitr.narendra@gmail.com	19
8.		Visualization and learning of repair and maintenance of a vehicle	Prof. Shubham Shrivastava, Prof. Subhash Chand Pal Prof. Sumeetkumar singh	shubham@mitsgwalior.in, subashmiet105@gmail.com, smt19990@gmail.com	72
9.		Descriptive Statistics with Python	Prof. Sarvesh Kumar Yadav Prof. Gayanesh Saran	sarveshyadav2820@gmail.com, amratkumardhamneya@gmail.com, gyaneshsharan@gmail.com	13

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			Dr. Amrat Dhamniya		
10.	CSE&IT	Analytics using R Tool	Prof. Arun Kumar	arun.vsrana@mitsgwalior.in	21
11.		Internet of Things (IoT)	Prof. Sneha Garg & Prof. PoojaAgrawal	snehagarg229@mitsgwalior.in , pooja.agrawal2308@mitsgwalior.in	74
12.		Python Programming with Applications to Machine Learning	Prof. Mir Shahnawaz Ahmad. Prof. Mohit Jain	mirshahnawaz888@mitsgwalior.in	81
13.		FRONT END WEB DEVELOPER	Prof. LavUpadhyay Prof. NamrataAgarwal	lavupadhyay@gmail.com namrataagrawal@mitsgwalior.in	76
14.		Google Services	Prof. AbhilashSonker Prof. Amit K Manjhvar	abhilashsonkerit@gmail.com mtechsati@gmail.com	94
15.	Electronics Engineering	Electronic Circuit Design Using LTSPICE	Dr. VikasMahor Prof. Rakesh Naik	vikas@mitsgwalior.in , rakeshbitelex@gmail.com	29
16.		Python for Engineers	Prof. Saurabh Singh Raghuvanshi	ssraghuvanshi1989@gmail.com	80
17.	Civil Engineering	Advancing from BASICS by Practicing through "VIRTUAL LABS" in Civil Engineering	Prof. Shivam Gupta	shivamg25@mitsgwalior.in	14
18.		Basics of Python and its applications in Civil Engineering	Dr. Chetan Sharma	chetan.cvl@mitsgwalior.in	25
19.		Civil Engineering Structural elements drawing using AutoCAD	Dr. Pankaj Kumar	Pankaj437@mitsgwalior.in	63
20.	Chemical Engineering	Chemical Reaction Engineering: A flyover between Nano and Macro world	Dr. Arti Sahu Prof. Pratap Singh	artisahu7@gmail.com prataphbti@gmail.com	33
21.		Introduction of Mineral Processing and Challenges	Dr. R. K. Dubey Dr. S.R. Geed	dubeyable@gmail.com sachingeed23@gmail.com	07
22.	Applied Science	Applications of Lasers in Engineering ,	Dr. Prachi Sharma	ps5739@gmail.com	09

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		Technology, Space & Medical Science			
23.	Architecture	DIGITAL PAINTING	Ar. Noopur Gupta Ar. VershaSinha	noopurgupta.ng@gmail.com versha.data@gmail.com	31
24.		BUILT & CULTURAL HERITAGE	Ar. Pranshi Jain Ar. Richa Mishra	pranshijain@gmail.com richarch11@gmail.com	09
25.	Counselling Cell	Personal Growth: Becoming a better "YOU"	DR. SAPNA KUMARI	counsellordsapna@mitsgwalior.in	26
26.	Total Registrations				953



Prof. Praveen Bansal
Co-Coordinator, SIP-I

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Feedback of First year online Summer Internship						
S. NO	Name of Department	Name of Modules	Module Coordinators	Average	No. of Feedback Received	Total no. of students registered in the module
1	Electrical Engineering	Hands on Training on MATLAB / SIMULINK	Ms. Bhavna Rathore ,Mr. Rahul Sagwal andMr. Shailendra Pratap Singh	4.3	36	49
2		Introduction to Solar systems & Solar Photovoltaic (PV) Modeling using PVsyst Software and Simulink	Prof Saurabh K Rajput Prof. AparajitaKumari Prof. ShwetaKumari	4.3	10	12



Prof.Praveen Bansal
Assistant Professor
EED

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3		Numerical Computational Techniques using MATLAB	Dr. Vikram, Mr. G.K. Naveen and Mr. Nipun Gupta	4.5	6	9
4		Electricity usage for Domestic & Industrial applications.	Prof. Vishal Chaudhary, Prof. Praveen Bansal and Prof. Kuldeep Swankar	4.4	19	26
5	Mechanical Engineering/ Automobile	State of art of ground Vehicles	Dr. Dharmendra Jain, Prof. Krishan Kumar Yadav & Prof. Ajay Singh Rajput	3.7	11	19
6		Introduction to Auto CAD for Engineering Applications	Prof. Sharad Agrawal & Prof. Utkarsh Srivastava	4.1	39	62
7		SOLIDWORKS with GD&T	Prof. Vaibhav Gupta & Prof. Narindra Singh Sikharwar	3.6	10	19
8		Visualization and learning of repair and maintenance of a vehicle	Prof. Shubham Shrivastava, Prof. Subhash Chand Pal & Prof. Sumeet Kumar Singh	4	36	72

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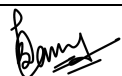
9		Descriptive Statistics with Python	Prof. Sarvesh Kumar Yadav, Prof. Gayanesh Saran, Dr. Amrat Dhamniya	4.3	7	13
10	CSE&IT	Analytics using R Tool	Prof. Arun Kumar	4.4	11	21
11		Internet of Things (IoT)	Prof. Sneha Garg & Prof. PoojaAgrawal	4.2	49	74
12		Python Programming with Applications to Machine Learning	Prof. Mir Shahnawaz Ahmad & Prof. Mohit Jain	4.4	63	81
13		FRONT END WEB DEVELOPER	Prof. LavUpadhyay & Prof. Namrata Agrawal	4	36	76
14		Google Services	Prof. AbhilashSonker & Prof. Amit K Manjhvar	4	46	94
15		Electronics Engineering	Electronic Circuit Design Using LTSPICE	Dr. VikasMahor & Prof. Rakesh Naik	4.1	14
16	Python for Engineers		Prof. Saurabh Singh Raghuvanshi	4.2	43	80



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17	Civil Engineering	Advancing from BASICS by Practicing through "VIRTUAL LABS" in Civil Engineering	Prof. Shivam Gupta	4.7	6	14
18		Basics of Python and its applications in Civil Engineering	Dr. Chetan Sharma	4.3	16	25
19		Civil Engineering Structural elements drawing using AutoCAD	Dr. Pankaj Kumar	3.6	25	63
20	Chemical Engineering	Chemical Reaction Engineering: A flyover between Nano and Macro world	Dr. Arti Sahu & Prof. Pratap Singh	3.8	9	33
21		Introduction of Mineral Processing and Challenges	Dr. R. K. Dubey & Dr. S. R. Geed	4.8	4	7



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22	Applied Science	Applications of Lasers in Engineering , Technology, Space & Medical Science	Dr. Prachi Sharma	4.6	2	9
23	Architecture	DIGITAL PAINTING	Ar. Noopur Gupta & Ar. Versha Sinha	4.4	12	31
24		BUILT & CULTURAL HERITAGE	Ar. Pranshi Jain & Ar. Richa Mishra	3.8	5	9
25	Counselling Cell	Personal Growth: Becoming a better "YOU"	DR. SAPNA KUMARI	4.5	11	26
					526	953



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