

NAAC Criterion-I

Curricular Aspects

Key Indicator -1.3 Curriculum Enrichment

Sub-Criteria -1.3.2



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

Gola ka Mandir, Gwalior - 474005, Madhya Pradesh, India

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Additional documents/evidence/proof

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ABOUT VALUE ADDED PROGRAMME

Internships/Value added courses are educational and career development opportunities, providing practical experience in a field or discipline. Following are the intended objectives of 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 from the value added courses 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

MITS, GWALIOR

Madhav Institute of Technology & Science (MITS), Gwalior is Govt. Aided, UGC Autonomous, NAAC Accredited institute situated in Northern part of Madhya Pradesh. The institute is listed in 251-300 band of NIRF-2021 & promising band of ARIIA-2021 and NPTEL local Chapter of the institute has secured AAA rating (listed in the band of 01 -10) during 2021 amongst more than 4,000 Chapters of NPTEL across the nation. The Institute started initially with 3 disciplines: Civil, Mechanical and Electrical Engineering with intake of 40 each. At present, the Institute is offering regular 17 Bachelors, 10 Master's and Doctoral Degrees Programmes in Engineering & Technology, Architecture & Planning, Computer Application and Management with the strength of more than 5000 students. Many of the programmes are accredited by the National Board of Accreditation (NBA). The Institute is recognized Quality Improvement Programme (QIP) Centre of AICTE for Ph.D. Programme, institute has implemented TEQIP-II and TEQIP-III project successfully and was declared as the best performer in the final performance audit amongst all the TEQIP-III funded institutes of the nation. As per the vision of the institute, "To create world class quality Engineers and Technocrats capable of providing leadership in all spheres of life and society", the institute has implemented Outcome Based Education (OBE) and Flexible curriculum with provision of major / minor degrees. Institute has collaborated with globally recognized organizations and implemented National Educational Policy (NEP2020) for the multidisciplinary education. Institute conducts various activities under the provision of Novel Engaging Courses for the holistic development of students

Two Week Value Added Program- 2022 For B.E/ B.Tech/BArch Students

(20th June to 30th June 2022)

(In Blended Mode)



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE
(A Govt. Aided UGC autonomous & NAAC Accredited institute affiliated to RGPV, Bhopal)
Race Course Road, Gola Ka Mandir,
Gwalior, M.P. 474005
website: www.mitsgwalior.in

VALUE MODULES/COURSES OFFERED

CIVIL ENGINEERING

- a. Application of MATLAB and SPSS in Engineering Problems
- b. Introductory Course on Microsoft Office
- c. Introduction to Sustainable Engineering
- d. Study of Geological Maps and Sub-surface Exploration

INFORMATION TECHNOLOGY

- a. Programming using Python
- b. Imbalanced Learning for classification
- c. Problem Solving through programming
- d. JAVA (Core)
- e. Data Handelling Through MATLAB programming

COMPUTER SCIENCE ENGINEERING

- a. Wireless Communication Technology & its Applications
- b. Python Programming & its Applications
- c. Introduction to MATLAB Programming
- d. Smart World Technology

ELECTRICAL ENGINEERING

- a. Green Vehicle Technology
- b. Hands on training on MATLAB: Basics to Intermediate
- c. Solar Photovoltaic (PV) DESIGN & Analysis using RET Screen
- d. Arduino Programming and Hardware Fundamentals

MECHANICAL ENGINEERING

- a. CFD Foundation Course using ANSYS Workbench & ANSYS FLUENT
- b. Hands on practice on conventional machining and 3D printing
- c. Solar Energy Applications
- d. Introduction to AUTOCAD for Engineering Applications

ELECTRONICS ENGINEERING

- a. Training on Electronic Circuits Design using P-Spice along with PCB design
- b. Simulation using MATLAB/TinkerCad
- c. Analog Circuits Simulation using LT-Spice
- d. Training on Electronic Circuits Design using P-Spice along with PCB design

ELECTRONICS ENGINEERING

- a. Applications of Optimization Techniques
- b. Numerical Techniques for Engineering Problems
- c. Discrete Mathematics and It's Application
- d. Finite Difference Method

ARCHITECTURE

- a. Digital Painting
- b. Graphic Thinking
- c. Heritage & Tourism

CHEMICAL ENGINEERING

- a. Environment Aspect and Related Issue's
- b. Energy Generation from Waste

RESOURCE PERSONS

The various sessions of this program will be conducted by faculty members of MITS Gwalior and experts from industries

ORGANIZING COMMITTEE

Coordinator

Dr. Rajeev Kansal Dean Student Welfare

Co-Coordinator(s)

Prof.Praveen Bansal Assistant Professor, Electrical Engg.
Prof.Swati Gupta Assistant Professor ,ChemicalEngg.

IMPORTANT GUIDELINES FOR REGISTRATION

1. Students must be very careful during selection of module. *Only one entry is allowed per student. In case of multiple entries the first successful entry will only be considered.*
2. Registration per module will be on **First Come First Serve Basis (FCFS)**. There are **limited seats** in every module.
3. After successful registration, change of module is not allowed
4. *In addition, an auto generated mail form Google will be received showing the selected module during registration. In case, the students receive a mail not showing the selected module, the students will have to re-register again.*
5. In any technical issue with Google, then students have to do re-registration in remaining modules
6. Without registration students will not be able to participate in Courses
7. In case any module seats are filled then automatically that module will be removed from Google Form.
8. For any Query mail to internship@mitsgwalior.in

ONLINE REGISTRATION LINK (MITS Students Only)

Register Here: <https://forms.gle/na1zLTim3QwNpvxM8>

ASSESSMENT

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

FOR OUTSIDE PARTICIPANTS

The Details of Module are available in given link

[Click Here](#)

FOR OUTSIDE PARTICIPANTS

Interested students are required to apply online through link given below. The course fee as follows:

Course fee Rs. 500/-+GST(18%)

Register Here: <https://forms.gle/na1zLTim3QwNpvxM8>

The online registration form must be filled by 05th June 2022

The selection is **on first come first served basis through registration online**, depending upon the availability of the seats. Selected participants will be informed by **10th June 2022**

Last date to deposit the fee is 05th June 2022

Payment details are available in registration link

Registration charges are non-refundable for selected participants

CONTACT DETAILS FOR THE REGISTRATION:

For any query mail on : Internship@mitsgwalior.in

ADDRESS FOR COMMUNICATION:

Prof.Swati Gupta

Assistant Professor

Department of Chemical Engineering

Race Course Road, Gola Ka Mandir,

Gwalior, M.P. 474005

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SAMPLE CERTIFICATE

MITS/2022/SIP/⟨⟨S.No.⟩⟩



Value Added Programme 2022

This Certificate is awarded to ⟨⟨Name⟩⟩ of B.E./Btech ⟨⟨Branch⟩⟩ for successfully completing the Value Added Programme 2022 on "⟨⟨Module⟩⟩" held during 20th June 2022 to 30th June 2022. We wish him/her all the best for future endeavours.

Prof. Swati Gupta

Co-Coordinator

Prof. Praveen Bansal

Co-Coordinator

Dr. Rajeev Kansal

Coordinator & Dean (Student Welfare) 6

Madhav Institute of Technology & Science, Gwalior, M.P., India

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(Estd. in 1957)

SKILLS ENHANCEMENT PROGRAM (SEP) - 2022 (For Pre-Final Year Students)

ABOUT SKILLS ENHANCEMENT PROGRAM

Madhav Institute of Technology and Science, Gwalior introduces the Skills Enhancement Program (SEP) - 2022, Formerly known as Finishing School Program. Catering to Pre-Final year students of the Institute, the Module aspires to instil a synergy of both Soft Skills and Technical Acumen. It is a golden opportunity for students who haven't been able to apply for an Internship due to any reason as this program is equivalent to any Internship. In keeping with Universal standards, the module boasts of skills required for Industry Readiness of contemporary times as well as aims to target the marketplace of the future.

Salient Points-

- The Skills Enhancement Program module will be treated as equable to Internship.
- Details of courses offered are available below.
- Module follows international standards.
- Caters to Industry readiness and overall personality enhancement.


ELIGIBILITY AND OTHER INSTRUCTIONS






1. The Skills Enhancement Program is designed only for pre-final year students of MITS, Gwalior.
2. The students must apply online. And, the program will be offline in the Institute and maybe in blended mode depending on module
3. **Students can choose any interdisciplinary module and in other departments as well depending on their interest and background knowledge.**
4. The Skills Enhancement Program is free for the participants of pre-final year students of MITS.
5. These modules will be conducted under the Skills Enhancement Program which will be considered equivalent to an Internship of Pre-final year students who could not get any Internship.
6. Duration of this program will be of three to four weeks which is equivalent to summer Internship period as per AICTE and our Institute policy. Daily no. of hours of online training may be flexible.
7. Soft Skills part will be covered by T&P Cell under Campus Placement Preparation Classes mainly for MITS students.
8. Certificates will be issued to candidates who have attendance 75% or more and also score more than 60% in the test.

Dates

- **Duration: 30-45 Days (Approximately)**
- **Registration Last Date: 10th June, 2022 till 12:00 Noon**
- **Program Start From: 13th June 2022**

MODULES

Modules	Department	Detailed Modules
Architectural Graphics and Model Making	Architecture	

Structural Design of a Two Story RC Building	Civil Engineering	
Design analysis of grid-connected and off-grid system	Electrical Engineering	
Hybrid Power Generation using Solar and Wind Energy: A Case Study of MITS Campus		
Computer Aided Control and Automation	Electronics Engineering	
Robotics and Automation		
Programming in SCILAB		
Google Services	Information Technology	
Deep Learning – Basics to Advance		
Mechanical Engineering Recent Aspects and Applications	Mechanical Engineering	



For any query, please contact through Email: tnp@mitsgwalior.in

Link for the Web Page for all details related to courses and Process:-

<https://www.mitsgwalior.in/sep2022.htm>

Students Registered in the above mentioned Courses:-

https://docs.google.com/spreadsheets/d/1_wbMIByTxckoGGSS0njDR5I7QzinhA5p1-LUGbpjVSI/edit?usp=sharing

Certificates provided to successful candidates:-

<https://docs.google.com/spreadsheets/d/17ztAKfurQshMkJW2HP-h4TJHNWnaGAlzNByBxyhKPAAs/edit?usp=sharing>



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Reg No: FS2022-4

Sample Certificate

Certificate of Skills Enhancement Program (SEP) - 2022

This is to certify that

Abhishek Rai Shakya

has attended Skills Enhancement Program (SEP) - 2022

on

Structural Design of a Two Story RC Building and secured 'AB' Grade

Conducted by Madhav Institute of Technology & Science, Gwalior

during May-June 2022.

(Er. Vikram Rajput)
Coordinator SEP, T&P Officer

(Dr. Rajeev Kansal)
Dean, Students Welfare



Skills Enhancement Program (SEP) -2022 (Formerly, Finishing School Program) at MITS Gwalior for Pre-Final Year Students, Starting from 13th June, 20221

Vikram Rajput, MITS Gwalior <tnp@mitsgwalior.in>

Tue, Jun 7, 2022 at 2:49 PM

To: tanmaygrk@gmail.com, adityavikrams24@gmail.com, hanu upadhyaya <coolhanu99@gmail.com>, satyamgoyal855@gmail.com, yash237yash@gmail.com, abhisheksingh99267@gmail.com, Achlesh.khandelwal99@gmail.com, 2002adarshdwivedi@gmail.com, adityarathore473@gmail.com, paman4000@gmail.com, anujasati10@gmail.com, anupamsaxena001@gmail.com, ashishsengar829@gmail.com, ayush47757@gmail.com, saayush014@gmail.com, theyash007@gmail.com, kauravbhanupratap016@gmail.com, chetanbajpai12233@gmail.com, deepak934028@gmail.com, dheerajha415@gmail.com, devanandpate1597@gmail.com, Shukladiyansh27@gmail.com, gaurav.sharma7694926896@gmail.com, Jatinrajput748@gmail.com, Krishreawesome@gmail.com, yrana7393@gmail.com, mansichaudhary11111@gmail.com, arshadhhalik1@gmail.com, begintkhab@gmail.com, chourasiamradul@gmail.com, raikwarmradul@gmail.com, namansingh826@gmail.com, Navyugverma09826@gmail.com, AU1033 PIYUSH CHOUDHARY <piyushchoudhary18122000@gmail.com>, piyushtyagi2002@gmail.com, Sharmapranav202@gmail.com, 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priya2852garg@gmail.com, priyanshumishra87@gmail.com, rahuldohare401@gmail.com, rr808580@gmail.com, RAJKUMARDOHARE75@gmail.com, Rathravipur7284@gmail.com, marwan33232@gmail.com, rishabharya265@gmail.com, crishav12345687@gmail.com, rishabh.saxena2002@gmail.com, rishabhsingh2534@gmail.com, riteshragh123@gmail.com, ritikahirwar456@gmail.com, ritikmalarya88713@gmail.com, rounakjsh783@gmail.com, rubyprajapati632@gmail.com, sahaj1904jain@gmail.com, Sam2001jan2001@gmail.com, sakshisahu.3475@gmail.com, sameerkan76950@gmail.com, redoxiak@gmail.com, ritesh.k.jha@hotmail.com, sciencestudent2468@gmail.com, saurabhshakya10082001@gmail.com, shalvisinghal01@gmail.com, shambhavigarg22@gmail.com, sharmasangam10@gmail.com, ss110104350@gmail.com, shivansharma1305@gmail.com, Shreyasammu7595@gmail.com, jan22.sg@gmail.com, deepak119907@gmail.com, snehanigam3181@gmail.com, snehilbanawal@outlook.com, somya.simple.2001@gmail.com, soumyasingh4682@gmail.com, sourabhmourya282001@gmail.com, sourabhshakya1998@gmail.com, subhashiyant@gmail.com, Singhsurbhi1320@gmail.com, swapnilhappariya@gmail.com, tanishqsoni0122@gmail.com, saxenatanupriya80@gmail.com, loneumar309@gmail.com, Rampuriyavibhav@gmail.com, vibhuyadav028@gmail.com, vaidikgoyal2001@gmail.com, vaishnavitomar2002@gmail.com, Sikanwarvikash1899@gmail.com, vishalprajapati1@yahoo.com, viveksharma7974@gmail.com, yg172001@gmail.com, yashjainy1304200@gmail.com, jainyash9654@gmail.com, yashmathur031045@gmail.com, ahmad00rocks@gmail.com, ayushjain9770@gmail.com, harshmishra.cs17@gmail.com, jaykingshprata333@gmail.com, manishapalji56@gmail.com, nehachaurasiya2424@gmail.com, ntripathi551@gmail.com, Nitinsen2710@gmail.com, prachichhapariya2000@gmail.com, pk220017@gmail.com, shivanisahu618@gmail.com, architecture.snehgupta@gmail.com, vaishnavagrawal006@gmail.com, rahulkushwah9407@gmail.com, AADITYA CHOUKSE EC 001 <awesomeaditya18@gmail.com>, aashiharma18@gmail.com, aasthagupta179@gmail.com, shreyanagar00@gmail.com, 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ayush12mishra17@gmail.com, ayushsingh98634@gmail.com,

lakherabharat2000@gmail.com, chayanikakhatri00@gmail.com, chetankjadhav2001@gmail.com, dinesh.chandelkar18@gmail.com, deeksha96shrivastava@gmail.com, kanoriyadeepak188@gmail.com, dhjainjabalpur65@gmail.com, ishusikarwar01@gmail.com, gauravsahuiit@gmail.com, Lavinabijroniya810@gmail.com, hagrawal004@gmail.com, kumarhimanshu531999@gmail.com, himanshupatel457@gmail.com, ishanprajapati16@gmail.com, jayati3817@gmail.com, jeeveshtiwari28122000@gmail.com, sabrekrati@gmail.com, jainkratika854@gmail.com, sahu39629@gmail.com

Madhav Institute of Technology & Science, Gwalior, M.P., India

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(Estd. in 1957)

SKILLS ENHANCEMENT PROGRAM (SEP) - 2022 (For Pre-Final Year Students)

ABOUT SKILLS ENHANCEMENT PROGRAM

Madhav Institute of Technology and Science, Gwalior introduces the Skills Enhancement Program (SEP) - 2022, Formerly known as Finishing School Program. Catering to Pre-Final year students of the Institute, the Module aspires to instil a synergy of both Soft Skills and Technical Acumen. It is a golden opportunity for students who haven't been able to apply for an Internship due to any reason as this program is equivalent to any Internship. In keeping with Universal standards, the module boasts of skills required for Industry Readiness of contemporary times as well as aims to target the marketplace of the future.

Salient Points-

- The Skills Enhancement Program module will be treated as equable to Internship.
- Details of courses offered are available below.
- Module follows international standards.
- Caters to Industry readiness and overall personality enhancement.

ELIGIBILITY AND OTHER INSTRUCTIONS

1. The Skills Enhancement Program is designed only for pre-final year students of MITS, Gwalior.
2. The students must apply online. And, the program will be offline in the Institute and maybe in blended mode depending on module
3. **Students can choose any interdisciplinary module and in other departments as well depending on their interest and background knowledge.**
4. The Skills Enhancement Program is free for the participants of pre-final year students of MITS.
5. These modules will be conducted under the Skills Enhancement Program which will be considered equivalent to an Internship of Pre-final year students who could not get any Internship.
6. Duration of this program will be of three to four weeks which is equivalent to summer Internship period as per AICTE and our Institute policy. Daily no. of hours of online training may be flexible.
7. Soft Skills part will be covered by T&P Cell under Campus Placement Preparation Classes mainly for MITS students.
8. Certificates will be issued to candidates who have attendance 75% or more and also score more than 60% in the test.

Dates

- **Duration: 30-45 Days (Approximately)**
- **Registration Last Date: 10th June, 2022 till 12:00 Noon**
- **Program Start From: 13th June 2022**

MODULES

S.No	Modules	Department	Detailed Modules link
1	Architectural Graphics and Model Making	Architecture	<i>Same file attached in mail.</i>
2	Structural Design of a Two Story RC Building	Civil Engineering	"
3	Design analysis of grid-connected and off-grid system	Electrical Engineering	"
4	Hybrid Power Generation using Solar and Wind Energy: A Case Study of MITS Campus		
5	Computer Aided Control and Automation	Electronics Engineering	"
6	Robotics and Automation		
7	Programming in SCILAB		
8	Google Services	Information Technology	"
9	Deep Learning – Basics to Advance		
10	Mechanical Engineering Recent Aspects and Applications	Mechanical Engineering	"











REGISTRATION

Online Registration for Students	https://forms.gle/SPsMR6vgRbntivAq6
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CONTACT

For any query, please contact through Email: tnp@mitsgwalior.in

10 attachments

-  **1. Architecture Module - Graphics & Model making.pdf**
67K
-  **2. Civil Engg. Module.pdf**
135K
-  **4. Electrical Module 2 - Hybrid Power Generation using Solar and Wind Energy A Case Study of MITS Campus.pdf**
266K
-  **3. Electrical Module 1.pdf**
735K
-  **5. Electronics Module 1_ Computer aided control & automation_2 June 2022.pdf**
303K
-  **7. Electronics Module3_Programming in Scilab.pdf**
155K
-  **10. Mechanical Module for SEP 2022.pdf**
27K
-  **8. IT Module 1 - IT Google services.pdf**
464K
-  **9. IT module 2 - Deep Learning-Basics to advance Finishing School Programme.pdf**
720K
-  **6. Electronics Module2_Robotics & Automation 2022.pdf**
312K

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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NOVEL ENGAGING COURSES OFFERED TO UG ALL PROGRAM STUDENTS (AS PER FLEXIBLE CURRICULUM IMPLEMENTED WITH EFFECT FROM 2020-21 ADMITTED BATCH)

Groups	Course Name & Code	Mentor	Mentor Deptt.	Semester	Total Credits (1 Credit in each semester)
Science & Technology	3D Printing (2000001)	Gavendra Norkey and Dhruv Maggu	Mechanical Engg.	3	1
	Amateur Radio Communication (2000002)	Vandana Vikas Thakare	Electronics Mechanical Engg.	3	1
	Design Skills Using Simulation Software (2000003)	Sharad Agrawal	Engg.	3	1
	Data Analysis Skills (2000004)	D K Jain	Maths & Comp.	3	1
	Equipment Calibration* - I (2000005)	Abhilash Shukla	Civil Engg.	3,4	2
	Robotics (2000007)	Karuna Markam	Electronics	3	1
	Vehicular Skill Development (2000008)	Vedansh Chaturvedi & Ajay S. Rajput	Mechanical Engg.	3	1
Digital Technology	Animation (2000009)	Amit Kumar Manjhvar	CSE	3	1
	Digital Learning* - I (2000010)	Punit Kumar Johari	Information Tech.	3,4	2
	Elements of Photographic Skills (2000012)	Deep Kishore Parsediya	Electronics	3	1
Socially Relevant	Environment Protection* - I (2000013)	Aditya K. Agarwal	Civil Engg.	3,4	2
	Fire Prevention & Preparedness (2000015)	Jyoti Vimal	Mechanical Engg.	3	1
	National Service Scheme** (NSS) - I (2000016)	Manish K. Sagar	Mech. Engg. & NSS Officer	3,4,5,6	4
	National Cadet Corps** (NCC) - I (2000020)	B.P.S. Bhadoria	NCC & Sports	3,4,5,6	4
	Mentoring Skills** - I (2000024)	Sapna Kumari	Student Counsellor Civil	3,4,5,6	4
	Organic Farming (2000028)	Archana Tiwari	Engg	3	1
	Signage (2000029)	M.K. Trivedi & Jayvant Choudhary	Civil Engg.	3	1
Performing Arts	Performing Arts (Dance) (2000030)	Parul Saxena	CSE	3	1
	Performing Arts (Music) (2000031)	Shourabh Bhattacharya	Applied Science	3	1
Physical Health	Games & Sports** - I (2000032)	B.P.S. Bhadoria	NCC & Sports	3,4,5,6 3,4	4
	Fitness* -I (2000036)	Rajendra Prasad Kori	Mechanical Engg.		2
Health & Hygiene	Alternate Therapies** - I (2000038)	Sunita Sharma	Biotechnology Electrical Engg.	3,4,5,6 3,4	4
	Holistic Health* - I (2000042)	Vishal Chaudhary	Engg.		2
Arts & Crafts	Artistry* - I (2000044)	Pooja Sahoo Pranshi	Electronics Architecture	3,4	2
	Sculpture Making* - I (2000046)	Jain		3.4	2

Language Skills	English Literary Skills (2000048)	Sanjeev Khanna	Humanities	3	1
	Hindi Language Skills (2000049)	Angad Singh Ojha	Maths & Comp.	3	1
	Preliminary Journalism Skills (2000050)	Anish P. Jacob	Chemical Engg.	3	1
	Short Story Writing (2000051)	C.S. Malvi	Mechanical Engg.	3	1
Home Science	Food and Nutrition (2000052)	Anjula Gaur	Applied Science	3	1
Soft Skills	Career Guidance & Preparedness (2000053)	Praveen Bansal and Swati Gupta	Electrical, Chem. Engg.	3	1
	Managing Mannerism* - I (2000054)	Sapna Kumari	Student Counsellor	3,4	2
	Personality Development* - I (2000056)	Anjali S Patil & Shweta Singh	Architecture	3,4	2
	Public Speaking* - I (2000058)	Manish Dixit & Shweta Singh	CSE, Architecture	3,4	2
Application Software	Coding Skills** - I (2000060)	Rajni Ranjan Singh	CSE	3,4,5,6	4
	Emerging Technologies in Computer Science (2000064)	Mahesh Parmar	CSE	3	1
	Pythons of Programming (2000065)	Prabhakar Sharma	Maths & Comp.	3	1
	Software Development** (2000066)	Atul Chauhan	Data Resource Center	3,4,5,6	4

Note :

1. As a part of regular courses in the flexible scheme for UG students admitted in 2020-2021 onwards, Novel Engaging Courses are introduced and will have total 4 credits (1 credit each semester) starting from IIIrd semester to VIth semester.
2. * These courses are of 2 credits. Part-I will run in IIIrd semester and Part-II in IVth semester. One credit for each semester.
3. **These courses are of 4 credits. Part-I will run in IIIrd semester, Part-II in IVth semester, Part-III in Vth semester and Part-IV in VIth semester. One credit for each semester.
4. Students can select any course of his/her choice which is offered. However to select * and ** marked courses during IV to VI semesters, it is mandatory to successfully complete previous parts of that course as applicable.
5. National Cadet Corps** (NCC) - I (2000020) can be selected **ONLY** by those students who have enrolled for NCC during 2020-21. However, such students if they wish can select any course other than NCC as Novel Engaging Course and can continue in NCC also.
6. Fresh registration process will takes place in subsequent IV, V and VI semesters. New list of courses will be offered in each semester.

For More details about Novel Engaging Courses : [Click Here](#)

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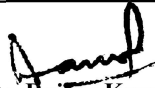
Date : 15.02.2022

NOTICE

Sub. : List of UG IV Sem. Novel Engaging Courses running in Jan.-June 2022 Session

Sr.	Course Code	Course Name	Course Mentor	Deptt. of Course Mentor	Mentor Email Address
1	2000001	3D Printing	Gavendra Norkey	Mechanical	gavin.norkey@mitsgwalior.in
2	2000009	Animation	Amit Kumar Manjhvar	CSE	amitkumar@mitsgwalior.in
3	2000045	Artistry* - II	Pooja Sahoo	Electronics	sahu.pooja2009@mitsgwalior.in
4	2000074	Basic and Advanced Excel	Abhilash Shukla	Civil	abhilash.shukla29@mitsgwalior.in
5	2000109	Basic Programming of Python using Google Colab	Hemant Choubey	Electronics	hemantchoubey271986@mitsgwalior.in
6	2000124	Basics of Campus Recruitment Training	Trilok Pratap Singh	MBA	trilokpratapsinghchauhan@mitsgwalior.in
7	2000108	Basics of MATLAB Programming	Sandeep Sharma	Electronics	sandeepsve@mitsgwalior.in
8	2000071	Basics of Technical Analysis in Stocks	Ankit Kumar	Architecture	kumarankeet@mitsgwalior.in
9	2000083	Cloud Computing: Techniques & Tools	Mir Shahnawaz Ahmad	CSE	mirshahnawaz888@mitsgwalior.in
10	2000061	Coding Skills** - II	Rajni Ranjan Singh	CSE	rrsingh@mitsgwalior.in
11	2000121	Creative thinking and problem solving	Harbhajan Ahirwar	Mechanical	harbhajan@mitsgwalior.in
12	2000004	Data Analysis Skills	D K Jain	Maths & Comp.	ain_dkj@mitsgwalior.in
13	2000003	Design Skills Using Simulation Software	Sharad Agrawal	Mechanical	sharad.mits03@mitsgwalior.in
14	2000011	Digital Learning* - II	Punit Kumar Johari	IT	pkjohari@mitsgwalior.in
15	2000012	Elements of Photographic Skills	Deep Kishore Parsediya	Electronics	parsediya@mitsgwalior.in
16	2000064	Emerging Technologies in Computer Science	Mahesh Parmar	CSE	maheshparmar@mitsgwalior.in
17	2000048	English Literary Skills	Sanjeev Khanna	Humanities	drkhannasanjeev@mitsgwalior.in
18	2000014	Environment Protection* - II	Aditya K. Agarwal	Civil	adyyagrwal0902@mitsgwalior.in
19	2000052	Food and Nutrition	Anjula Gaur	Applied Science	anjulagaur@mitsgwalior.in
20	2000033	Games & Sports** - II	B.P.S. Bhadoria	Sports	bhanu@mitsgwalior.in
21	2000072	Graphic Design	Satyam Shukla	Architecture	satyamshukla@mitsgwalior.in
22	2000049	Hindi Language Skills	Angad Singh Ojha	Maths & Comp.	asingh_ojha@mitsgwalior.in
23	2000113	Introduction to Entrepreneurship: Challenges and Opportunities	Varun Sharma	Electronics	varuns@mitsgwalior.in
24	2000089	IT Tools	Abhishek Dixit	IT	abhidixit.dixit1@mitsgwalior.in
25	2000086	Knowing Madhya Pradesh	Anjula Mehto	CSE	mehtoanjula@mitsgwalior.in
26	2000025	Mentoring Skills** - II	Sapna Kumari	Counselling Cell	counsellordsapna@mitsgwalior.in
27	2000112	Music - The Melody of Life	Shubhi Kansal	Electronics	shubhi@mitsgwalior.in
28	2000021	National Cadet Corps** NCC - II	B.P.S. Bhadoria	NCC	bhanu@mitsgwalior.in
29	2000017	National Service Scheme** NSS - II	Manish K. Sagar	NSS	mksagar@mitsgwalior.in
30	2000057	Personality Development* - II	Anjali S Patil	Architecture	anjali@mitsgwalior.in
31	2000070	Photo Editing Software: Adobe Photoshop	Versha Sinha	Architecture	versha.sinha@mitsgwalior.in

32	2000037	Physical Fitness* -II	Rajendra Prasad Kori	Mechanical	rpkori@mitsgwalior.in
33	2000059	Public Speaking* - II	Manish Dixit & Ankita Sengar	CSE & Arch.	dixitmits@mitsgwalior.in
34	2000096	Python for Image processing applications using Open CV	Pawan Dubey	IT (AIR)	pawand@mitsgwalior.in
35	2000106	Renewable Energy Technology: Domestic load requirements	Rahul Sagwal	Electrical	rahul.sagwal90@mitsgwalior.in
36	2000111	Research Paper Writing	Dinesh Rano	Electronics	dineshdrano@mitsgwalior.in
37	2000007	Robotics	Karuna Markam	Electronics	karuna_markam@mitsgwalior.in
38	2000081	Science and Technology Around Us	Rakesh Kumar Dubey	Chemical	dubeyable@mitsgwalior.in
39	2000080	Shutter Up-Flash Me Photography	Shourabh S. Raghuvanshi	Chemical	shourabh.raghuvanshi@mitsgwalior.in
40	2000087	Smart World Technology	Kalka Dubey	CSE	kalka@mitsgwalior.in
41	2000067	Software Development** - II	Atul Chauhan	Data Resource	atul@mitsgwalior.in
42	2000090	Understanding Financial Markets	Saamil Maheshwari	IT	saamil@mitsgwalior.in
43	2000008	Vehicular Skill Development	Vedansh Chaturvedi	Mechanical	vedansh.87@mitsgwalior.in
44	2000073	World Heritage Sites: A Brief Overview	Richa Mishra	Architecture	richarch11@mitsgwalior.in


(Dr. Rajeev Kansal)
 Dean Student Welfare

Copy to :

- 1 Sh. Atul Chauhan - for uploading on moodle.
- 2 Dr. R.R. Makwana - for uploading on institute website
- 3 Exam. Controller
- 4 Registrar
- 5 Dean Academics
- 6 Director office -for information

LIST OF NOVEL ENGAGING COURSES JUNE - DEC. 2022

Sr.	Course Name & Code	Mentor	Mentor Deptt.
1	3D Printing (2000001)	Gavendra Norkey	ME
2	Amateur Radio Communication (2000002)	Vandana Vikas Thakare	EE
3	Design Skills Using Simulation Software (2000003)	Sharad Agrawal	ME
4	Data Analysis Skills (2000004)	D.K. Jain	MAC
5	Robotics (2000007)	Karuna Markam	EC
6	Vehicular Skill Development (2000008)	Vedansh Chaturvedi	ME
7	Animation (2000009)	Amit Manjhvar	CSE
8	Digital Learning* - I (2000010)	Punit Kumar Johari	IT
9	Elements of Photographic Skills (2000012)	D.K. Parsediya	EC
10	Environment Protection* - I (2000013)	Aditya K. Agarwal	CE
11	National Service Scheme** (NSS) - I (2000016)	Manish Sagar	NSS
12	National Service Scheme** (NSS) - III (2000018)	Manish Sagar	NSS
13	National Cadet Corps** (NCC) - I (2000020)	B.P.S. Bhadoria	NCC
14	National Cadet Corps** (NCC) – III (2000022)	B.P.S. Bhadoria	NCC
15	Organic Farming (2000028)	Archana Tiwari	CE
16	Games & Sports** - I (2000032)	B.P.S. Bhadoria	Sports
17	Games & Sports** - III, (2000034)	B.P.S. Bhadoria	Sports
18	Alternative Therapies** - I (2000038)	Sunita Sharma	BT
19	Holistic Health* - I (2000042)	Vishal Chaudhary	EE
20	Sculpture Making* - I (2000046)	Pranshi Jain	Arch.
21	English Literary Skills (2000048)	Sanjeev Khanna	Humanities
22	Hindi Language Skills (2000049)	A.S. Ojha	MAC
23	Preliminary Journalism Skills (2000050)	Anish P. Jacob	CM
24	Food and Nutrition (2000052)	Anjula Gaur	App. Sc.
25	Career Guidance & Preparedness (2000053)	Praveen Bansal & Swati Gupta	EE & CM.
26	Public Speaking* - I (2000058)	Manish Dixit & Ankit Sengar	CSE & Arch.
27	Coding Skills** - I (2000060)	Rajni Ranjan Singh	CSE
28	Coding Skills** - III (2000062)	Rajni Ranjan Singh	CSE
29	Emerging Technologies in Computer Science (2000064)	Mahesh Parmar	CSE
30	Software Development** - I (2000066)	Atul Chauhan	Data Resource
31	Software Development** - III (2000068)	Atul Chauhan	Data Resource
32	Photo Editing Software: Adobe Photoshop (2000070)	Versha Sinha	Arch.
33	Basics of Technical Analysis in Stocks (2000071)	Ankit Kumar	Arch.
34	Graphic Design (2000072)	Satyam Shukla	Arch.
35	World Heritage Sites: A Brief Overview (2000073)	Richa Mishra	Arch.
36	Basic and Advanced Excel (2000074)	Abhilash Shukla	CE
37	Shilpa Samhita : Philosophy of Indian Ancient Geotechnical Engineering (2000075)	Chayan Gupta	CE
38	Fire Safety and Regulation in Building (2000076)	Hemant Shrivastava	CE
39	Developments in Pavement Construction: Past to Future (2000077)	Jayvant Choudhary	CE
40	SPSS For Data Analysis (2000078)	Prachi Singh	CE
41	Shutter Up-Flash Me Photography (2000080)	Shourabh Raghuvanshi	CM
42	Science and Technology Around Us (2000081)	Rakesh Dubey	CM
43	Cloud Computing: Techniques & Tools (2000083)	Mir Shah Nawaz Ahmad	CSE
44	Role of MATLAB in Computations (2000084)	Ranjeet Kumar Singh	CSE
45	Demystifying Online Social networks (2000085)	Arun Kumar	CSE
46	Gender Sensitization (2000088)	Anshu Chaturvedi	CSE
47	IT Tools (2000089)	Abhishek Dixit	IT
48	Understanding Financial Markets (2000090)	Saamil Maheshwari	IT
49	Intellectual Property : Rules, Drafting and Processing (2000091)	Vikram Rajpoot	IT
50	Modern techniques for business correspondence (2000093)	Namrata Agrawal	IT
51	Integrating Engineering and Literacy (2000094)	Tej Singh	IT (AIR)
52	Imbalance Learning (2000095)	Bhagat Singh Raghuvanshi	IT (AIR)
53	Python for Image processing applications using OpenCV (2000096)	Pawan Dubey	IT (AIR)
54	MATLAB: Applications in Mathematical Biology (2000098)	Divya Chaturvedi	MAC
55	Basics and Applications of Mathematics (2000099)	Atul Kumar Ray	MAC
56	Technical Report Writing for Engineers (2000100)	Minakshi	MAC
57	Proficiency in Microsoft Excel (2000101)	Nikhil Paliwal	EE
58	Fundamentals of Electronics Devices (2000102)	Manoj Kumar	EE
59	Microsoft Visio: Scratch to Advance (2000103)	Bhavna Rathore	EE
60	Renewable Energy Technology: Domestic load requirements (2000106)	Rahul Sagwal	EE

61	Electrical Wiring, hazards & safety (2000107)	Saurabh Rajput	EE
62	Basics of MATLAB Programming (2000108)	Sandeep Sharma	EC
63	Basic Programming of Python using Google Colab (2000109)	Hemant Choubey	EC
64	LT Spice Tutorial for Circuit Simulation (2000110)	Vikas Mahor	EC
65	Research Paper Writing (2000111)	Dinesh Rano	EC
66	Understanding Logic Gates (2000114)	Rahul Dubey	EC
67	MATLAB Simulink (2000115)	Deepak Batham	EC
68	CFD Foundation Course using ANSYS FLUENT (2000117)	Subash Chand Pal	ME
69	Solar Applications (2000118)	Ravi Kant Ranjan	ME
70	Computational Methods for Engineers using MATLAB (2000119)	Nitin Upadhyay	ME
71	Role of Non-Destructive Testing (NDT) in modern inspection technology (2000120)	Surendra Chourasiya	ME
72	Creative thinking and problem solving (2000121)	Harbhajan Ahirwar	ME
73	Material Characterization Techniques for Engineering Applications (2000122)	Dinesh Rathore	ME
74	System Dynamics: Using Bond Graph Approach (2000123)	Neeraj Mishra	ME
75	Basics of Campus Recruitment Training (2000124)	Trilok Pratap Singh	MBA
76	Corporate Governance (2000125)	Namrata Gupta	MBA
77	Professional Networking & CSR (2000126)	Monica Chauhan Bhadoriya	MBA
78	Craft practices in India (2000127)	Gautam Bhadoriya	CE
79	Design of Heat Exchangers (2000128)	Ashish Agrawal	ME
80	Smart Grid (2000129)	Himmat Singh	EE
81	Study of Historical Monuments of Gwalior (2000130)	Jaimala Jha	CSE
82	An Introduction to Queueing Systems and its Applications (2000131)	J.K. Muthele	MAC
83	Image processing using MATLAB (2000132)	Khushboo Agarwal	CSE
84	Digital Circuit Design (2000133)	Kuldeep Swarnkar	EE
85	Practical Electronics for Inventors (2000134)	Madhav Singh	EC
86	Research Paper Preparation and Publication -Basics (2000135)	Rakesh Narvey	EE
87	Basics of Control Systems for Engineers (2000136)	R.P. Narwaria	EC
88	Computational Thinking for Problem Solving (2000137)	Sanjiv Sharma	IT
89	Introduction to AutoCAD for Engineers (2000138)	Utkarsh Srivastava	ME
90	Smart Home Technologies (2000139)	Vikas Shejwar	IT
91	OrCAD PSpice (2000140)	Yashwant Sawle	EE
92	Electrical Safety (2000141)	Vijay Bhuria	EE
93	Microsoft Office-Excel Skills (2000142)	Abhilash Sonker	IT
94	Know your Country: History, Culture & Traditions (2000143)	Neha Bhardwaj	IT
95	Technical writing (2000144)	Nidhi Saxena	IT
96	“The Smith Chart” concepts for solving complex network problems (2000145)	Pooja Sahoo	EC
97	Basic Course in Numerical Simulation using Scilab (2000146)	Vikram Saini	EE
98	Digital Image Enhancement Techniques (2000147)	Shubhi Kansal	EC
99	Project Management (2000148)	Jyoti Vimal	ME
100	Software Model and Project Management Life Cycle (2000149)	Parul Saxena	CSE
101	Statistical data analysis through programming (2000150)	Dhananjay Bisen	IT
102	Innovation: From Creativity to Entrepreneurship**-I (2000151)	Ankit Tiwari	EE
103	Entrepreneurship: Concept to Company*-I (2000155)	Varun Sharma	EC
104	Bhagwad Gita- An Introduction (2000157)	C.S. Malvi	ME

- Note:**
1. Courses marked with * are of two parts (Part –I & II will run in two semesters). One credit for each part.
 2. Courses marked with ** are of four parts (Part – I, II, III & IV will run in four semesters). One credit for each part.
 3. Remaining all courses are of one credit each.
 4. **Course 2000151 is for III Semester students only.**
 5. **Course 2000155 is for V Semester students only.**
 6. **All courses are open for both III & V Semester students except 2000151 & 2000155 (subject to the condition that the courses studied earlier during session 2021-22 by 2020 admitted batch cannot be taken again).**

ABOUT PROGRAMME

Internships/Value added courses are educational and career development opportunities, providing practical experience in a field or discipline. Following are the intended objectives of 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 from the value added courses 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

MITS, GWALIOR

Madhav Institute of Technology and Science (MITS), Gwalior was established by His Highness Sir Jiwaji Rao Scindia, Maharaja of Erstwhile State of Gwalior, with an aim to create world class quality Engineers and technocrats capable of providing leadership in all spheres of life and society. Founded as Madhav Engineering College in 1957. Since its inception, the institute has constantly strived for excellence and quality. Today the institute offers fifteen UG programmes along with research programmes leading to Master's degree in thirteen specializations and Ph.D. in various technical streams. Various departments of the institute have well equipped laboratories and experienced faculty. The institute is a minor QIP centre for Ph.D. programmes in five disciplines. The institute is also funded by the World Bank under TEQIP phase III to strengthen the quality of technical education.

ORGANIZING COMMITTEE

Coordinator

Dr. Rajeev Kansal	Dean Student Welfare
-------------------	----------------------

Co-Coordinator(s)

Prof.Praveen Bansal	Assistant Professor, Electrical Engg.
Prof.Swati Gupta	Assistant Professor ,ChemicalEngg.

Two Week Online Value Added Program- 2021 For B.E/ B.Tech/BArch Students

(22th July to 31st July 2021)

(In Virtual Mode)



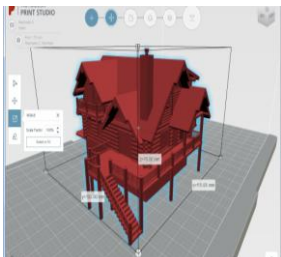
MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE
(A Govt. Aided UGC autonomous & NAAC Accredited institute affiliated to RGPV, Bhopal)
Race Course Road, Gola Ka Mandir,
Gwalior, M.P. 474005
website: www.mitsgwalior.in

RESOURCE PERSONS

The various sessions of this online value added program will be conducted by faculty members of MITS Gwalior and experts from industries.

VALUE ADDED MODULES/COURSES

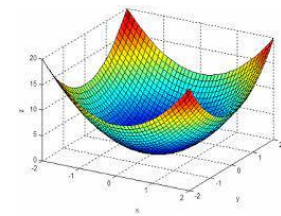
1. 3D PRINTING WITH AUTOCAD



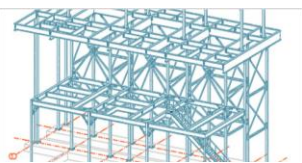
2. INTERNET OF THINGS



3. HANDS ON TRAINING ON MATLAB / SIMULINK



4. BASIC STRUCTURAL ELEMENTS DRAWING USING AUTOCAD



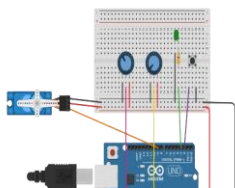
5. PYTHON FOR BEGINNERS



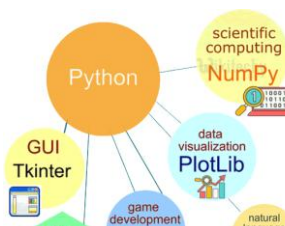
6. ROBOTICS AND AUTOMATION



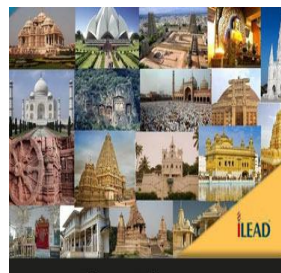
7. TINKERCAD & PROGRAMMING IN MATLAB



8. PYTHON PROGRAMMING & ITS APPLICATIONS



9. HERITAGE & TOURISM



HOW TO APPLY/REGISTRATION

Interested students are required to apply online through link given below. The course fee as follows:

Course fee Rs. 500/-+GST(18%)

Register Here: <https://forms.gle/na1zLTim3QwNpvxM8>

The online registration form must be filled by 19.07.2021

The selection is **on first come first served basis through registration online**, depending upon the availability of the seats. Selected participants will be informed by **20th July 2020**.

Last date to deposit the fee is 19.07.2020

Payment details are available in registration link

Registration charges are non-refundable for selected participants.

DATES

Dates: 22nd July 2021 to 31st July 2021

ASSESSMENT

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

CONTACT DETAILS FOR THE REGISTRATION:

1. Prof. Swati Gupta
Mob: 9977820544

2. Prof. Praveen Bansal
Mob: 9827577549

For any query mail on : Internship@mitsgwalior.in

ADDRESS FOR COMMUNICATION:

Prof. Swati Gupta
Assistant Professor
Department of Chemical Engineering
Race Course Road, Gola Ka Mandir,
Gwalior, M.P. 474005

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

SAMPLE CERTIFICATE

MITS/2021/SIP/⟨⟨S.No.⟩⟩



Value Added Programme 2021

This Certificate is awarded to ⟨⟨Name⟩⟩ of B.E./Btech ⟨⟨Branch⟩⟩ for successfully completing the Value Added Programme 2021 on "⟨⟨Module⟩⟩" held during 22nd July 2021 to 31th July 2021. We wish him/her all the best for future endeavours.

Prof. Swati Gupta
Co-Coordinator

Prof. Praveen Bansal
Co-Coordinator

Dr. Rajeev Kansal
Coordinator & Dean (Student Welfare) 21

Madhav Institute of Technology & Science, Gwalior, M.P., India

A Govt. Aided UGC Autonomous & NAAC Accredited Institute, Affiliated to RGPV, Bhopal
(Estd. in 1957)

FINISHING SCHOOL PROGRAM (ONLINE INTERNSHIP) 2021

For Pre-Final Year Students

ABOUT FINISHING SCHOOL

Madhav Institute of Technology and Science, Gwalior introduces the Finishing School Program, 2021(Online Internship). Catering to Pre-Final year students of the Institute, the Module aspires to instil a synergy of both Soft Skills and Technical Acumen. It is a golden opportunity for students who haven't been able to apply for an Internship due to the COVID-19 Crisis. In keeping with Universal standards, the module boasts of skills required for Industry Readiness of contemporary times as well as aims to target the marketplace of the future.

Salient Points-


- The Finishing School module will be treated as equable to Internship.
- Details of courses offered are available below.
- Module follows international standard of Finishing Schools.
- Caters to Industry readiness and overall personality enhancement.

1. The Finishing School Program (Online Summer Internship) is designed only for pre-final year students of MITS, Gwalior.
2. Participants must have Laptop/Desktop or Smart Phone with Internet Connection. The students must apply online.
3. Students can choose any interdisciplinary module as well depending on their interest and background knowledge.
4. The Finishing School Program (Online Summer Internship) is free for the participants of pre-final year students of MITS.
5. These online modules will be conducted under the Finishing School Program which will be considered equivalent to Online Internship of Pre-final year students who could not get any Internship during this situation in pandemic.
6. Duration of this program will be of three to four weeks which is equivalent to summer Internship period as per AICTE and our Institute policy. Daily no. of hours of online training may be flexible.
7. Soft Skills part will be covered by T&P Cell under Campus Placement Preparation Classes mainly for MITS students.
8. Certificates will be issued to candidates who have attendance 75% or more and also score more than 60% in the test

Dates


- **Duration: 20-30 Days (Approximately)**
- **Registration Last Date: 13th May 2021 till 12:00 Noon**
- **Program Start From: 14th May 2021**

MODULES

S.No	Modules	Department	
1	Advanced Software Application in Architecture	Architecture	

2	Medical Device Innovation	Biotechnology Engineering	
3	Process Integration & Automation in Chemical Industries	Chemical Engineering	
4	Matrix Analysis of Structures	Civil Engineering	
5	Environmental Engineering Design of Sewage Treatment Plant		
6	Field Outlook in Civil Engineering Projects		
7	Structural Design of a Two Storey RC Building		
8	Applied and Intelligent Computational Skills	CSE	
9	Cyber Security and Integrity		
10	Image Processing Using MATLAB		
11	Data Science for Beginners	Information Technology	
12	Cyber Security		
13	Optimization in Power System Operation, Planning and, Application of FACTS Devices	Electrical Engineering	
14	Biomedical Signal and Image Processing using MATLAB/OCTAVE Platform		
15	Control and Automation	Electronics Engineering	
16	Renewable Energy: Applications & Modelling	Mechanical Engineering	

REGISTRATION

Online Registration for Students	
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CONTACT

For any query, please contact through Email: tnp@mitsgwalior.in

FINISHING SCHOOL PROGRAM - 2021

For Pre-Final Year Students

Link for the Web Page for all details related to courses and Process:-

<https://www.mitsgwalior.in/fs2021.htm>

Students Registered in the above mentioned Courses:-

https://docs.google.com/spreadsheets/d/1x_SvG73DwyS2C_WEsKz4JgBANJU9cBXrk8e5CoPuYNQ/edit?usp=sharing

Certificates provided to successful candidates:-

<https://docs.google.com/spreadsheets/d/1gucamamNRLwCS-nEq9AKJe75zYhEbrJ9/edit?usp=sharing&oid=113664649292705665176&rtpof=true&sd=true>

FEEDBACK collected from Students:-

https://docs.google.com/document/d/1_n3CRnlk_2pcWPJxHIOoZswqkJBDtvSZ/edit?usp=sharing&oid=113664649292705665176&rtpof=true&sd=true

SAMPLE CERTIFICATE:-

<https://drive.google.com/file/d/1r574dLYTpW66qjuw6mC5yXPRTjuIwsuV/view?usp=sharing>



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

Reg No: FS2021-1

Certificate of Internship

This is to certify that

Vikram Rajput

has attended Finishing School Program(Online Internship)

on

Medical Device Innovation and secured (A) Grade

conducted by Madhav Institute of Technology & Science, Gwalior
during May-June 2021.

(Er. Vikram Rajput)
Coordinator FSP, T&P Officer

(Dr. Rajeev Kansal)
Dean, Students Welfare



Finishing School Program (Online Internship) at MITS Gwalior for Pre-Final Year Students, Starting from 14th May, 2021

Vikram Rajput, MITS Gwalior <tnp@mitsgwalior.in>
To: Narendra Singh Rawat <narendrasingh41847@mitsgwalior.in>

Thu, Jul 14, 2022 at 5:09 PM

----- Forwarded message -----

From: **Vikram Rajput, MITS Gwalior** <tnp@mitsgwalior.in>

Date: Wed, May 12, 2021 at 12:24 PM

Subject: Finishing School Program (Online Internship) at MITS Gwalior for Pre-Final Year Students, Starting from 14th May, 2021

To: R R Singh <rrsingh@mitsgwalior.in>

Cc: Director MITS <director@mitsgwalior.in>, DR.MANJAREE PANDIT <manjaree_p@mitsgwalior.in>, <hod@mitsgwalior.in>, Dr. Manoj Kumar Gaur <mkgaur@mitsgwalior.in>, Atul Chauhan <atul@mitsgwalior.in>, Rajeev Kansal <rkansal19@mitsgwalior.in>, Dr. Pratesh Jayaswal <pratesh_jayaswal@mitsgwalior.in>

Madhav Institute of Technology & Science, Gwalior, M.P., India

A Govt. Aided UGC Autonomous & NAAC Accredited Institute, Estd. in 1957
(Affiliated to RGPV, Bhopal)

FINISHING SCHOOL PROGRAM (ONLINE INTERNSHIP) 2021 For Pre-Final Year Students

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Salient Points-

- The Finishing School module will be treated as equable to Internship.
- Details of courses offered are available below.
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- Caters to Industry readiness and overall personality enhancement.

ELIGIBILITY AND OTHER INSTRUCTIONS

1. The Finishing School Program (Online Summer Internship) is designed only for pre-final year students of MITS, Gwalior.
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6	Field Outlook in Civil Engineering Projects		
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8	Applied and Intelligent Computational Skills	CSE	
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15	Control and Automation	Electronics Engineering	
16	Renewable Energy: Applications & Modelling	Mechanical Engineering	

REGISTRATION

Online Registration for Students

<https://forms.gle/L29P2bXcU1uF7VoJA>


















CONTACT

For any query, please contact through Email: tnp@mitsgwalior.in

18 attachments



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308K

-  **16 ME AU_FSP-2021.docx**
35K
-  **13 Electrical Module 1_Optimization in Power System Operation, Planning and, Application of FACTS Devices.docx**
23K
-  **2 Biotech_FSP 2021_Medical device innovation.docx**
27K
-  **14 Electrical Module 2_Biomedical Signal and Image Processing using MATLABOCTAVE Platform.docx**
31K
-  **3 Chemical_Process Integration & Automation in Chemical Industries.pdf**
210K
-  **8 CSE Module 1_Applied-computational Skill.pdf**
104K
-  **7 Civil Module 4 - Structural Design of a Two Storey RC Building.pdf**
549K
-  **6 Civil Module 3- Field Outlook in Civil Engineering Projects.pdf**
678K
-  **4 Civil Module 1-Matrix Analysis of Structures.pdf**
788K
-  **5 Civil Module 2- Environmental Engineering Design of Sewage Treatment Plant.pdf**
761K
-  **9 CSE Module 2_Cyber Security.pdf**
440K
-  **10 CSE_Module 3_Image_Processing_Using_MATLAB.pdf**
90K
-  **11 IT Module 1_Data Science for Beginners_IT.pdf**
630K
-  **1 Architecture_Advanced Software Application in Architecture.pdf**
424K
-  **12 IT Module 2_Cyber Security_IT.pdf**
690K
-  **15_EC & ET_Control & Automation.pdf**
607K
-  **FSP 2021 Document brief for Website.docx**
55K

Two Week Value Added Programme –2020

For
B.E/ B.Tech/BArch Students

11th May to 28th May 2020

VAC  **Value Added
Courses**



Estd. 1957

Organized by
**Madhav Institute of Technology &
Science**

(A Govt. Aided UGC Autonomous & NAAC Accredited
Institute affiliated to R.G.P.V. Bhopal, M.P)

www.mitsgwalior.in

ABOUT PROGRAMME

Internships/Value added courses 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,
ScindiaEngg. CollegeSociety

Chairman

Dr.R.K.Pandit

Director

Coordinator

Dr. Rajeev Kansal

Dean Student Welfare

Co-Coordinator I Year

Prof.Praveen Bansal
Prof.Swati Gupta

Assistant Professor ,EED
Assistant Professor ,Ch.ED

Co-Coordinator II Year

Dr.SanjeevKhanna

Associate Professor, Humanities

ELIGIBILITY

Students pursuing I & II Year BE/BTech in any branch of Engineering & BArch 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 program will be conducted by Faculty members of MITS Gwalior.

VALUE ADDED COURSES/MODULES

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

1. 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*

2. 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*

3. 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.*

4. Electronics Department

- *Electronic Circuit Design Using LT-spice*
- *Python For Engineers*
- *Training On Sci-Lab*

5. CSE & IT Department

- *Analytics Using R Tool*
- *Internet Of Things (IoT)*
- *Python Programming With Applications To Machine Learning*
- *Front end web developer*
- *Google Services*

6. Chemical Engineering Department

- *Chemical Reaction Engineering: A Flyover Between Nano And Macro World*
- *Introduction To Analytical Instruments*
- *Introduction Of Mineral Processing And Challenges*

7. 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*

8. Architecture Department

- *Digital Painting*
- *Built & Cultural Heritage*

9. 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 Value added course. 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: Course fee Rs. 1000/-+GST(18%)

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

Payment has to be 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**

Assessment

Assessment and evaluation of the performance will be done by respective Module Coordinator's-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

Dr. Sanjeev Khanna (9826804951)

II Year

For any query mail on : internship@mitsgwalior.in

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

SAMPLE CERTIFICATE

MITS/2020/SIP/⟨⟨S.No.⟩⟩



Value Added Programme 2020

This Certificate is awarded to ⟨⟨Name⟩⟩ of B.E./BTech I Year
⟨⟨Branch⟩⟩ for successfully completing the Value Added Programme 2020
on "⟨⟨Module⟩⟩" held during 11th May 2020 to 28th May 2020. We wish
him/her all the best for future endeavours.

Prof. Swati Gupta

Co-Coordinator

Prof. Praveen Bansal

Co-Coordinator

Dr. Rajeev Kansal

Coordinator & Dean (Student Welfare) 1

Madhav Institute of Technology & Science, Gwalior, M.P., India

A Govt. Aided UGC Autonomous & NAAC Accredited Institute, Affiliated to RGPV, Bhopal
(Estd. in 1957)

FINISHING SCHOOL PROGRAM 2020

For Pre-Final and Final Year Students

ABOUT FINISHING SCHOOL

Madhav Institute of Technology and Science introduces the Finishing School Program, 2020 (Online Internship). Catering to Pre-Final as well as Final year students of the Institute, the Module aspires to instil a synergy of both Soft Skills and Technical Acumen. It is a golden opportunity for students who haven't been able to apply for an Internship due to the COVID-19 Crisis. In keeping with Universal standards, the module boasts of skills required for Industry Readiness of contemporary times as well as aims to target the marketplace of the future.

Salient Points-

- The Finishing School module will be treated as equable to Internship.
- Details of courses offered are available now.
- Module follows international standard of Finishing Schools.
- Caters to Industry readiness and overall personality enhancement.


ELIGIBILITY AND OTHER INSTRUCTIONS

1. The Finishing School Program is designed only for pre-final & final year students
2. Participants must have Laptop/Desktop or Smart Phone with Internet Connection. The students must apply online.
3. Students can choose any interdisciplinary module as well depending on their interest and background knowledge.
4. The Finishing School Program/ Online Summer Internship Program is free for the participants of pre-final & final year students of MITS.
5. The participants outside the Institute may also join the Program on payment basis.
6. This online module will be conducted under the Finishing School Program which will be considered equivalent to Online Internship of Pre-final year students who could not get any Internship during this situation.
7. Duration of this program will be of five weeks which is equivalent to summer Internship period as per AICTE and our Institute policy. Daily no. of hours of online training may be flexible.
8. Soft Skills part will be covered by T&P Cell under Campus Placement Preparation Classes mainly for MITS students. For Outside students online sessions may be conducted as an add on in continuation of the technical session.
9. Certificates will be issued to candidates who have attendance 75% or more and also score more than 60% in the test

Dates



- **Duration: 30 Days (Approximately)**
- **Registration Last Date: 17th May 2020 till 12:00 Noon**
- **Program Start From: 18th May 2020**

MODULES

S.No.	Modules	Department	
1	Medical Device Innovation	Biotechnology Engineering	

2	Process Integration & Automation in Chemical Industries	Chemical Engineering	More details
3	Matrix Analysis of Structures	Civil Engineering	More details
4	Environmental Engineering Design of Sewage Treatment Plant		
5	Field Outlook in Geo-technical Engineering Projects		
6	Energy Efficient Building (Planning, Design & Evaluation) and Pavement Design and Materials(Overview)		
7	Structural Design of a Two Storey RC Building and MS Project		
8	Administrative Functions Automation and Data Loading	CSE&IT	More details
9	Applied Computational Skills		
10	Cyber Security		
11	Data Science		
12	Soft Computing Techniques in Engineering	Electrical Engineering	More details
13	Biomedical Signal and Image Processing using MATLAB/OCTAVE Platform		
14	Robotics and Automation	Electronics Engineering	More details
15	Advances in Mechanical Engineering	Mechanical Engineering	More details

REGISTRATION

Online Registration for MITS Students (Pre-final and Final year)	
Online Registration for Outside Students other than MITS Gwalior	
<u>Note:</u>	

Registration fees is Rs. 1180/- (Including GST)

Payment has to be done through Online Transaction and only after successful payment the registration process will be completed. Account details are as follows

Payment Receipt Soft Copy and transaction details MUST be needed to complete registration form

Account Name- DIRECTOR MITS STUDENT

Account Number- 521202051000101

Bank Name- Union Bank of India

IFSC Code- UBIN0570036

Branch - MITS Gwalior Branch

Fees once paid will not be refunded.

CONTACT

For any query, please contact through Email: tnp@mitsgwalior.in

Students Registered in the above mentioned Courses:-

https://docs.google.com/spreadsheets/d/1axwB680qGMrnse_oF_LB7xja5kxWKKYiLtDOOqYklyY/edit?usp=sharing

Certificates provided to successful candidates:-

<https://docs.google.com/spreadsheets/d/1TfftT5GmSIPhvYOxGvDjH8uf4BQeLy-k/edit?usp=sharing&oid=113664649292705665176&rtpof=true&sd=true>

SAMPLE CERTIFICATE:-

https://drive.google.com/file/d/1OX_DSfUbNZZISygd6ZQgXoG66qt6GG0g/view?usp=sharing



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

Reg No: FS2020-449

Certificate of Internship

This is to certify that

Yogesh Sharma

has attended Finishing School Program(Online Internship)

on

Cyber Security and secured (A) Grade

conducted by Madhav Institute of Technology & Science, Gwalior
during May-June 2020.

(Er. Vikram Rajput)
Coordinator FSP, T&P Officer

(Dr. Rajeev Kansal)
Dean, Students Welfare



Finishing School Program (Online Internship), May 2020 at MITS Gwalior starting 18th May, 2020 (It's free for MITS Students)

Vikram Rajput, MITS Gwalior <tnp@mitsgwalior.in>

Tue, May 12, 2020 at 5:26 PM

To: ushrivastava0@gmail.com, pradeepshakya09061994@gmail.com, ghorpadeshefali8@gmail.com, gauravsaraswat115@gmail.com, sarojgangil2017@gmail.com, pallavichy81@gmail.com, sonamgoyal217@gmail.com, vipinlakshakar254@gmail.com, ishika.mittal9876@gmail.com, musbhargava2709@gmail.com, pragatisachan171@gmail.com, harrysharma695@gmail.com, kanchisharma862@gmail.com, chiraggupta072@gmail.com, dixitshilpa1998@gmail.com, radhikashrivastava2904@gmail.com, saksh2580@gmail.com, jaygupta501@yahoo.com, rajpootniketna@gmail.com, sikarwarsingh.durgesh@gmail.com, vyass4800@gmail.com, chitwanyadav07@gmail.com, 786ojhad@gmail.com, gkhare50@gmail.com, kumariruchi1910.1997@gmail.com, pathakdeeksha1996@gmail.com, himanshisoni039@gmail.com, smritibandil476001@gmail.com, adiyadav.902@gmail.com, piyushsingh220799@gmail.com, ankitshrotriya687@gmail.com, yashshivhare020@gmail.com, Abhishek Srivastva <abhishek13668@gmail.com>, sanyajain3157@gmail.com, Ritik Barua <b.ritik45@gmail.com>, shivamjha170@gmail.com, starpitbansal@gmail.com, yadav8359000581@gmail.com, Vibhor Choubey <choubeyvibhor06@gmail.com>, jainjatin1008@gmail.com, Ashutosh Pansari <pansariashutosh@gmail.com>, Mohit Chandel <mohit.chandel512@gmail.com>, surendra2016jadhaw@gmail.com, abhishek gupta <guptabhishek90@gmail.com>, sapranshuagrawal95p@gmail.com, yprajapati647@gmail.com, Prayas Bhadauria <pbhadauria94@gmail.com>, kaushalgajendra7@gmail.com, Arjith Vashishth <arjithvashishth12@gmail.com>, Utkarsh Singh <utkarshsingh.us1998@gmail.com>, Ananya Jain <ananyaaj99@gmail.com>, ankitgangil97@gmail.com, harshitr860@gmail.com, Manas Bilgaiya <manasbilgaiya25@gmail.com>, Pankaj Kirar <kirarpankaj345@gmail.com>, Vasu Pandey <vasupandeyapenz@gmail.com>, ayushimishra729@gmail.com, Kartikey Vashishtha <kartikeyvashishtha@gmail.com>, priyanshirajput685@gmail.com, Priyansh Bhadoriya <priyanshb8@gmail.com>, agrawal150799@gmail.com, sshraddhashukla1999@gmail.com, Ankitsharma26mits@gmail.com, shivanit8085@gmail.com, RAVI KUSHWAH <ravikushwah161@gmail.com>, PRATEEK ARORA <arora26prateek@gmail.com>, omega king <naman777rathore@gmail.com>, ra974129@gmail.com, Akshat pandey <akshatp500@gmail.com>, Aditya Soni <adityasoni17adi@gmail.com>, ayushitomar688@gmail.com, vilasbhadoria1999@gmail.com, shivamaditya88sharma@gmail.com, dhamaniaprashant@gmail.com, Clashing with Devil Warrior's <kushwahpankaj372@gmail.com>, Shivank Namdeo <shivanknamdeo68@gmail.com>, amulya23dwivedi@gmail.com, karambelkarkartik4@gmail.com, amritpandey125@gmail.com, Ankitshivhare04081998@gmail.com, Mayank kumar <kumarmayank153@gmail.com>, mukund purohit <mukund0923@gmail.com>, Ravindra Sanadya <sanadyaravindra5@gmail.com>, divyampachori23@gmail.com, vinodm1098@gmail.com, rohanbathre2016@gmail.com, Deepak sharma <amitsharma0650@gmail.com>, shubhampratapgwl@gmail.com, Pranay Jain <pranayjain099@gmail.com>, harsh28111999@gmail.com, Rahul Ghatode <rahulk.ghatode08@gmail.com>, parya2573@gmail.com, prakashpal203@gmail.com, akashguptaji1999@gmail.com, Rishabh Jain <jainrishabh0611@gmail.com>, aman singh uikey <amansinghuikey123@gmail.com>, vipultripathi111@gmail.com, agrawal29ritik@gmail.com, patel1998ashish@gmail.com, arjunamansingh3@gmail.com, Anand Singh <anand2110singh@gmail.com>, vittoliahimanshu@gmail.com, Hardik Kulshrestha <hardik.kulshrestha09@gmail.com>, Abhishek Jain <jain.abhishek2000@gmail.com>, amardeep patel <patelamardeep1998@gmail.com>, Kushal Shrivastava <kushal249c@gmail.com>, vermashalini1911@gmail.com, rohingshbhadoria080@gmail.com, uttu.saxena99@gmail.com, Deepanshi Katra <deepanshi.katra@gmail.com>, sanjay Mittoliya <sanjaymittoliya99@gmail.com>, somtikariya@gmail.com, sanskritisharma2478@gmail.com, Narendra Chhawri <narendrachhawri@gmail.com>, anjalishrivastav0510@gmail.com, tanay.dwivedi7512@gmail.com, ankitasingh688964@gmail.com, sikarwarmayanka@gmail.com, sunny211999@gmail.com, thakurlokesh0007@gmail.com, Shivangi Shrivastava <shivangi03101999@gmail.com>, giriraj soni <giriraj.soni1998@gmail.com>, dishantsharma9907@gmail.com, maruth39jain@gmail.com, ghj@gmail.com, ebhurji@gmail.com, shruti bajpai <bajpai.shruti12@gmail.com>, Harshit Bhatnagar <101bhatnagar@gmail.com>, shivamgautam20999@gmail.com, Jatin Patel <jatinkishorepatel@gmail.com>, Yash Rules <ysharma761@gmail.com>, yashparmar1990@gmail.com, Parag Maheshwari <parag331999@gmail.com>, gour.abhishek1997@gmail.com, yashdevmishra1@gmail.com, jaya harsh <jayaharsh051@gmail.com>, Aman Rajput <amanraj707207@gmail.com>, amitsinghjeemain@gmail.com, adarsh8225@gmail.com, aditigoswami1999@gmail.com, Anand singh chaurasiya <ak47bhaya@gmail.com>, pratyushsharma949@gmail.com, Sandeepmits100@gmail.com, Nitesh Singh <niteshkvd1@gmail.com>, rpy1803@gmail.com, aditichourey98@gmail.com, anunayvimal@gmail.com, raitarun856@gmail.com, Kush Patel <kushpatel75.kp@gmail.com>, suryaprakashgangarekar007@gmail.com, pratyushigour@gmail.com, ankitmishra3020@gmail.com, vmgmurli@gmail.com, Pradhumn Singh Jadon <jadonpradhumnsingh18898@gmail.com>, akanksha PATEL <nitin00000patel@gmail.com>, sandeeparihar813@gmail.com, bamboriyarajesh@gmail.com, staffsdot@gmail.com, rsdeva84@gmail.com, pawandev94520@gmail.com, ranibrahamwanshi6667@gmail.com, pradeep kumar <pradeepkumarpatel1998@gmail.com>, sangeetaahirwar8342@gmail.com, anvesh singh tomar <anvesh7singhtomar@gmail.com>, kataramit213@gmail.com, Rahul Singh <rahul9827193441@gmail.com>, rishi jha <Rishiyours123@gmail.com>, solankikartik1212@gmail.com, singh832shalini@gmail.com, devalakshya119@gmail.com, Drongir Singh <drongirsingh21000@gmail.com>, Preet Vardhan Sharma <preetvardhansharma@gmail.com>, lovedamor4499@gmail.com, Movies Encounter <nikhilchopra44@gmail.com>, ushakya25@gmail.com,

deepeshpratap.ee15@gmail.com, Leo SHREYASH Jain <shreyashjain062@gmail.com>, arunahirwat0912@gmail.com, saurabhahirwar9692@gmail.com, Twinklethakur99@gmail.com, Skansana555@gmail.com, nishasengar1@gmail.com, mukul.gorakh1812@gmail.com, tyagiadarsh42@gmail.com, Ekansh Wagadare <ekanshw99@gmail.com>, Niraj Singh <nirajsingh1208@gmail.com>, khalongthonger@gmail.com, Ritik Sharma <ritiksharma1777@gmail.com>, BHAKTI SONGS <priyasukumar4@gmail.com>, jeyaulmustafa8@gmail.com, prajawal001@gmail.com, sudhanshug815@gmail.com, gaganlaxkar54@gmail.com, Adarsha Sharma <adarshasharma901@gmail.com>, Deepak kumar tyagi <deepak.kumartyagi07@gmail.com>, gsakshay27@gmail.com, akshay sharma <akshay998sharma@gmail.com>, Vaibhav.vs176@gmail.com, Ayush Gupta <ayushgpt0507@gmail.com>, pradhumanshrivas2410@gmail.com, Abhishek Singh <abhisheksingh9575@gmail.com>, shubhammit25@gmail.com, aman kashyap <amankashyap077@gmail.com>, Akshat Thakur <akshat.t7795@gmail.com>, amanrathore1810@gmail.com, ALOK KUMAR <alok741501@gmail.com>, tanyamahato9899@gmail.com, Jay srivastav <jaishrivastav21@gmail.com>, ahirwardinesh7788@gmail.com, hs4923801@gmail.com, Ashok Gupta <ashokguptaujn@gmail.com>, Jatin Gupta <jatingupta4404@gmail.com>, samikshashabde@gmail.com, sahu.saumya2012@gmail.com

Dear Students,

Hope you and your family are safe during this Pandemic.

Madhav Institute of Technology and Science introduces The Finishing School Program, 2020 (Online Internship). Catering to Pre-Final as well as Final year students of the Institute, the Module aspires to instill a synergy of both Soft Skills and Technical Acumen. It is a golden opportunity for students who haven't been able to apply for an Internship due to the COVID-19 Crisis. In keeping with Universal standards, the module boasts of skills required for Industry Readiness of contemporary times and aims as well to target the marketplace of the future.

Salient Points-

- The Finishing School module will be treated as equable to Internship.
- Details of courses offered are available now.
- Module follows international standard of Finishing Schools.
- Caters to Industry readiness and overall personality enhancement.

Please Note:-

1. Read all instructions carefully and firstly, please check the Module detailed course given at website (<http://mitsgwalior.in/internship2020n.htm>) to choose any one online course under Finishing School Program Notification.
2. Students can choose any interdisciplinary module as well depending on their interest and background knowledge.
3. The Soft Skills part will be covered by T&P Cell under Campus Placement Preparation Classes. For Outside students online session may be added at the end of Technical Sessions

Eligibility and other Instructions:-

1. The Finishing School Program/ Online Summer Internship Program is designed only for pre-final & final year students of Electrical Engineering Department.
2. Participants must have Laptop/Desktop or Smart Phone with Internet Connection.
3. The students MUST apply on line.
4. The Finishing School Program/ Online Summer Internship Program is free for the participants of pre-final & final year students of MITS.
5. The participants outside the Institute may also join the Program on payment basis.
6. This online module will be conducted under the Finishing School Program which will be considered equivalent to Online Internship of Pre-final year students who could not get any Internship during the Lock-down period observed nation-wide.
7. Duration of this program will be of five weeks which is equivalent to summer Internship period as per AICTE and our Institute policy. Daily no. of hours of online training may be flexible.
8. Certificates will be issued to candidates who have attendance 75% or more and also score more than 60% in the test.

Online Registration for MITS Students and Other Outside Students starts now: <http://mitsgwalior.in/internship2020n.htm>

Registration Fees for Outside Students: Rs. 1000 + GST (Total Rs. 1180/-, Payment receipt copy and details will be required to complete registration form).

Please inform all your friends in other colleges and cities.

For more details please visit: www.mitsgwalior.in and if you have any query, please write it to tnp@mitsgwalior.in

Thanks,
T&P Cell
MITS Gwalior



Finishing School @ MITS Gwalior May 2020.png
305K

RESOURCE PERSONS

The various sessions of this program will be conducted by faculty members of MITS Gwalior and experts from industries.

VALUE ADDED COURSES/MODULES

Modules offered for I Year (BE/BTECH/BArch)

1. Civil Engineering Department

- Use of Modern Surveying techniques in survey works
- In-house testing of Engineering Materials
- Developing concepts of smart village through model
- Learning of computational methods in Civil Engineering using MATLAB
- Plumbing Work

2. Mechanical Engineering Department

- Conventional Machines
- Introduction to AUTOCAD for Engineering application
- Mechanical testing and measurement
- Dismantling & assembly of two stroke & four stroke engine

3. Electrical Engineering Department

- Designing and Modelling of Electrical Components
- Designing and Modelling of Electronics Components
- Introduction to MATLAB programming for Engineers
- Electricity usage for domestic and Industrial application
- Hands on training for Image processing using MATLAB
- Introduction to Solar PV array & application using Power Electronics

4. Electronics Department

- Training on MATLAB
- Training on Digital Circuit Design
- Training on Electrical Circuit design using LT-Spice
- Training on Electrical Measuring Instruments

5. CSE & IT Department

- Front end web developer
- Computer Hardware and Networking
- Relational database using SQL
- Problem solving through programming
- Microprocessor & Interfacing techniques
- Google Services

6. Chemical Engineering Department

- Application of environmental biotechnology in chemical Engineering
- Utility of heat transfer in process industry
- Introduction to Analytical Instrument

7. Biotech Department

- Basics of Bioinformatics
- Basic tools of Molecular modelling
- Comparison of Water Quality collected from public place with standard quality parameters
- Commercial plant and Tissue culture techniques

8. Applied Science Department

- 3-D Scientific Photography
- Nano structured transition metal oxides for photo catalytic applications
- Statistical Methods
- Abstract algebra
- Detection and identification of contaminants using UV spectroscopy
- Analysis of Mixtures by using the Chromatographic Technique.

9. Architecture Department

- Earth Workshop (Raw & Rammed earth)
- Bamboo Workshop (Geodesic dome)
- Regenerative use of Scrap materials through sustainable approach

10. Entrepreneurship Development Cell(EDC)

- Entrepreneurship awareness programme
- Computer fundamentals with web concepts
- Basics of refrigeration & Air conditioning (RAC)

Modules offered for II Year (BE/BTECH/BArch)

- **Humanities Department**
 - Soft Skills

HOW TO APPLY/REGISTRATION

Interested students are required to apply online through link available on Institute Website www.mitsgwalior.in. It is required to upload the scanned copy of demand draft (DD) should be in favour of “ **Director, MITS, Gwalior**” payable at Gwalior. The amount of DD should be as follows

I Year: Course fee Rs. 2500/-
II Year: Course fee Rs.3500/-

If accommodation in Institute Hostel(only for outside Gwalior students) is required then add an amount of **Rs.3500/- in DD** towards loading and boarding.

The print of online filled application form duly forwarded by HOD/Principle along with DD should be sent to following address latest by **20th May 2019**:

Director
Madhav Institute of Technology and science, Gwalior
Race Course Road, GolekaMandir, Gwalior - 474005,
Madhya Pradesh, India

Write in the top of envelope “Application for Value Added Programme Programme 2019 (I/II Year)”

The selection is **on first come first served basis through registration online**, depending upon the availability of the seats. Selected participants will be informed by **24th May 2019**

Registration charges are non-refundable for selected participants.

For any query mail on internship@mitsgwalior.in

DATES& TIMINGS

- 30May to 14 June 2019 (09:00-13:00)
- For II Year : 1June to 16 June 2019(10:00-17:00)

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

SAMPLE CERTIFICATE

MITS/2019/SIP/⟨⟨S.No.⟩⟩



Value Added Programme 2019

This Certificate is awarded to ⟨⟨Name⟩⟩ of B.E./Btech ⟨⟨Branch⟩⟩ for successfully completing the Value Added Programme 2019 on "⟨⟨Module⟩⟩" held during 30th May 2019 to 14th June 2019. We wish him/her all the best for future endeavours.

Prof. Swati Gupta
Co-Coordinator

Prof. Praveen Bansal
Co-Coordinator

Dr. Rajeev Kansal
Coordinator & Dean (Student Welfare) 41

Two Week Value Added Programme– 2018

For
B.E/ B.Tech/BArch Students

28th May to 14th June 2018



Est. 1957

Organized by

**Madhav Institute of Technology &
Science**

(A Govt. Aided UGC Autonomous & NAAC Accredited
Institute affiliated to R.G.P.V. Bhopal, M.P.)

www.mitsgwalior.in

ABOUT PROGRAMME

Internships/Value added courses are educational and career development opportunities, providing practical experience in a field or discipline. Following are the intended objectives of 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 from the courses in discussions held in the 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 Ex MLA and Secretary,
Scindia Engineering College
Society

Chairman

Dr. R.K. Pandit Director

Coordinator

Dr. Rajeev Kansal Professor, Department of Civil
Engineering

Co-Coordinator I Year

Prof.Praveen Bansal Assistant Professor ,EED

Co-Coordinator II Year

Dr.Sanjeev Khanna Assistant Professor, Humanities

ELIGIBILITY

Students pursuing I & II Year BE/BTECH in any branch of Engineering & BArch from recognized Academic Institutions/ Universities

Note: Seats are limited to 50 (Fifty) in each module

VENUE

Respective departments of MITS , Gwalior

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 program will be conducted by faculty members of MITS Gwalior and experts from industries.

VALUE ADDED MODULES/COURSES

Modules offered for I Year (BE/BTECH/BArch)

1. Civil Engineering Department

- Working Model of Water Harvesting System
- Surveying using Total Station and Conventional methods
- Civil Engineering Structures Model Making
- Building Elements- Model Making

2. Mechanical Engineering Department

- Conventional Machines
- Dismantling & assembling of two strokes & four Stroke Engine.
- Repair and maintenance of a vehicle.
- Introduction to Auto CAD for Engineering Applications
- Mechanical Testing and Measurement
- Metrology and Measuring Instruments Practices

3. Electrical Engineering Department

- Designing and Modelling of Electrical Components
- Designing and Modelling of Electronics Components
- Introduction to MATLAB programming for Engineers
- Electricity usage for domestic and Industrial application

4. Electronics Department

- TV & Motherboard
- PCB Designing & Circuit Wizard
- Matlab
- Digital Circuit Design
- Electrical Circuit Design Using LT-Spice
- O.S. Installation & Networking

5. CSE & IT Department

- Android Application Development
- Computer Hardware and Networking
- Relational database using SQL
- Problem solving through programming
- Microprocessor & Interfacing techniques
- Google Services
- User Interface Design

6. Chemical Engineering Department

- Application of measuring devices in chemical process industries
- Utility of Heat transfer in process industry

7. Biotech Department

- Bio-monitoring of water quality

8. Applied Science Department/MCA

- Optimization Techniques
- Production of Soaps
- 3-D Scientific Photography
- Web Designing
- Graphic Design
- Animation Creation

9. Architecture Department

- Development of Working drawing with the help of Measurement drawing

10. Entrepreneurship Development Cell(EDC)

- Entrepreneurship awareness programme
- Computer fundamentals with web concepts
- Basics of refrigeration & Air conditioning (RAC)

11. Humanities

- Visual Arts and Culture
- Listening & Speaking
- Reading & Writing

Modules offered for II Year (BE/BTECH/BArch)

- **Humanities Department**
 - Soft Skills

HOW TO APPLY/REGISTRATION

Interested students are required to apply online through link available on Institute Website www.mitsgwalior.in. It is required to upload the scanned copy of demand draft (DD) should be in favour of “ **Director, MITS, Gwalior**” payable at Gwalior. The amount of DD should be as follows

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The print of online filled application form duly forwarded by HOD/Principle along with DD should be sent to following address latest by **20th May 2018**:

Director
Madhav Institute of Technology and science, Gwalior
Race Course Road, Goleka Mandir, Gwalior - 474005,
Madhya Pradesh, India

Write in the top of envelope “Application for Value Added Programme 2018 (I/II Year)”

The selection is **on first come first served basis through registration online**, depending upon the availability of the seats. Selected participants will be informed by **24th May 2018**

Registration charges are non-refundable for selected participants.

For any query mail on internship@mitsgwalior.in

DATES & TIMINGS

28th May to 14th June 2018

MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR

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

SAMPLE CERTIFICATE

MITS/2018/SIP/⟨⟨S.No.⟩⟩



Value Added Programme 2018

This Certificate is awarded to ⟨⟨Name⟩⟩ of B.E./Btech ⟨⟨Branch⟩⟩ for successfully completing the Value Added Programme 2018 on "⟨⟨Module⟩⟩" held during 28th May 2018 to 14th June 2018. We wish him/her all the best for future endeavours.

Prof. Swati Gupta

Co-Coordinator

Prof. Praveen Bansal

Co-Coordinator

Dr. Rajeev Kansal

Coordinator & Dean (Student Welfare) 44