

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 NPTEL Local Chapter

For

Academic Session: Jan-June 2018





Madhav Institute of Technology & Science, Gwalior (M.P.)

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

Race Course Road, Gole ka Mandir, Gwalior - 474005, Madhya Pradesh, India

Email: infomitsgwl@gmail.com, director@mitsgwalior.in Tel: 0751-240-9354 Fax: 0751-266-4684



ABOUT NPTEL LOCAL CHAPTER

The National Programme on Technology Enhanced Learning (NPTEL), a project funded by the Ministry of Human Resource Development (MHRD), provides e-learning through online Web and Video courses in Engineering, Sciences, Technology, Management and Humanities. This is a joint initiative by seven IITs and IISc Bangalore. Other selected premier institutions also act as Associate Partner Institutions.

Local Chapter is an initiative taken by the project NPTEL to encourage students across the country and ensure that online education reaches everybody. Local Chapter is a simple process a faculty of the college would be our single point of contact (SPOC). NPTEL team keeps the SPOC updated about all the latest NPTEL initiatives and information which he can disseminate among the students.

MITS-NPTEL LOCAL CHAPTER

When it comes to the overall development of students, **Madhav Institute of Technology & Science** leaves no stone unturned. We are happy to announce that now we are LOCAL CHAPTER of NPTEL in association with IIT BOMBAY. The Institute has started NPTEL local Chapter on **30th Oct 2017** to provide e-learning through on line Web and Video courses in Engineering, Sciences, and Technology among students.



MITS-SPOC (Single Point of Contact) : Prof. Praveen Bansal, Assistant Professor , EED

Prof. Praveen Bansal
SPOC, Local Chapter

MAIN OBJECTIVE OF NPTEL

The main objective of NPTEL is to make learning material available to students of engineering Institutions through easier means. The broad aim of the project is to facilitate the competitiveness of Indian industry in the global markets through improving the quality and reach of engineering.

IMPACT OF NPTEL

NPTEL contents are being used by various educational institutions as part of their teaching learning process. While faculty members are using these contents as part of their lesson plan to teach university curriculum, students are using NPTEL not only to prepare for technical jobs and competitive exams, but also as a platform for constant learning and updating knowledge for the ever-changing environment and market realities. NPTEL contents are designed such that they enhance and complement students' residential learning experience at their given institutions.

GATE PREPERATION THROUGH NPTEL

GATE is IIT's competitive entrance exam for Master's and Doctoral programs across India. NPTEL provides GATE question papers and mock tests on its official website nptel.ac.in. Previous 3 year question papers with reference to NPTEL content are available. Practice tests (without solution) are also available for students that mimic the actual online exam pattern.

INNOVATIVE TEACHING –LEARNING MODEL THROUGH SWAYAM-NPTEL

- For increasing the effectiveness of the on-line learning platforms, the institute appointed one faculty as SWAYAM coordinator from each department. To monitor the progress at institute level, one faculty was appointed as SWAYAM manager.
- Two credits each are allotted to self-study courses at IV and VI semester.
- The following evaluation guidelines are used for the self-study courses:
 - Continuous evaluation by the teacher(s) of the course through (Seminar/Presentation/Group discussions) weekly (Example: if there are 12 working weeks then 12 student groups were formed for evaluation through presentation) (Weightage of Marks: 40%)
 - Evaluation through one Midterm Exam (Weightage of Marks: 20%)
 - One Quiz through Institute MOODLE (Weightage of Marks: 20%)
 - Monitoring and record of attendance (Weightage of Marks: 20%)

FACULTY AND STUDENT PARTICIPATION

- **Total 25 courses were run by 11 different departments**
- Total number of **students enrolled/registered** in MITS : 2019
- Number of students filled **NPTEL exam registration** form : 138
- Total number of **departments participated** in NPTEL : 11
- Total number of **NPTEL courses** run by various departments : 25
- Total number of faculty/SME's registered for NPTEL courses : 60
- Total number of students filled NPTEL exam registration form : 138
- Number of students appeared in Exam : 130
- **Number of students qualified** : 119 (92%)
 - Elite + Gold Medal (score of 90% and above) : 03
 - Elite (score between 60% -89%) : 80
 - Successfully completed the course(score between 40% -59%) : 36

ACIEVEMENTS UNDER NPTEL LOCAL CHAPTER

“The MITS Chapter ranked among top 100 Active NPTEL local Chapters of the country for Academic year 2017-18. (87th in 1242 NPTEL Local Chapters)”

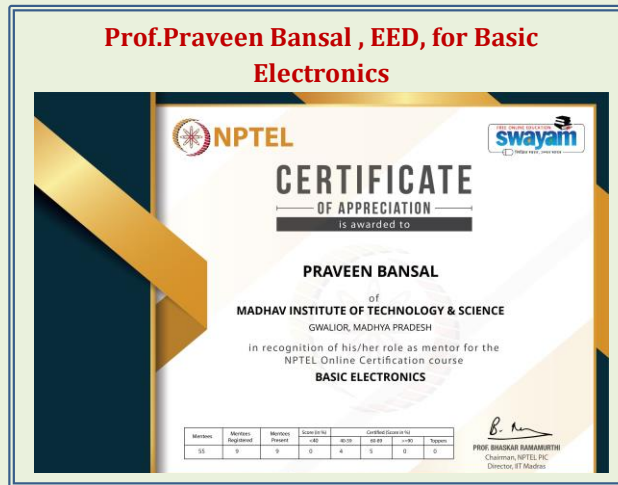


Prof. Praveen Bansal
SPOC, Local Chapter

FACULTY ACHIEVEMENTS

- Total of **eleven faculties** from various departments awarded as a role of best/top mentor for NPTEL Online Courses for academic session Jan-June 2018

Prof.Praveen Bansal , EED, for Basic Electronics



Prof.R.R. Singh, CSE as top performing Mentor



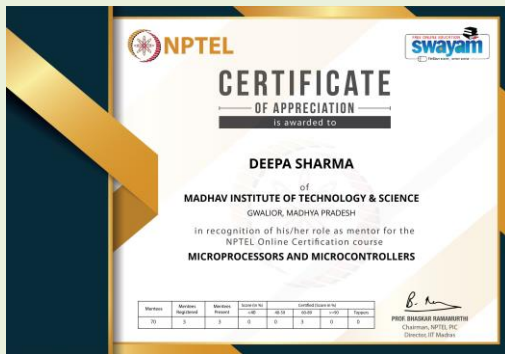
Prof.Sharad Agrawal , MED as a Mentor



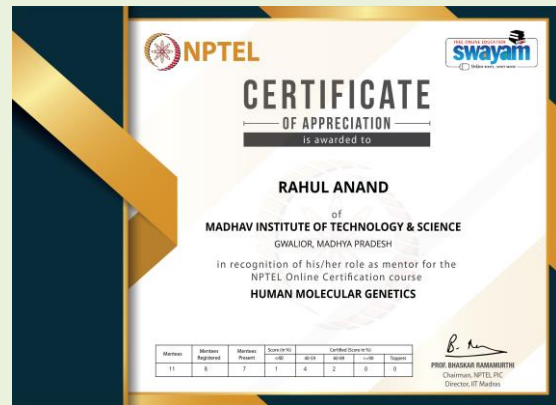
Prof. Madhav Singh, EC as a Top Performing Mentor



Prof. Pooja Mishra, EC as a Mentor



Prof. Deepa Sharma, EC as a Mentor



Prof. Rahul Anand, BT as a Mentor



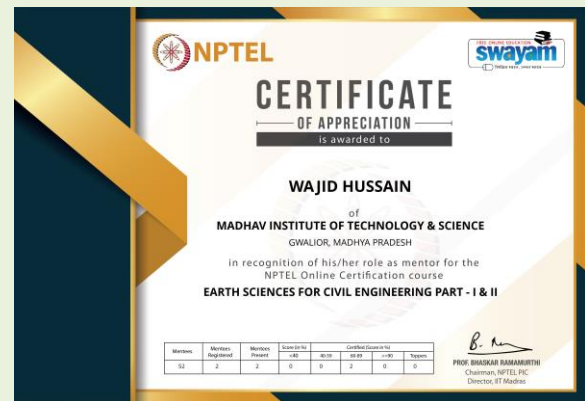
Prof. Shyamveer Singh, CE as a top performing mentor



Dr. Sunita Sharma, BT as a Mentor



Prof. Utkarsh Srivastava, MED as a Mentor



Prof. Wajid Hussain, CED as a Mentor

- Certificate of appreciation is awarded to **Prof.Praveen Bansal** for his Instrumental role as **top 100 active SPOC** for the SWAYAM-NPTEL local chapter and in MITS rated “A” based on performance in NPTEL online courses Jan-June 2018



STUDENTS ACHIEVEMENT

- Project funded by MHRD , Govt of India. NPTEL online courses -"**Electronic Waste Management – Issues and Challenges**", **Mrs.Ashma Parween** ,completed certification in with topper of 1% in this course(Gold Medal).
- Project funded by MHRD , Govt of India. NPTEL online courses -"**Electronic Waste Management – Issues and Challenges**", **Mrs.Anoop Monika Khare** ,completed certification in with topper of 1% in this course(Gold Medal).
- Project funded by MHRD , Govt of India. NPTEL online courses -"**Basic Electronic**", **Mr.Mohammad Faizaan Qureshi** ,completed certification in with topper of 2% in this course(Gold Medal)
- Project funded by MHRD , Govt of India. NPTEL online courses -"**Electronic Waste Management – Issues and Challenges**", **Mr.Anoop Rathore** ,completed certification in with topper of 5% in this course.
- Project funded by MHRD , Govt of India. NPTEL online courses -"**Electronic Waste Management – Issues and Challenges**", **Mr..Mayank Shakya** ,completed certification in with topper of 5% in this course.

- Project funded by MHRD , Govt of India. NPTEL online courses -"**Programming,Data Structures using Algorithm in C**", **Mr.Sarthak Somani** ,completed certification in with topper of 2% in this course
- Project funded by MHRD , Govt of India. NPTEL online courses -"**Matlab Programming for Numerical Computation**", **Mr.Ashutosh** ,completed certification in with topper of 5% in this course(Gold Medal)

 <p>MONIKA KHARE 94%</p> <p>TOP 1 % OF CERTIFIED CANDIDATES</p> <p>COURSE NAME: ELECTRONIC WASTE MANAGEMENT - ISSUES AND CHALLENGES</p>	 <p>ASHMA PARWEEN 92%</p> <p>TOP 1 % OF CERTIFIED CANDIDATES</p> <p>COURSE NAME: ELECTRONIC WASTE MANAGEMENT - ISSUES AND CHALLENGES</p>	 <p>MOHAMMAD FAIZAN QURESHI 92%</p> <p>TOP 2 % OF CERTIFIED CANDIDATES</p> <p>COURSE NAME: BASIC ELECTRONICS</p>
 <p>MAYANK SHAKYA 88%</p> <p>TOP 5 % OF CERTIFIED CANDIDATES</p> <p>COURSE NAME: ELECTRONIC WASTE MANAGEMENT - ISSUES AND CHALLENGES</p>	 <p>ANOOP RATHORE 87%</p> <p>TOP 5 % OF CERTIFIED CANDIDATES</p> <p>COURSE NAME: ELECTRONIC WASTE MANAGEMENT - ISSUES AND CHALLENGES</p>	 <p>ASHUTOSH 87%</p> <p>TOP 5 % OF CERTIFIED CANDIDATES</p> <p>COURSE NAME: MATLAB PROGRAMMING FOR NUMERICAL COMPUTATION</p>
 <p>SARTHAK SOMANI 86%</p> <p>TOP 2 % OF CERTIFIED CANDIDATES</p> <p>COURSE NAME: PROGRAMMING, DATA STRUCTURES AND ALGORITHMS USING C</p>		

SWAYAM-NPTEL TEAM

S.No.	Name of Faculty	Department
1.	Prof.Praveen Bansal	SPOC, Electrical Engineering
2.	Prof.A.K. Saxena	Civil Engineering
3.	Dr.Bimal Garg	Electronics Engineering
4.	Dr.Shishir Dixit	Electrical Engineering
5.	Dr.Sunita Sharma	Biotech
6.	Dr.Anjali S Patil	Architecture
7.	Prof.Rajni Singh Makwana	Computer Science Engineering
8.	Dr.Anshu Chaturvedi	MCA
9.	Prof.Bhupendra Pandey	Mechanical Engineering
10.	Dr.Uday Pratap Singh	Applied Science
11.	Prof.Swati Gupta	Chemical Engineering