

NATIONAL DOCTORAL FELLOWSHIP SCHEME

Announcement

for

Admission to Ph.D.
Programmes for the Academic
year 2018-2019

(For Young Postgraduate Students from AICTE approved
Degree level Engineering/Technology/Pharmaceutical
Institutions)

INFORMATION BROCHURE

Sponsored by



Centre



Estd. 1957

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

(A Government Aided UGC Autonomous Institute, Affiliated to RGPV Bhopal)

ABOUT THE INSTITUTE

Madhav Institute of Technology & Science, Gwalior is a premier Govt. Aided UGC Autonomous & NAAC Accredited Institute of Madhya Pradesh, Established in 1957. Presently Institute offers various UG, PG & Ph.D. programmes in different disciplines of Engineering & Technology/ Computer Application/Architecture. Institute has successfully completed Technical Education Quality Improvement Programme Phase-II (TEQIP-II) and at present also participating in the Technical Education Quality Improvement Programme Phase-III (TEQIP-III).

Departments Offering OFFERING Ph.D DEGREE PROGRAMMES UNDER NDF Scheme

Madhav Institute of Technology & Science, Gwalior – 470 005	MG
Department Name	
<ul style="list-style-type: none"> • Civil Engineering • Electrical Engineering • Computer Science & Engineering • Mechanical Engineering • Architecture 	

DEPARTMENT WISE SEAT AVAILABILITY

7.MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR - MG							
Name and AICTE ID of the Institute	NIRF Ranking, if any	QIP Approved Departments in the Institute	Department wise No. of Ph.D. supervisors	No. of Ph.D. seats available (Supervisor wise)		Research areas/Specialization	Major research facilities in the departments
Madhav Institute of Technology & Science, Gwalior AICTE Permanent ID 1-10746341	No	Electrical Engineering	4	Dr. L. Srivastava	1	Evolutionary optimization techniques for power system optimization	1. Bio-Medical Engineering lab 2. Computational lab equipped with all standard power system analysis software packages and MATLAB tool boxes
				Dr. M. Pandit	1	Soft Computing and AI Applications to power system operation with renewable energy integration	
				Dr. A.K. Wadhvani	1	Applications of soft computing Techniques with signal Processing Tools in Bio Medical Instrumentation	
				Dr. S. Wadhvani	1	To combine the advances in Soft Computing Tools and Signal Processing Techniques in applications for the creation of state of Art in real life systems	
		Civil Engineering	4	Dr. S.K. Jain	4	Structural Engineering Materials & Earthquake Resistant Design	1. All Civil Engineering lab 2. Project Management Software 3. MATLAB 4. E-Journals ASCE, Science Direct
				Dr. Sanjay Tiwari	6	Structural Engineering Construction Management	
				Dr. M.K. Trivedi	5	Hydraulics & Construction Cost Management	
				Dr. R. Kansal	6	Construction Technology Management	
		Architecture	4	Dr. R. K. Pandit	3	Urban Planning	All Equipments and software for Urban Design & Planning
				Dr. Alok Sharma	4	Environmental Planning	

			Dr. Sanjay Singh Jadon	4	Urban Design		
			Dr. Anjali Patil	4	Urban Planning		
		CSE	4	Dr. Rajendra Kumar Gupta	3	Data Mining & Warehousing	1. Computing Facility 2. Subscription of Reputed Journals 3. Availability of various tools for Implementation and experimentation purpose
				Dr. Akhilesh Tiwari	5	Data Mining & Warehousing	
				Dr. Manish Dixit	5	Image Processing	
				Dr. Sanjiv Sharma	6	Data Mining	
		Mechanical	4	Dr. Pratesh Jayaswal	2	Machine Design, Maintenance Engineering, Vibration Analysis	1. High end equipments and softwares for production, design, thermal and maintenance 2. All laboratories are equipped with modern equipments/facility for research purpose 3. SKF reliability training centre for maintenance engineering 4. Department is having the industrial support (industry of malanpur & Banmore)
				Dr. C.S. Malvi	5	Solar Design	
				Dr. M.K. Gaur	3	Solar thermal Engineering	
				Dr. Manish Sagar	5	Production and operation management	

FIELDS OF SPECIALIZATION

Code	Department	Fields of specialization	Minimum Qualification
MGCE01	Civil Engineering	Water Resources Engineering; Construction Technology & Management; Structural Engineering; Environmental Engg.	M.E./ M.Tech. or Equivalent degree in Civil Engineering with at least 60% marks or equivalent grade (55% marks or equivalent grade for SC/ST candidates)
MGEE01	Electrical Engineering	Power systems; Biomedical Signal Processing; Application of AI & Soft Computing Techniques for Electrical Engineering; Condition Based Maintenance of Electrical Machines, Control Engg., Renewable Energy; Nature inspired optimization	M.E. / M.Tech in Electrical Engineering, Electronics & Instrumentation, Electronics Engg., Electrical & Electronics and Biomedical Engg. with at least 60% marks or equivalent grade (55% marks or equivalent grade for SC/ST candidates)
MGCS01	Computer Science & Engineering	Data Mining & Warehousing; Image Processing & Retrieval Techniques; Networking	M.E./M.Tech in Computer Science & Engineering or Information Technology or any other Specialization of Computer Science & Engineering and Information Technology with at least 60% marks or equivalent grade (55% marks or equivalent grade for SC/ST candidates)
MGME01	Mechanical Engineering	Vibration & Noise Control; Design Engineering; Maintenance Engineering Tribology; Condition Monitoring; Industrial Engineering; Supply Chain Management; Production Engineering; Material Handling; Non-Conventional Energy System; Solar Energy, Heat Transfer; PV Technology; Green House Technologies; Thermal Engineering	M.E./M.Tech. in the relevant discipline with at least 60% marks or equivalent grade (55% marks or equivalent grade for SC/ST candidates).
MGAR01	Architecture	Environmental Planning; Urban Design; Urban Planning; Energy Systems; Construction Management, Architecture, Interior Environment	M.Arch., M.Planning, M.E. or M.Tech. (Civil), (Master in any Architecture related subject) with at least 60% marks or equivalent grade (55% marks or equivalent grade for SC/ST candidates).

SCHEME, ELIGIBILITY AND MODE OF APPLICATION



ALL INDIA COUNCIL FOR TECHNICAL EDUCATION AICTE - NATIONAL DOCTORAL FELLOWSHIP (NDF)



For research in frontier areas of Engineering & Technology / Pharmacy

Scheme

- * To promote research culture in chosen AICTE approved institutions
- * Admitting full time meritorious research scholars for Ph. D
- * Fellowship of Rs.28,000 + HRA per month

Eligibility

- * CGPA of 7.5 (Gen), 7.0 (SC / ST / differently abled) at both UG & PG
- * Qualified GATE/GPAT in last 5 years
- * Age: Less than 30 years as on 31st August
- * 5 years age relaxation for SC/ST, Women and differently abled

How to Apply ?

- * Apply online at <http://aicte-ndf.psgtech.ac.in>
- * Apply from 12th May to 10th June 2018
- * Online application fee Rs.500 for General / OBC category and Rs.250 for reserved category candidates

Funding and Monitoring Organization

All India Council for Technical Education
Research Institution & Faculty Development (RIFD) Bureau
Nelson Mandela Marg, Vasant Kunj,
New Delhi—110070
Website: www.aicte-india.org

Scheme Implementing Institute

PSG College of Technology
Avinashi Road, Peelamedu,
Coimbatore,
Tamil Nadu - 641004
Website: www.psgtech.edu

IMPORTANT DATES

Starting date for submission of online applications: **12th May 2018**

Closing date for submission of online applications: **10th June 2018**

Interview Date: **9th July 2018 (Monday).**

Note:

- Candidates shall submit online application form by registering at <http://aicte-ndf.psgtech.ac.in>
- The detailed information booklet and instructions are available at <http://aicte-ndf.psgtech.ac.in>
- For any further queries, please contact – National Nodal Center
Principal Coordinator-NDF,

PSG College of Technology, Avinashi Road, Peelamedu,

Coimbatore-641004, Email: ndf@aicte-india.org,

Phone: 0422-4344426