

# INFORMATION BROCHURE

## Admission to DOCTORAL (Ph.D) DEGREE PROGRAMMES (2017-2018)

Youngest TEQIP 1&2 Funded Institutions

Ranked 67 Amongst Top 100 Engineering Institutions Ranked by NIRF 2017.

Ranked 5<sup>th</sup> in PAN India for Filing Patents.

Accredited by NAAC with A+ Grade



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### **G.H. RAISONI COLLEGE OF ENGINEERING**

(An Autonomous Institute affiliated to Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur)

CRPF Gate-3, Hingna Road, Digdoh Hills, Nagpur (M.S.)

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**Web site: [www.ghrce.raisoni.net](http://www.ghrce.raisoni.net)**

## **Courses Offered**

### **DOCTORAL PROGRAMMES**

Ph.D. Programmes are offered in:

1. Civil Engineering
2. Computer Science and Engineering
3. Electrical Engineering
4. Electronics Engineering
5. Electronics and Telecommunication Engineering
6. Information Technology
7. Mechanical Engineering

## Our Inspiration



### From the Desk of Chairman

I am immensely pleased to welcome you to G H Raisoni College of Engineering, Nagpuran Autonomous institute. Hard work, open communication, a strong emphasis on teamwork and a high level of responsibility are the attributes of the institute. We prefer not to toil for the momentary pleasure rather we strive hard for permanent treasure. We do not feed the students with mere facts and knowledge instead; we motivate our students to be the source of knowledge themselves. It has been possible by team of our faculty members who are proficient in inculcating right skill sets in students. They demonstrate what they teach and they live what they profess. In other words, our faculty members are the best facilitators, who inspires the students to achieve their goals.

We accentuate on a great deal on our academic excellence and cultural ethos. This includes constant update on current technology, continuous evaluation and improvement of students by providing a team with excellent faculties in a congenial academic environment. We strive hard to train and equip our students to get placed into top notch corporate and business units by tapping, honing, and transforming the latent potential and talent of students. I wish you all the best for a successful career.

**Shri. Sunil Raisoni, Chairman, RGI & BOG GHRCE.**

### From the Desk of Secretary



To embark on a journey of success one needs the tools of preparedness, foresight and strategy. These lead to the path of growth and excellence. It is imperative to combine these three forces in knowledge assimilation, where every day and every semester acts like a pivot tilting the pan balance of life in favor of professional excellence. At GHRCE, we create an academic foundation for social, cultural, scientific, economic and technological development of the students. We develop our students for a global competitive environment. Our focus is to achieve unparalleled excellence that will bring development to our society and

mankind by optimizing their potential. It is our fervent hope that the time that you spend at GHRCE would enable you to equip with leadership and managerial skills. The knowledge that you will gain, the fine qualities that you will imbibe and the technical skills that you will learn to apply will be your major contribution to your parents, to society, and to the nation. I welcome you to GHRCE to embark on a journey of success.

**Shri. Nitinji Tatiya, Secretary, Ankush Shikshan Sanshta.**

### From the Desk of Director



Education enables a person to face new challenges, achieve progress and lead a successful life. GHRCE is committed to provide quality technical education to the diverse community of students in a unique way like a prism reflecting the manifold shades of learning and co-curricular activities. All our UG courses are accredited by NBA under Tier-I (WA) and the institute is accredited by NAAC with 'A' grade. We are empowering students to acquire interactive communication skills, technical and employable skills to compete in the global world. Choice Based Credit System (CBCS), Credit transfer scheme (CTS), 6 month industry internship, innovation & exposure to Entrepreneurship through our "Campuspreneur Programme" are some of our USPs which have benefited a lot to our students. The vibrant and conducive environment of the institute has always motivated our students to achieve many state and national level awards and recognition in technical, sports and extracurricular activities. The career prospects at GHRCE are wide-ranging and fulfilling. In addition to core technical skills we also imbibe, out of the box thinking, creativity amongst students which has resulted in 5th position PAN India for patent filings and award winning projects.

I welcome you to realize this wonderful experience at GHRCE.

**Dr. Preeti Bajaj, DIRECTOR,.**

## PREAMBLE

G.H. Raisoni College of Engineering (GHRCE) Nagpur, established in 1996, is an autonomous institution affiliated to Rashtrasant Tukadoji Maharaj Nagpur University. The institute became autonomous in 2010 for a period of six years till 2016 and UGC has renewed autonomous status till 2022. It is ranked 67th PAN India in Engineering Discipline as declared by National Institutional Ranking Framework (NIRF) 2017, MHRD, Government of India

**Autonomy:** The institute has brought many reforms under Autonomy, which prominently includes strengthening engagements with industries, implementation of Choice Based Credit System (CBCS) and Credit Transfer Scheme (CTS) with VJTI Mumbai, College of Engineering, Pune and IIT Gandhinagar. It has partnered with IIT Powai for NMEICT and adopted modern teaching learning practices with blended MOOCS, Google class room, Akash tablets, Virtual labs and E-yantra project, etc under MHRD. It has executed QEEE (Quality Enhancement in Engineering Education), a programme of IIT Madras under TEQIP-II. For executing this programme, it has been listed under partner category for last two years. Every department has Departmental Industry Advisory Board (DIAB) and Board of Studies with two industry representatives. Industry experts are involved in framing the curriculum, guiding and evaluating projects. The Internal Quality Assurance Cell (IQAC) maintains quality of all its processes.

**Intake & Accreditation** GHRCE offers 07 Undergraduate, 12 Postgraduate and 10 Doctoral programmes with total intake of 1434. The total strength of students is around 5000. It has been accredited with "A" grade by NAAC in 2012 and re-accredited in second cycle with A+ grade for five years wef from 12th Sept 2017. It has completed three cycles of NBA accreditation and re-accreditations. Currently, it's all (seven) undergraduate programs are accredited under Tier-I. Also six postgraduate programs have been accredited and four postgraduate programs were re-accredited by NBA. GHRCE has received number of Sponsored research projects from DST, AICTE, IEL, UGC, TEQIP-II etc worth Rs. 10 Crore plus.

**TEQIP-I & TEQIP-II:IP-II:** It is the youngest Institute in the country to qualify for, and to implement TEQIP-I & TEQIP-II, the World Bank Assistance Projects on quality improvement. World Bank and MHRD appreciated initiatives undertaken for improving transition rate and had invited institute to present the case study for guiding 06 states in the country. It has been ranked under Platinum category for Best Industry linked institution by AICTE-CII Survey of 2015 for 05 programs and gold for the rest. Under TEQIP-II it has inked MoU with IIT Gandhinagar, VNIT Nagpur, College of Engineering Pune, VJTI Mumbai and SVNIT Surat. The Institute has conducted 40 plus STTPs individually and in association with industries. Faculties have been deputed to attend trainings at NITs (70), IITs (44), IIMs (15), Industry (42). Many leading MNCs like Mahindra & Mahindra, Intel, Cranes, Texas Instruments, Xilinx and National Instruments have established their laboratories in the campus.

**Research:** The Institute has institutional membership and student's chapters of IEEE, SAE, ASME, ICI, SESI, IETE, etc. It has hosted nine International Conferences amongst which seven IEEE International Conferences, one Elsevier International conference and 30 plus National conferences. Experts from NITs, IITs, IISc and other reputed organizations are involved for assessing six monthly progress seminars of Ph.D. students, PhD pre-submission seminars and PhD colloquia. This has resulted into 4000 plus research paper publications with 5000 plus citations.

**Industry Engagements:** The Institute has setup Incubation Centre in the premises to create eco-system for entrepreneurship. At present 06 startups are functional. It has organized entrepreneurship events like Startup summit, IEEE Entrepreneurship workshop under grants from ISTE, EDI & IEDC- a prestigious project of Rs.50.00 lacs from DST NSTEDB. To make the students industry ready, the Institute has included 6 months mandatory

industry internship in the 4 year B.E. course. Students undertake internship in 300 plus companies. Board of Apprenticeship Training (BOAT) of Western Region approved the Institute for this sandwich programme for undertaking internships. Mercedes Benz, Amazon, TCS, Tech Mahindra, IBM, Cybage, Cap Gemini are major recruiters. The Institute has strong alumni network spread across the globe. Around 100 plus alumni are entrepreneurs. The World Economic Forum nominated one of our alumnus and founder of “Mind Maze” – a Worldwide Leader in Novel Applications in Neuro Rehabilitation, Dr. TejTadi as Young Global Leader 2015. The Institute has NSS unit which conducts lot of community services for societal development. Students are National & International Color holders in various Sports. 100% projects are based on industrial problems.

**Start up India:** The eco-system set for innovation has helped students to win many awards and prizes at National level Events like gold trophy at 19th National Conference on e-Governance organized by Department of Electronics and Information Technology. Other awards include National level project competitions conducted by IIT Kanpur, Motorola award, Avishkar-Inter-University, NEN, etc. Institute has participated in annual events of national repute like SAE BAJA, National Go Kart, RoboCon, Techpedia, etc. Our students are recognized by industries by way of Google student Ambassador, Microsoft students’ partner, TCS campus Ambassador, etc. In line with ‘Make in India’ initiative, institute has filed 153 patents in last 5 years with 5th position in India for filing patents in the area of Agro Ventures and also been awarded with top innovator award of DST-CII-AICTE initiative.

**Skill India:** In line with the Skill India campaign launched by Hon. Prime Minister of India, GHRCE in association with Yamaha Pvt. Ltd. has started in its campus, Yamaha Training School, which provides skill and competencies for two wheeler maintenance to under privileged youths of Vidarbha. Institute has trained 22 students in Yamaha training school, 100 students in 04 courses such as Television Repairing Technician, Test & Repair Technician, Telecom Embedded Hardware Developer and Construction Laboratory & Field Technician under PradhanMantriKaushalVikasYojana (PMKVY) of AICTE and 60 students under Suryamitra program of MCED, Government of India

## PREAMBLE (R and D Cell )

### Research & Development Cell



Dr. S.B. Jaju  
Deputy Director & Dean - R&D



Dr. Shubhangi Giripunje  
Dean PG



Dr. Dinesh Padole  
Incharge-Innovation & Patent Cell



Prof. Nikita Chavhan  
Associate Dean R&D



Dr. Manoj Shanti  
Associate Dean R&D



Dr. Gopal Sakarkar  
Assistant Dean R&D

#### Objectives:

The Research Promotion Scheme of G.H. Rasoni College of Engineering, Nagpur aims to nurture research culture in the institute by promoting research in newly emerging and challenging areas of science and engineering. It encourages the Undergraduate, Post graduate and Doctoral degree candidates and faculties to undertake the research in newly emerging frontier areas of science and engineering including multidisciplinary fields. This will enhance the general research capability of budding technocrats by way of participating in conferences, seminars, workshops, project competition, etc.

#### Activities :

- R & D fund allocation and creation of R & D facilities
- R & D promotion activities for staff and students such as participating in conferences, seminars, workshops, etc.
- To promote and keeping track of research publications in conferences and journals
- Registration of candidates for Ph.D., progress seminars, pre-submission seminars till completion of research work.
- Encouraging Research Proposal for external funding agencies by faculty and doctoral students.
- GHRCE has MoU with IITB, VNIT, SVNIT, and COEP. The department needs to explore various research activities with these institutions.
- Patent drafting awareness programmes and filing patents.
- Seed money for projects.
- Project funding for UG and PG

- Progress of Centre of Excellence

## **R & D Resources :**

- Qualified faculties
- Laboratories with research oriented facilities
- Library books, multimedia and journals (Printed and online)
- Externally funded research projects
- R & D cell promotes and motivates research amongst UG,PG and doctoral students
- Research groups

## **Intellectual Capital**

Number of Publications	4500 plus
Number of Books / Chapters	23
Number of Patents Applied / In process	153
Number of PhD Awarded at ARC	35
Number of PhD submitted	77
Number of PhD pre submission at ARC	05
Number of Sponsored R & D Projects	30
International Conferences organized	09
National Conferences organized	34

G. H. Raisoni College of Engineering offers Ph.D. degree through its various Departments. The award of Ph.D. degree is in recognition of high academic achievements, independent research and application of knowledge to the solution of technical and scientific problems in Engineering and Technology. Creative and productive inquiry is the basic concept underlying the research work.

The research work shall be an original work characterized either by the discovery of facts, or by a fresh approach towards the interpretation and application of facts. It shall demonstrate the candidate's capacity for critical examination and sound judgment and shall represent original contribution to the existing knowledge.

The degree of Doctor of Philosophy is granted for research work in areas recognized by the academic departments of the Institute. The degree of Doctor of Philosophy will be awarded in the discipline of the department in which the candidate is registered.

Departments have excellent R & D facilities and also tie up with national & International Labs & Center of Excellence.

## **Ph.D Programme are available as fallows :**

1. Ph.D in Civil Engineering
2. Ph.D in Computer Science and Engineering
3. Ph.D in Electrical Engineering
4. Ph.D in Electronics Engineering
5. Ph.D in Electronics and Telecommunication Engineering
6. Ph.D in Information Technology
7. Ph.D in Mechanical Engineering

## Research Facilities

Department	Research Facility
Civil Engineering	<p>Computerized Universal Testing Machine, Hardness Testing Machine, Spring Testing Machine, Diffused light Polarioscope            Horizontal shake table, Core drilling machine, Non Destructive Test (Ultrasonic Pulse Velocity), Rebound Hammer, Compression Testing Machine, Flexural testing machine, Workability Measuring Apparatus, Direct Shear Test, Standard Proctor Test, California Bearing ratio apparatus, Triaxial shear test apparatus, Standard penetration test set up, Swell test apparatus, Ductility Apparatus, Marshall apparatus, STAAD-PRO, AUTOCAD, SAP 2000, Water Treatment Plan Design Software WTPSOFT02, Effluent treatment plant Design software ATPSOFT02, Advance Waste water treatment software ADTREATSOFT02, Sewerage system design software SEWERSOFT02 ,BOD Incubator, Rotary Shaker with Incubation, Centrifuge, COD Apparatus, KJELDAL Apparatus, High Volume Air Sampler, Stack Monitoring Kit, Sound Meter, Jar Test Apparatus, Electronic Balance (0.1 g) Turbidimeter, (0-4000 NTU), UV spectrometer, Total station, Digital Theodolites</p>
Computer Science & Engineering & Information Technology Department	<p>IDASM (Integrated Data Analysis and Statistical Module), IBM Rational Rose Software ,Infrared Thermal Camera, Vxworks, Face SDK, Dragon for Mac, Autodesk Maya 2017, SGI OCTANE III Computer Machine Mathwork Product, Tool kit forensic, Wireless Suite 5 users, Simulator X software moduler wireless suite-university license 5 users, SPSS evaluation copy, Metis Board FX Variant plus Add on module, Triton IDE executive edition with spirit board, embedded linux development kits</p>
Electrical Engineering Department	<p>Impulse generator, 100 KV AC , 140 KVDC, 420 KV impulse. 2.94 kj, three stage Storage CRO Tan Delta System, Transmission line model, SVC, VSC based FACTS Devices, Power scope, Phase shifting, Transformer, 3phase FACTS controller, 3-ph SRM-IGBT Power Module, 1 PH S R Motor, SRM Module of Motor Pro Software, Drives: - PLC Trainer kit, PLC, RS Logix Software &amp; communication cable, DSO 4 channel and DSO 2 channel, High voltage probe, High Current probe, ETAP power station, PSCAD, PSIM, MATLAB, SKM Power tools and power world, Wind generator panel, Solar panel (21 volt, 75 watt, 4.6 amp)</p>



<p>Electronics Engineering and Electronics &amp; Telecommunication Engineering Department</p>	<p>Universal Calibrator, 9 in 1 Test Lab, Hand Held DSO Programmable Multimeter, Picoscope, Stand Alone Logic Analyzer (34 channel), Universal Programmer, LabView, Multisim, MultiMCU, VisSim Software, NI ELVIS Hardware board, Embedded Development Tool for 8051 Microcontroller- KEIL PK 51, ARM Microcontroller- KEIL MDK- ARM, ARM Microcontroller Evolution Board for Philips - KEIL MCB2103, KEIL ULINK (USB JTAG link Adapter for ARM controller), 8051<math>\mu</math>C Kits, Double sided PCB development equipments like Proto-contact PCB Artwork Film Maker, Proto-Etch Etching Machine, Photo Dye/developer (2 in 1), Motorized roller Tinning Machine Proto-Shot (Compact Vertical reprographic Camera), Thru-hole-plating system (PTH), Dry film laminator, Photo developer /stripper, Wave Soldering machine, LCR meter, PCB prototype machine, development platform for IOT, Optical Communication System Design equipment like, Fiber optic power meter, Fiber optic LED light source, Fiber optic continuity tester, Fiber optic video link, Fiber optic Connectorization cum splicing Kit, Fiber optic trainer system Optical Time Domain Reflectometer (OTDR), CDMA Kit ,GSM Kit, Mobile Trainer, Telephone Trainer system, LAN trainer System, GPS Trainer system, Xilinx 9.1, ModelSim, Altera, MaxPlus- II, Tanner Tool for VLSI, DSP starter kits (TMS320C5416, TMS320C6713),, Spectrum Analyzer (3.3 GHz) Wireless Sensor Kits</p>
<p>Mechanical Engineering Department</p>	<p>Exhaust Gas Analyzer, Smoke Meter, Computerised Single Cylinder Four stroke Diesel Engine Set up, Computerised Variable Compression Ratio Four Stroke Petrol Engine, Fluidized bed thermoacoustic refrigeration system, CATIA V5 R19, MATLAB, Creo plus Site edition software, Workplace Simulation Software IV curve analyzer system with solar simulator, Ultrasonicator, Pyranometer, FFT Analyzer, Six axis vertically articulated robot set up, XLTURN CNC Lathe and STARMILL milling</p>

**Registration procedure for Doctoral Programmes (Ph.D) Programmes of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur as per Direction No. 37 of 2017 (refer website [www.nagpuruniversity.org](http://www.nagpuruniversity.org))**

## Admission Procedure

**Step 1:** Prospectus and application form is to be purchased by paying Rs.1000/- from G.H. Rasoni college of Engineering, Nagpur. Candidates desirous of seeking admission to any of the Ph.D programme must deposit demand draft of required amount (refer table below) drawn in favour of the Director, G. H. Rasoni College of Engineering Nagpur, payable at Nagpur or cash payment at the College Bank Counter.

Sr.No.	Name of Programme	Fees per Annum (Rs.)	Caution Money (Refundable)	Fees for Pre-Submission
1	Doctoral (Ph.D)	Rs. 50,000/-	Rs. 2,000/- (One time at time of Admission)	Rs 5000/-

**Step 2 :** The Candidates seeking admission shall submit Application Form along with SOP to Dean R and D office upto 15 Feb 2018.

**Step 3 :** R and D Cell in association with Research Supervisor Allocation Committee shall schedule Pre-Registration Seminar, approve and evaluate final list of candidate in 1<sup>st</sup> week of March 2018.

Research Supervisor Allotment Committee is formed as per the Direction No.37 of 2017 which shall evaluate, allot the Guide to Ph.D. Candidates for Jan 2018 registration cycle.

Sr. No.	Name of Department	Research Supervisor Allotment Committee
1	Electronics & Telecommunications	Dr. Preeti Bajaj, Head of the Research Centre, Chairperson Dr. M. M. Khanapurkar, member Dr. D. V. Padole, Member
2	Civil Engineering	Dr. Preeti Bajaj, Head of the Research Centre, Chairperson Dr. P. Y. Pawade, Member Dr. P.B.Nagarnaik, Member
3	Electrical Engineering	Dr. Preeti Bajaj, Head of the Research Centre, Chairperson Dr. V. K. Chandrakar, Member Dr. D. R. Tutakne, Member
4	Computer Science & Engineering	Dr. Preeti Bajaj, Head of the Research Centre, Chairperson Dr U N Shrawankar, Member

Research Advisory Committee is formed as per the Direction No.37 of 2017 to review the research proposal and finalize the topic and periodically review the progress of the research work.

Sr. No.	Name of Department	Research Advisory Committee
1	Electronics & Telecommunications	Dr. Preeti Bajaj, Head of the Research Centre, Chairperson / Dean R&D Two Research Supervisors in the Subject or group of subjects (nominated by Hon. Vice Chancellor), Member Research Supervisor, Member
2	Civil Engineering	Dr. Preeti Bajaj, Head of the Research Centre, Chairperson / Dean R&D Two Research Supervisors in the Subject or group of subjects (nominated by Hon. Vice Chancellor), Member Research Supervisor, Member
3	Electrical Engineering	Dr. Preeti Bajaj, Head of the Research Centre, Chairperson// Dean R&D Two Research Supervisors in the Subject or group of subjects (nominated by Hon. Vice Chancellor), Member Research Supervisor, Member
4	Computer Science & Engineering	Dr. Preeti Bajaj, Head of the Research Centre, Chairperson / Dean R&D Two Research Supervisors in the Subject or group of subjects (nominated by Hon. Vice Chancellor), Member Research Supervisor, Member

**Step 4 :** After selection the fees payment should be done by research scholar and submit Xerox of receipt to R and D cell .

**Step 5 :** The research scholar should contact R and D cell for Approval letter of Supervisor allotted to them .

**Step 6:** After College formality For registration of PhD program, Eligible Students have to apply online for Ph.D program by visiting the above website, will have to take a printout of the application along with necessary documents and submit on the below address:

Ph.D Cell, Exam Center,  
Laxminarayan Technical Institute Premises,  
Rashtrasant Tukdoji Maharaj Nagpur University,  
Amaravati Road, Nagpur.

Students will have to submit their application in person on the above address till 25 April 2018 till 5.30pm .

Applications received after this will not be accepted.

**Step 7 : Self Attested documents with application form:**

Below attested documents need to be submitted along with application file is compulsory.

Incomplete application form will be rejected automatically, the research institute and approval committee will not call for joining the institute.

1. A copy of On Line Ph.D Registration form along with signature of Head , Place of Research and signature of allotted guide by place of research.

2. Ph.D program application fees Rs 1000/- receipt. (Submit the fees here: Ph.D program Fees Wing, Mahatma Jyotiba Fuley Educational University Premises, Amaravati Road, Nagpur)
3. Original pass certificates of PET-1 and PET-2. According to Instructions from high court those students who has followed direction number 29 of 2012 validity of 60 months qualified PET exam result sheet (original).
4. B.E/B.Tech and M.E/M.Tech original marksheets. (General category students should have 55% and SC/ST category should have 50% compulsory)
5. Those candidate who's masters degree is not from Rashtrasant Tukdoji Maharaj Nagpur University, students have to submit eligibility certificate and application form from Rashtrasant Tukdoji Maharaj Nagpur University.
6. Those candidate who's masters degree is not from Rashtrasant Tukdoji Maharaj Nagpur University in that case students have to submit a certificate of residing in the Nagpur Jurisdiction duly signed by Executive Magistrate in the Exam Section of Rashtrasant Tukdoji Maharaj Nagpur University.
7. Seven copies of Research Synopsis.
8. Copy of Approval letter of Research Centre from RTMNU copy
9. Number of seats available and number of seats left in the research institute information list along with signature of Head Research Center .
10. Researchers list working under the Supervisor along with signature of Head Research Center .

**Step 8:** Research Scholar has to submit 2 sets to R and D Cell of all documents submitted in RTMNU .

**Note:**

Above guidelines of Direction no 37/2017 the actual process may vary as per guidelines of University and research center governing body from time to time and intimation will be given to Scholars.

The Research Scholar has to comply the Institutions Rules and regulation before submission of Final thesis .

**Course Work:**As prescribed by Direction no 37/2017 RTMNU, Nagpur.

**Tenure of Registration:**As prescribed by Direction no 37/2017 RTMNU, Nagpur.

**Cancellation of Admission / Registration:**As prescribed by Direction no 37/2017 RTMNU, Nagpur

IV]List of approved supervisors

**LIST OF INTERNAL Ph.D SUPERVISORS IN ENGINEERING & TECHNOLOGY**

SrNo	Name of faculty	Department	Ph.D. Guide Registration Number	Availability of seats
1.	Dr. P.R. Bajaj	Electronics Engg.	Ph.D. (Cell)/RRC/Guide/E&T/4242/O/332 (4/12/2006)	5
2.	Dr. A.Y. Deshmukh		Ph.D. (Cell)/RRC/Guide/2241/B/981 (18/4/2012)	8
3.	Dr. S.S. Dorle		Ph.D. (Cell) / RRC / Guide / 2242 / B / 980(18/4/2012)	6
4.	Dr. M. M. Khanapurkar		Ph.D. (Cell)/RRC/Guide/2251/B/1013 (18/4/2012)	6
5.	Dr. S. L. Haridas		Ph.D. (Cell)/RRC/Guide/1492 Nagpur, dated 14/01/2013	4
6.	Dr. D. V. Padole		Ph.D. (Cell)/RRC/Guide/2250/B/1014 (18/4/2012)	5
7.	Dr.P. M.Daigavane		Ph.D. (Cell) / RRC / Guide / 66 Nagpur, dated 05/04/2013	5
8.	Dr. S. S. Salankar		Ph.D. (Cell)/RRC/Guide/ELECTRONICS ENGG/197/ 26/10/2009	7
9.	Dr. S.B. Jaju	Mechanical Engg	Ph.D. (Cell)/RRC/Guide/205B/169 (26/10/2009)	7
10.	Dr. P. V. Walke		Ph.D. (Cell) / RRC / Guide / 1513 Nagpur, dated 17/01/2013	6
11.	Dr. V.N. Bhaiswar		Ph.D. (Cell)/RRC/130 dated 10/3/2015	7
12.	Dr.P.B. Nagarnaik	Civil Engg.	Ph.D. (Cell) / RRC / Guide / E&T / 113 / B / 476(10/1/2008)	6
13.	Dr. P. Y. Pawade		Ph.D.(Cell)/RRC/Guide/61 dated 05/04/2014	4
14.	Dr. B. V. Khode		Ph.D.(Cell)/RRC/Guide/1459 dated 16/1/2013	7
15.	Dr. V.K. Chandrakar	Electrical Engg.	Ph.D. (Cell) / RRC / Guide / E&T / 117 / B/4821(10/1/2008)	8
16.	Dr U N Shrawankar	Computer Science &Engg./ Information Technology.	Ph.D. (Cell)/ RRC/ 50, dated 02/04/2014	3

## Electronics/Electronics and Telecommunications Engineering

### 1. Dr. Preeti Bajaj

- **Qualification:** Ph.D.(Electronics), MBA
- **Area of Specialization /Research:** Intelligent Transportation System with soft computing, Hybrid Intelligent systems design
- **Total Experience:** 25 Yrs
- **Number of Publications :** Around 150
- **Books :** Three Books by InTech Publications



- **Ph.D. Guided:**

Name of student	Area	Name of topic
Mr. M.M. Khanapurkar	Intelligent Transportation systems	Vehicular Communication: A Design for Some Intra-vehicular Communication applications with VLSI Tools
Mr. D. V. Padole	Embedded Systems	Optimum prototype Design of Embedded Controller for Some Applications in Intelligent Transportation Systems
Sharada Devi	Image Processing	Design & Development Of Some Methodology For Driver Monitoring System With Non Intrusive Approach
PrernaDiagavane	Intelligent Transportation systems	Some Strategies For Analysis Of Traffic Flow On Highways With Computer Vision Algorithms Soft Computing Tools
Prashant Sharma	Intelligent Transportation systems	A Design Approach to Hybrid Intelligent System with Type Z Fuzzy Logic For Some Applications of Intelligent Transportation System
Shubhangi D Giripunje	Image Processing	A Design & Implementation of Simulation Facial Action Tracking & Emotion Recognition Based on Non Intrusive Parameters
RatnaprabhaJasutkar	VLSI/Bio Medical	Design and Development of Sigma Delta Modulator with Power Optimization for Bio Medical Application.
Komal Mehta	Intelligent Transportation systems	Performance Improvement of vehicular ad-hoc network (vanet) with nature inspired biological computing algorithms.
SonaliNavghare	Intelligent Systems	Design and Development of Sensors and Intelligent System to Decode some Diseases in Aurvedic Therapy
Rahul Agrawal	Image Processing	Design And Development of Alternative Communiation System for Physically Disabled Person Based on Intrusive / Non Intrusive Models
Sanjay S. Wankhede	Intelligent Transportation systems	Design and Development of Behavior and Risk Model for Drivability under Intelligent Transportaion System

- **Ph.D. Ongoing:** 03
- **Professional Accomplishments**
  - LM- ISTE
  - Fellow -Institution of Engineers

- LM-CSI
- Fellow IETE
- Member ACM
- Senior Member-IEEE, Vehicular Society, Intelligent transportation , SMCS
- Execom member IEEE Bombay Section 2007-2010

- **Research**

- Approved and Research Center for PhD and higher Learning for Ten doctoral programs.
- Streamlined R & D policies and designing norms
- Foundation General Chair- ICETET series of International Conferences under
  - **SMC, IEEE** at GHRCE (ICETET2008, ICETET2009, ICETET2010, ICETET2011, ICETET2012, ICETET2013, ICETET2015)
- Editor-in-chief International Journal Of Engineering Trends In Engineering And Technology (IJETET)
- Design Development of Research Policy and Incentive plan
- Design, development and execution of Research methodology Course for undergraduate , Postgraduate and doctoral Students
- Developed Vision Plan for GHRCE for TEQIP-2 wherein Institute ranked Third amongst Private colleges in India
- Reforms in Research Norms, incentives, policy, PhD norms etc

- **Publications:**

- Chapter Contribution: 05
- Research Article: “Research on Driver’s Fatigue Detection” published in Special issue on Human Centered Transportation Systems, IEEE SMCS, June 2010
- National Conferences: 6
- International Conferences: 73
- Journals: 50

**Awards/ Honors**

- Received international Travel Grant for attending International Conference at Moriokka, Japan from department Of Science and Technology, Government of India.
- Received international Travel Grant for attending International Conference at Oxford University, United Kingdom from All India Council for Technical Education, Ministry of Human Resource and Development.
- Received Best Teacher award of the Institute for the academic session 2001-2002
- Received international Travel Grant for attending International Conference at Washington D.C., USA from Department of Science and Technology, Ministry of Science and Technology, New Delhi
- ISTE-AICTE Sponsorship for 1 Week training course on DIP & real Time Applications.
- Proud Recipient of “**Bhaskar Woman’s Award**” for year 2010
- Recipient of “**Faculty of Month**” for September 2011, by Teacher Academy, Hyderabad

## 2. Dr.A.Y.Deshmukh



- **Qualification:** Ph.D. (Electronics), M.E(Electronics), B.E.
- **Area of Specialization /Research:** VLSI, Hybrid Systems
- **Total Experience:** 19 Years
- **Industrial Experiences if any:** 1 Year
- **Citations:** 131
- **Number of Publications**  
**Journal (National & International):** 25 International  
**Conferences (National & International):** 35-international /15-National
- **Professional Body Affiliation:**
  - Senior Member, IEEE
  - Technical Committee Member of Soft Computing IEEE USA
  - Life Member, ISTE
  - Member, CSI
- **Ph.D students registered:** 08 Students
- **Patents Filed:** 02
- **Funded Research Project:**
  - Research Project funded by AICTE under RPS Scheme: 7.37Lacs
  - IEDC Project :2 Lac
- **M.Tech/ ME Project guided:** 18 Students
- **Research Activities:**
  - Technical Committee Member of Soft Computing IEEE USA
  - Worked as Publication Chair & Program Co-Chair for ICETET-08, 1<sup>st</sup> International Conference on Emerging Trends in Engineering & Technology at GHRCE.
  - Worked as International Chair for ICETET-09, ICETET-10, ICETET-11, ICETET-12, ICETET-13 International Conference on Emerging Trends in Engineering & Technology
  - Worked as Board of studies member of G. H. Raisoni International University, Raipur in Electronics Engineering.
  - Worked as Board of studies member of G. H. Raisoni International University, Raipur in Mechatronics Engineering.
  - Worked as chairperson for National Level paper presentation conference, BLITZKRIEG at BDCOE Wardha
  - Worked as Organising member for MSBTE Sponsored STTP on Mechatronics at GHRCE.
  - Worked as Coordinator for CDAC course on VLSI at GHRCE

### Editorial Board/Reviewer of International Journals

- IDT
- IJSSST
- Hindawi

### Special Achievements:

- Best Teacher Award at G.H. Raisoni College of Engineering Nagpur in 2004
- Visited countries like USA, Australia, Japan, Singapore, Dubai, Mauritius for visiting foreign universities and attending and presenting research papers in conferences.



### 3. Dr. Sanjay S. Dorle

- **Qualification:**B.E (Electronics), M.Tech (EDT), Ph.D (Electronics Engineering)
- **Area of Specialization:** Automotive Electronics, Vehicular Adhoc Network
- **Total Experience:** 16 years
- **Industrial Experience if any:** 01 year
- **Number of Publications**  
**Journal (International): 17**  
**Conferences (International): 46**
- **Ph.D students registered:** 05
- **M.Tech/ ME Project guided:** 20



#### **R & D:**

- Received Research grant from AICTE of Rs. 8.75 Lacs for the research work “Computational Capacity of Vehicular Adhoc Network” from AICTE, New Delhi in session 2008-09.
- Received best industrial paper award in the international Conference ICETET-12 at Himeji, Japan.

#### **Teaching Award:**

- Received “Best Teacher Award” for the session 2008-09, sponsored by Raisonni Group of Institutions.

#### **Reviewer:**

- Reviewed research papers for the International conference ICETET-08, ICETET-09, ICETET-11, ICETET-12, ICETET-13 & ICETET-15.
- Reviewed research papers for the International conference VPPC-08.
- Reviewed research papers for the International Journal IEEE – VTC.
- Reviewed research papers for the International conference IEEE WSN-10.

#### **Extracurricular activities:**

- IEEE Senior Member.
- Life Time ISTE Member.
- Life Member CSI
- ACM

#### **Resource Person**

- Delivered expert lecture at one week workshop on “VHDL design and Applications” at G. H. Raisonni Polytechnic, Nagpur, 2008.
- Delivered an expert lecture in ISTE Sponsored short term training Programme on “Embedded Microcontroller & RTOS” at GHRCE on 5<sup>th</sup> July 2006.
- Delivered an expert lecture in AICTE Sponsored Staff Development Programme on “Wireless & Mobile communication” at Priyadarshini College of Engineering, Nagpur on 6<sup>th</sup> September 2009.
- Delivered an expert lecture in AICTE Sponsored Staff Development Programme on “Advanced Wireless Communication” at Umrer College of Engineering, Nagpur on 13<sup>th</sup> February 2009.
- Invited as Session Chair for National Level Conference “NIRMITI-2011” on 8-9<sup>th</sup> March 2011 at Priyadarshini Institute of Engineering & Technology, Nagpur.
- Delivered an expert lectures in ISTE Sponsored short term training Programme, AICTE Sponsored Staff Development Programme, Research Methodology Workshop at various institutes.
- Session Chair in the National Conference “Spandan 2016” at YCCE, Nagpur.

**4. Dr. Milind M. Khanapurkar**



- Ph. D. (Electronics Engineering), M. B. A.(Marketing Management)
- Professor and Head, Department of Electronics and Telecommunication Engineering (Chairman Board of Studies, E & TC and ETRX Board), G. H. Rasoni College of Engineering Nagpur
- Experience: 26 years
- Approved Supervisor: Ph. D. & M. E. By Research (RTMNU, Nagpur)
- Professional Bodies: LM ISTE, Senior Member IEEE, Fellow Member IETE, CSI, MIE, ACM
- AICTE-ISTE STTP Attended: 09
- Seminars/ Workshops / Conferences attended: 30
- Guest Lectures delivered : 10
- Publications:
  - Book Chapter :01
  - International Journals: 14
  - International Conferences: 14
  - National Conferences: 09

Major Achievements:

- Patent Applied : 01 ( March-2013)
- DST Travel Grant (Sept-2013) & AICTE Travel Grant (April 2008)
- RPS -AICTE grant of Rs. 09.00 lacs under (March- 2013)
- IEDC Grant , NSTEDB , DST New Delhi (July-2012) (Completed)
- IIP Cell –AICTE grant of Rs. 06. 50 lacs (April-2009) (Completed)
- AICTE Grant for STTP (May-2008) (Completed)
- PC Member of IC : VPPC 09, IEEE- ICETET-09, ICETET-10, ICETET-2011 & ICETET-11
- Guided Project has participated in National level Project competition at IIT Delhi and IIT Powai
- Dissertation / Projects Guided:
  - Ph. D. Registered :04 (01 in association with Industry, 01 RPS received)
  - M. E. By Research: 01 completed
  - PG (M. Tech.): 25
- UG: 40 (01 : Technology Transfer: 01: IEDC grant 1.00 lacs)



**5. Dr. Sanjay Laxmikant Haridas**

Highest Qualification: Ph. D. in Electronics Engineering

Experience: 25 Yrs. Teaching

Membership: ISTE & IE

Title of Dissertation: Power Optimization of Viterbi Decoder for Wireless Applications

Publications: National Conferences - 03  
 International Conferences- 07  
 Journals - 04

**6. Dr. Dinesh V. Padole**



- **Qualification:** M.Tech (EDT), Ph.D (Electronics)
- **Area of Specialization /Research:** Embedded Systems, Multi-core SoCs, and Digital Signal Processing
- **Total Experiences:** 14 Years
- **Number of Publications:**

<b>Book</b>	Two chapter published on international book
Journal (National & International)	11
Conferences (National & International)	21

- **Ph.D Students Registered** : 06 Students
- **M.Tech Project guided**: 24 Students
- **Professional Membership**: IEEE, ISTE, CSI, SMCS-IEEE
- **Awards**:  
Received Best Teacher Award for year 2009-2010 from G.H. Raisoni College of Engineering, Nagpur
- **Expert Talk Delivered**:
  - Resource Person for Phase-II Workshop on “Outcome based Accreditation and Education” organized by National Board of Accreditation at Punjab Technical University, Jalandhar, on date 26 to 29 Aug 2013.
  - Resource Person for “Curriculum Updation Faculty Development Program” at G.H. Raisoni Polytechnic College, Nagpur from 02-07 Feb 2009
  - Resource person for STTP “Role of Microprocessor & Microcontroller in Interdisciplinary applications” from 26-30 May 2008
  - Delivered a Guest Lecture on “Microcontrollers & their Applications” at Govt. Poly. on 20/9/06
  - As a resource person for ‘Microcontroller’ in Workshop on Modern Elevator., March 2004
  - Expert lecture on “Embedded System” and SB Jain college of Engineering, Nagpur, 14/9/2012
  - Delivered expert lecture in Research Methodology Workshop on “Research Methodology and sampling” at GHRE for Ph.D and Post graduate students.
  - Delivered expert talk at Short Term program on “C2000 Microcontroller: Real Time MCUs”, organized by Department of Electrical Engg, GHRCE on dated 22 to 26 July 2013.
  - Delivered expert talk at Short Term program on “Embedded System”, organized by Department of Information Technology, GHRCE on May 2013,
  - Delivered Expert talk at KITS, Ramtek on 16 Feb 2015.

### 7. Dr. P.M.Daigavane

- Highest Qualification: Ph.D.
- Area of Work:- Controllers, DSP Processor, Image Processing
- Work Experience:- 27 years
- Research Guidance:
  - A) Ph.D. : 03
  - B) M.Tech : 06 and ME (R): 01
  - C) B.E. Projects: 30 plus
- Research Publications: 42
- International journals : 09
- International Conference: 13
- National Conference: 14
- Academic honor : Session Chair : 03
- Review of research paper : 06
- Conference, seminar attended, Training program, Workshop Attended:- 11
- Professional Society affiliation:- ISTE, IE(I), IEEE



### 8. Dr.S. S. Salankar

- Designation: Professor
- Academic experience: 25 Yrs.
- Qualification: Ph.D.
- Area of Specialization: Signal Processing, Image Processing & Soft Computing
- PhD student Guided: 07
- Papers published in International Journal: 04
- Papers published in National/International Conferences: 17



- Training & Workshop attended: 19
- Institution level Portfolio: Dean (International Relations)

## Mechanical Engineering

### 9. Dr. S. B. Jaju



- **Qualification:** M.Tech, Ph.D, MBA
- **Area of Specialization /Research:** Industrial Engg., Quality cost, CNC & Robotics, Modeling & Simulation
- **Total Experience:** 20 Years
- **Number of Publications**
  - Journal (National & International): 50
  - Conferences (National & International): 34
  - Book Chapter: 04
- **Awards:** Best Teacher Award by GHRCE, Best case study Award by IIIE and 03 Best Paper Award by IEI
- **Ph.D students registered:** 01
- **Ph.D Awarded:** 01
- **M.Tech/ ME Project guided:**20
- **Reviewer For International journal / conference:** Rapportire in ICQMP-06, Reviewer in series of ICETET, Member of Editorial Board, IJETET & IJESM, Reviewer-IJESM, IJSSCA, IJSOM, IJPQM, IJISE, IJBPSM, Inderscience Publisher, UK
- **Session chaired for International Conferences:** Session chair-ICETET, ICITAC, NCAME, Keynote speaker-ICIRSGM
- **Patents (filed):**
  - SagarVilasraoGanorkar, Dr. Santosh B. Jaju, “**Development of gripping mechanism for a prosthetic hand**” 550/MUM/2013, National, filed, Date: 26/02/2013.
  - SaikrupaAdenkiwar, Shailesh Alone, TejasPitale, RachitMazumdar, Dr. SantoshJaju, “**Design, Development and Fabrication of Light-weight and Long-Range Pesticide Sprayer**” 2669/MUM/2013, National, Filed, Date: 14/08/2013
  - HarshalTulshiramKhamankar, Dr. Santosh B. Jaju, “A clamping system of a wear plate welding machine”, 4037/MUM/2014, Filed, Date: 16/12/2014
- **Sponsored Projects:**  
Dr. SantoshJaju,Dr. D. J. Tidke "**Optimum Design of Robot using Workspace Simulation Technique**",Rs. 8.40 Lacs, 20/AICTE/RIFD/RPS(POLICY-III)52/2012-13 dated 13 Feb 2013, **AICTE-RPS, New Delhi, Govt. of India.**

### 10. Dr. Pramod V. Walke

Professor & Head (Mechanical Engg.)

- **Qualification:** M.Tech. (Heat Power Engineering), Ph.D.
- **Area of Specialization /Research:** Internal combustion engine, Renewable Energy Sources
- **Research Scholar Enrolled (Ph .D):** 04 Nos.
- **Total Experiences:** 22 Yrs.
- **Publications:-** 44 Nos..
- **International journal:** - 33 Nos.
- **International Conference:** - 07 Nos.
- **National Conference :** - 04 Nos.



- **M.Tech / ME Project guided: 21**
- **Ongoing Ph.D Projects (03 Nos.)**

Sr. No.	Name of Candidate	Topic of Research
01	MrKishorRambhad	An Experimental Investigation in Application of Concentric Solar Collector in Solid Desiccant Dehumidification
02	Mr. Rajesh Ganvir	Performance investigation and thermal analysis of compact heat exchanger using Nano Fluids
03	Mr. V.P.Kalbande	Performance improvement of thermal storage system using solar collector for domestic applications

### Patent

- Patent filed: Title of project: - Photovoltaic cell with concentrating collector.(File no.2666/MUM/2013)
- Patent filed: -Manually Operated Sprayer cum Herbicide Applicator. (1334/MUM/2014/DATED 11/04/2014)

### **11Dr. Vinod N. Bhaiswar**



- **Qualification:** M. Tech. (Mechanisms & Machine Design), Ph.D.
- **Experience:** 25Years
- **Area of Specialization:** Mechanisms & Machine Design
- **Research Scholar Enrolled (Ph .D):** 01 No.
- **Number of Publications: 25**  
International Journal: 12  
International Conference: 09  
National Conference: 06
- **Membership of Professional Societies: 03**  
Life Member, Indian Society for Technical Education, New Delhi.  
Life Member, Indian Society of Heating, Refrigerating & Air Conditioning Engineers.  
Life Member, Indian Society of Biomechanics
- **Projects guided at PG Level : 16**
- **Projects guided at UG Level : 20**
- **Short-term training courses attended: 04**
- **Patent filed: 01**

**Title of project:** Reverse Tricycle with Steering Mounted Controls and Reclining Seat. Patent application No. 2436/MUM/2015

- **Principal Investigator of 2 AICTE funded projects under Research Promotion Schemes (RPS)**
- **Project Title:** Prediction of Mechanical Behavior of Materials Subjected to Fatigue Load.
- **Project Title:** Design & Fabrication of Spherical Joint Lobe Coupling
- **Any other information:**
- Involvement in Sponsored Research Project titled "Vibration Based Condition Monitoring of Drag Line" of WCL, Nagpur from 2002 to 2008.
- Involvement in Consultancy Assignments on "Design and Development of Automatic Plant for Manufacture of Fly-Ash Bricks" of Vasant Chemicals, Hyderabad in the year 2003.

## Civil Engineering

### 12. Prashant Bharat Nagarnaik

Deputy Director and Dean Academics



#### Ph.D students Guided/Ph.D Completed

Name of student	Area	Name of Topic
V M Mohitkar (Awarded 2006)	Interdisciplinary	Development of Quality Assurance Mechanism for Engineering Education System.
D K Parbat (Awarded 2007)	Traffic Engg.	Assessment and Modeling of Noise Levels due to Traffic Flow.
P V Durge (Awarded 2008)	Environmental Engineering	Study and Design of New Concept in Tapered Flocculation
P D Jadhav (Awarded 2009)	Geotechnical Engineering	Behavior of Cement Stabilized Fiber Reinforced Soil Fly ash Mixtures in Road Construction.
P Y Pawade (Awarded 2012)	Structural Engg.	Critical studies on the influence of Silica Fume and Steel Fiber in Enhancing Properties of Concrete
N V Raut (Awarded 2013)	Structural Engg.	Innovative Methods for Retrofitting of Buildings.
R N Nibudey (Awarded 2015)	Structural Engg.	Feasibility Analysis of Use of Waste Plastics in Concrete.
D M Bhonde (Awarded 2015)	Structural Engg.	Feasibility Study and Analysis of the Use of Bamboo Reinforcement in Concrete Structural Members.
Bahuriya (submitted Jan 2016)	Structural Engg.	Feasibility Study of Replacement of Natural Sand by Quarry Dust and Waste Plastic in Concrete.
K.R.Dabhekar (Submitted )	Structural Engg.	Feasibility Study of using GGBS and Steel Fiber in Enchasing the properties of concrete.
B.J.Godbole (Submitted )	Environmental Engineering	Feasibility Study of Removal of Fluoride From Ground Water By Various Solid Waste Adsorbent
Ranjit N. Patil (Submitted )	Environmental Engineering	Feasibility Study of Defluoridation Techniques Using Forest Herbs
HarshaWaradePatil	Environmental Engineering	Feasibility Study on biogas production using animal manure as a co-substrate through pilot scale study
P PDahale	Geotechnical Engineering	Soil Stabilization Using Lime in Combination with Different Solid Waste Materials
RanjeetKirkate	Environmental Engineering	Feasibility Study of De-fluoridation using forest herb.

#### Ph.D Ongoing:

Mangesh P. Bhorkar	Environmental Science	Study of Modified Tube Settlers in the Process of Water Treatment
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**M.Tech/ ME Project guided: 32 projects guided till date-- 22**

**Publications:**

**In International:Journals-- 35 National Journals--20**

**International:Conferences-- 30 National Journals--20**

**Membership of Professional Institutions:--9**

## Reviewer

- Reviewer for International Journals of WESAS, and International
  - Journal of Environmental Pollution
- Conferences and journals of WESAS working group on energy , environment, ecosystems and sustainable development
- International conference ICETET 08,09. at GHRCE, NAGPUR and ICETET10 at BITS Goa and 11 at Mauritius during Nov 18-20,2011

## Awards/Rewards

- Received Second prize for the best paper, "Feasibility Study of Reuse of Backwash Wastewater" in 18<sup>th</sup> Annual Convention of IWWA at Bangalore, Jan. 1989.
- Received First prize for best paper presented on "Role of NGO's in water supply " at seminar organised by IE(I) ,MS state centre&Nashik local centre at Nashik, Dec.8-9,1995.
- Received Best paper award at International Conference on 'Emerging Trends in Engineering and Technology' ICETET08, Organised by GHRCE, Nagpur and KES Center, Australia on 16-18 July 2008.
- Approved guide for Ph.D. in Civil Engg. at SSGB Amravati University, Amravati and RTM Nagpur University, Nagpur.
- Chairman Board of Studies of Civil Engg., Amravati University, Amravati. 2002-07

## Other Achievements

Resource person & evaluator for National Board of Accreditation, New Delhi.

### 13. Dr. PrashantY.Pawade

- Qualification: M.Tech (Structural Engineering), Ph.D.(Civil Engineering).
- Area of Specialization /Research: Structural Engineering.
- Total Experiences: 27 yrs.
- Industrial Experiences if any: 1 yrs.
- Ph.D. Registered :03
- Designation: Professor & HOD in Civil Engineering Department.
- Professional Societies Affiliation-
  - Indian Society of Technical Education.(ISTE)
  - Indian Concrete Institute (ICI)
  - American Concrete Institute (ACI,INDIA Chapter)
  - Fellow of Institute of Engineers (FI)
  - American Concrete Institute (ACI,USA)

#### Research Paper Presentation/Publication in Conference:-

- International Journal :12
- National Journal : 06
- International Conferences : 03
- Conference:07

#### • Training Attended:19

#### • Awards/ Rewards:-

Best Teacher for the academic session 2010.

Special area of Interests:- Structural Engineering and Concrete Technology.

- M.Tech/ ME Project guided: 12 in the Area of(Structural /Transportation/Environmental Engineering)

#### Reviewer for International journal / conference:

- International conference ICETET 08, 09,10 at GHRCE, Nagpur.



## 14. Dr. BhalchandraV.Khode

### Educational Status

B. E. [ Civil Engineering ] ,M. Tech.( Hydraulic Engineering ), Ph.D. in Civil Engineering (Hydraulics & Water Resource)

**Area of specialization:** Hydraulics & Water Resources.

### Work Experience

Teaching – 25 Yrs

Industry – 02

**Designation:** Professor in Civil Engineering Department.

### Professional Societies Affiliation-

- M.I.S.T.E.(L.M.31752)- Member of Indian Society for Technical Education.
- M.I.S.W.E. (L.M 247)- Member of Indian Society for Wind Engineering.
- M.I.S.H.- (L.M.290) - Member of Indian Society for Hydraulics.
- M.I.W.W.A (L.M 6154) - Member of Indian water Works Association
- FIE- F-118038-6 Institute of Engineers (INDIA)
- ASCE- American Society of Civil Engineers

### Research Paper Presentation/Publication in Conference

- International Journals:18
- National Journal: 02
- Conferences ( National /International): 15
- Training Attended :17
- Conference:07

**Research guidance:** UG: 08 ,M.Tech -12, Ph.D – 01 (Ongoing)

### Awards/ Rewards

Best Teacher for the academic session 2006-2007.

ShriS.P.Unvala memorial prize for best research paper in IWWA JOURNAL 2011.

### Coordinator /Convener

- STTP on Advanced Techniques in survey held on 2<sup>nd</sup> to 6<sup>th</sup> Feb 2011
- National Conference on Emerging trend in civil engineering ( NCETCE-2012) held on 4<sup>th</sup> to 5<sup>th</sup> 2012
- National Conference on Emerging trend in civil engineering ( NCETCE-2013) held on 22<sup>nd</sup> to 23<sup>th</sup> Nov 2013
- National Conference on Emerging trend in civil engineering ( NCETCE-2014) held on 12<sup>th</sup> to 13<sup>th</sup> Dec 2014
- STTP on “Disaster Management” under TEQIP-II on 27<sup>th</sup> to 31<sup>rd</sup> July 2015.

### Special area of Interests:- Hydraulics & Water Resources

Reviewer: - 1. American Society of Civil Engineering,

2. Journal of World Applied Science

3. International Journal of Civil Engineering Research & Technology

### Consultancy Services offered;-

1. Topographic Survey & Counter mapping using Total Station
2. Technical Consultant for Design of Labyrinth weir/Spillway

### Guest Lectures Delivered:-

- 1) Design of Labyrinth weir at Vidarbha irrigation development corporation, Nagpur
- 2)Effect Vertical aspect ratio on Design of Labyrinth weir at irrigation development corporation,  
(SinchanSeva) New Delhi.
- 3) Parameter affecting Design of Labyrinth weir at Nagpur Engineering forum
- 4) Water Management







## Computer Science & Engineering & Information Technology

### 16.Name :UrmilaShrawankar



#### Qualification :

- Ph.D. (Comp Sci. &Engg.)
- M.Tech. (Comp Sci. &Engg.)

#### Area of Interest

- Advanced Operating Systems
- Cloud Computing & Virtualization
- Parallel Programming
- Assistive Technology
- Algorithms

#### Grant Received

- UGC Minor Research Project, “Multilingual Number Interpreter ”, from University Grants Commission, File No. No. F. 47-1270/14(WRO), Year 2016
- DST Travel Grant for attending International Conference (Springer Publications) at Manchester, UK From Govt. of India, Ministry of Science & Technology, Dept. of Science & Technology (DST), Lett. No. : SR/ITS/02521/2010-2011, Year 2010

#### Patent Application Filed : 03

- Assistive Technique of Mouse Controlled Desktop Navigation for Visually Impaired, National 405/MUM/2015, 06/02/2015, In process
- Multilingual Number Image Interpreter, National 571/MUM/2015, 20/02/2015, In process
- Accessing Computer System Files Via Mobile SMS,, National, 3314/MUM/2015, 29/08/2015, In process

#### Paper Publications : 119

- Book Chapters – 02
- International Journal – 33
- International Conférences – 80
- National Conférences – 04

#### Research Guidance

- PhD : 03
- M.Tech (CSE) : 58
- ME by Research : 01
- B.E. (CSE) Groups : 24

#### Professional Bodies Membership

- IEEE – 80612077
- ACM - 9478430
- CSI – 00148040 (Associate LM)
- ISTE – 34071 (LM)
- IE – AMTIE-400015 (LM)
- IAENG - 140645

#### Research Participation in Journals and Conferences

- Editorial board member : 03
- Conference Convener : 01
- Member Core Organizing Committee : 08
- Session Chair : 10
- Session Speaker : 03
- International Journals, Member, TPC: 43

- International Conferences, Member, TPC: 53

**Approved Supervisor :**

- PhD Supervisor, RTM Nagpur University, Nagpur
- PhD Supervisor, SGB Amravati University, Amravati
- ME by Research Supervisor, RTM Nagpur University, Nagpur



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