



**G. H. Raison College of Engineering & Management  
Wagholi, Pune**



**(Autonomous Institute Affiliated to Savitribai Phule Pune University)**

## **Research and Development Cell**

### **Activity Report**

**June -2018**

**Academic Year 2018-19**

**-Dr.Tanuja S.Dhope**

**Engineering | Management | Law | Schools | Other Courses |**

**• NAGPUR • AMRAVATI • AHMEDNAGAR • PUNE • JALGAON • RAIPUR •**



## **INSTITUTE VISION & MISSION**

### **VISION:-**

To achieve excellent standards of quality education by  
Keeping pace with rapidly changing technologies.

To create technical manpower of global standards with  
Capabilities of accepting new challenges.

### **MISSION:-**

Our efforts will be dedicated to impart quality and  
Value based education to raise satisfaction level of all  
Stake-holders. Our strength will be directed to create  
competent engineers. Our endeavor will be to provide all  
support to promote Research & development activities.

## **Objectives**

- The Research Promotion Cell of G.H. Rasoni College of Engineering and Management, Pune 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 to undertake the research in newly emerging frontier areas of science and engineering including multidisciplinary fields. This enhances the general research capability of budding technocrats by way of participating in conferences, seminars, workshops, project competition, etc

## 1:Invited expert talk for UG

S . N	Date	Conducted by Department	Type of Activity	Name of Person	Name of Person/Designation /Company Name	Student	Staff	Faculty Coordinator
1	9/6/2018	R &D Cell	Introductory Seminar on "Intellectual Property Rights"	Mr. Sunneet Sabale	CEO,Brainiac IP Solutions , Pune. 9112299453 contact@brainiac.co.in	Nil	48	Dr.Tanuja S. Dhope Dr.Prvain Kshirsagar
2	23/6/2018	R &D Cell	Introductory Seminar on "Intellectual Property Rights	Mr.Dhruv Brahmabhat	CEO,My Crave, Gujarat 917600690996 mycraveconsultancy@gmail.com	22 (IT and Civil )	63	Mrs. Shabdha Dondgaonkar
3	29/06/2018	Computer and IT	Creativity & Innovation (How to write Research Paper)	Dr.M.S.Chaudhari	Associate Prof.,Sinhgad Institute of Technology ,Lonavala  91-8554944349 / 9284317762 mschaudhari20@gmail.com	135 (TY : IT and Comp	8	Ms.Vidhya Dhamdere
4	30/06/2018	R &D Cell with Computer	Artificial Intelligent and Machine Learning	Dr. Mansi Patawarthan	Research Scientist TCS, Hinjwadi 9545456634 manasi.kelkar@gmail.com	80(TY IT, Comp, ETC)	8	Ms.Sunita Nandgave

## R &D Cell : Introductory Seminar on “Intellectual Property Rights”



### Introductory Seminar on “ Intellectual Property Rights”

#### Description of the event:

R & D cell of GHRCEM, Pune has organized Introductory Seminar on “ Intellectual Property Rights” on dated 09th June 2018 from 10:00 am to 1.30 pm for the faculty members of GHRCEM and GHRIET ,Pune. Dr.Tanuja dhope welcomed Mr.Suneet Sabale, CEO, Brainiac IP Solutions.

Mr.Suneet Sabale gave the detail about patent filing to patent awards, along with trademarks, copyrights. Discussions were held on today’s globally competitive environment where intellectual property has placed itself on a pedestal in the context of economic growth and is becoming increasingly important. Intellectual Property (IP) was expressed as the fuel that powers the engine of prosperity, fostering invention and innovation. The increasing significance of intangible assets in the global economy is forcing business and educational organizations to actively manage their IP as a key driver for building and sustaining their competitive advantage and achieving superior performance. Mr. Suneet Sabale also emphasized on the importance of IPRs as they are now being used not only as a tool to protect creativity and generate revenue but also to build strategic alliances for socio-economic and technological growth. Accordingly, in order to foster the protection of innovations and creativity, the Intellectual Property Office under the Ministry of Commerce and Industry is dedicated to mobilize the use of such technological advancement for the economic development of the country.

Dr. R. S. Bichkar briefed about the importance of filling patent.Total 48 faculties were present in this seminar. The seminar was concluded by vote of thanks by Dr. Pravin Kshirsagar. Continuous support and motivation from Raison Management, Shri. Sunil Raison (Chairman, RGI), Shri. Ajit G.Tatiya(Trustee Director, RGI, Pune), Dr.Vaibhav Hendre (I/C Director, GHRCEM, Pune) and faculty members made this event a grand success.

#### Details of the news coordinator:

Name: Dr. Tanuja Dhope

Organization: GHRCEM, Wagholi, Pune

Department: Research & Development Cell

## R & D Cell and Information Technology : Introductory Seminar on “Intellectual Property Rights”



### Seminar on “ Intellectual Property Rights”

#### Description about the event:

R & D cell of GHRCEM, Pune has organized Seminar on “ Intellectual Property Rights” on dated 23<sup>rd</sup> June 2018 from 10:00 am to 1.30 pm for the faculty members of GHRCEM and GHRIET ,Pune. Dr.Tanuja Dhope (Dean R &D) welcomed Mr.Dhruv Brahmabhat , Managing Director, My Crave Consultancy Servies & Ms.Pooja Menon , COO My Crave Consultancy Serives.

Mr.Dhruv Brahmabhat gave information about usefulness and Value of Patent Information for Public and Private Sectors, the detail about patent filing to patent awards, along with trademarks, copyright, how to draft powerful patents.Discussions were held on today’s globally competitive environment where intellectual property has placed itself on a pedestal in the context of economic growth and is becoming increasingly important. Ms. Pooja Menon also emphasized on the importance of IPRs as they are now being used not only as a tool to protect creativity and generate revenue but also to build strategic alliances for socio-economic and technological growth. Accordingly, in order to foster the protection of innovations and creativity, the Intellectual Property Office under the Ministry of Commerce and Industry is dedicated to mobilize the use of such technological advancement for the economic development of the country. Intellectual Property (IP) was expressed as the fuel that powers the engine of prosperity, fostering invention and innovation. The increasing significance of intangible assets in the global economy is forcing business and educational organizations to actively manage their IP as a key driver for building and sustaining their competitive advantage and achieving superior performance.

Total 63 faculties and 22 students( IT and Civil) were present in this seminar. The seminar was concluded by vote of thanks by Ms.Shabda Dongaonkar.Continuous support and motivation from Raisonni Management, Shri.Sunil Raisonni (Chairman, RGI),Shri.Ajit G.Tatiya(Trustee Director, RGI, Pune),Dr.Vaibhav Hendre (I/C Director, GHRCEM, Pune) and faculty members made this event a grand success.

#### Details of the news coordinator:

Name: Ms.Shabda Dongaonkar (IT)

Organization: GHRCEM, Wagholi, Pune

Department: Research& Development Cell

## Computer and Information Technology Department: R&D Activity 1:How to write Research paper and Dissertation



### R&D Activity 1:How to write research paper and Dissertation report

#### Description about the event:

Department of computer and IT has organized guest lecture on “How to write research paper and Dissertation report” under guidance of R&D cell on 29/6/2018. Dr. M.S. Choudhari from SIT Lonavala is resource person. Activity is divided into 3 sessions as follows.

Session 1: Research : how and why, research lifecycle, research process

Session2: how to do literature review and problem statement identification

Session 3: various research paper formats, how to write research paper, Dissertation report.

For this activity total 135 students of TY BTech and SY M Tech Computer and IT department and 6 faculties from computer department attended.

Outcome of Guest Lecture:

1. Student should understand how to do research and why
2. To inculcate Research culture amongst students.
3. Student should able to write research paper and published.

#### Details of the co-coordinator:

Name: Ms.Vidya Dhamdhare

Department: COMPUTER ENGINEERING

Organization : GHRCEM, Wagholi, Pune

Date:29th July,2017

## R &D Cell and Computer : Seminar on Machine Learning and It's



### Description about the event:

Department of Computer Engineering has organized Seminar on “Machine Learning and it’s applications” on 30<sup>th</sup> June 2018 in collaboration with R & D cell of GHRCEM, Pune. Mrs. Sunita Nandgave has given introduction of chief guest Dr. Manasi Patwardhan, Research Scientist from Tata Consultancy Services Pune. Dr. Vaibhav Hendre (Incharge) Director felicitate to the chief guest of this seminar. Dr.Tanuja S. Dhope, Dean R &D , briefs about importance of research.

Dr. Manasi Patwardhan started the seminar with an overview of Machine learning, which includes Machine Learning Process, Supervised and Unsupervised learning techniques and case studies, reinforcement learning.Dr. Manasi Patwardhan also emphasized on the importance of human behavioral analytics and various real time projects. Projects such as real-time devnagari character recognition, handling compound characters, project on recognition of facial expression in real time environment for online learning system.

Head of the Department Mrs. Poonam Gupta concluded this seminar by giving vote of thanks and also discussed the importance of machine learning as it is booming technology. Total 44 students from TY Computer and 36 students from TY IT and 8 faculties from computer department were benefited by this seminar.

### Details of the news coordinator:

Name: Mrs. Sunita Nandgave

Department: COMPUTER ENGINEERING

Organization : GHRCEM, Wagholi, Pune

Date: 30/06/2018