

# TODAY DISCUSS ABOUT

1. JOURNEY OF IPR
2. PATENT SEARCH METHODOLOGY
3. GTU'S PROJECT MENTORING SYSTEM
4. PATENT SEARCH & ANALYSIS REPORT
5. STUDENT STARTUP SUPPORT SYSTEM (S4)
6. DTS PROJECT FORM(RS. 25,000/-)



**Asst. Prof. Harshad C. Patel**  
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**SRPEC-Unjha**



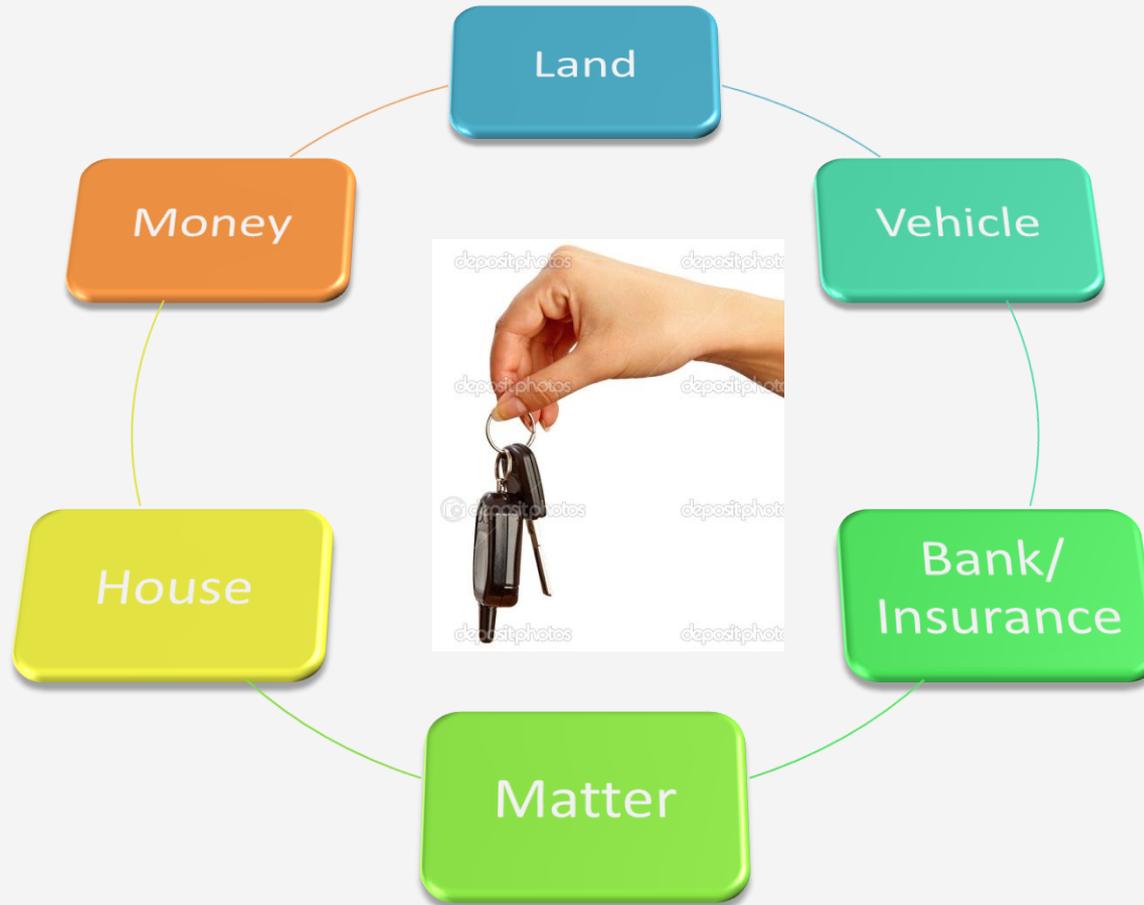
# PATENT REQUIREMENTS AND INDIAN PATENT SURVEY



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**SRPEC-Unjha**



# PROTECTION OF YOUR PHYSICAL PROPERTY



# BUT ABOUT KNOWLEDGE?





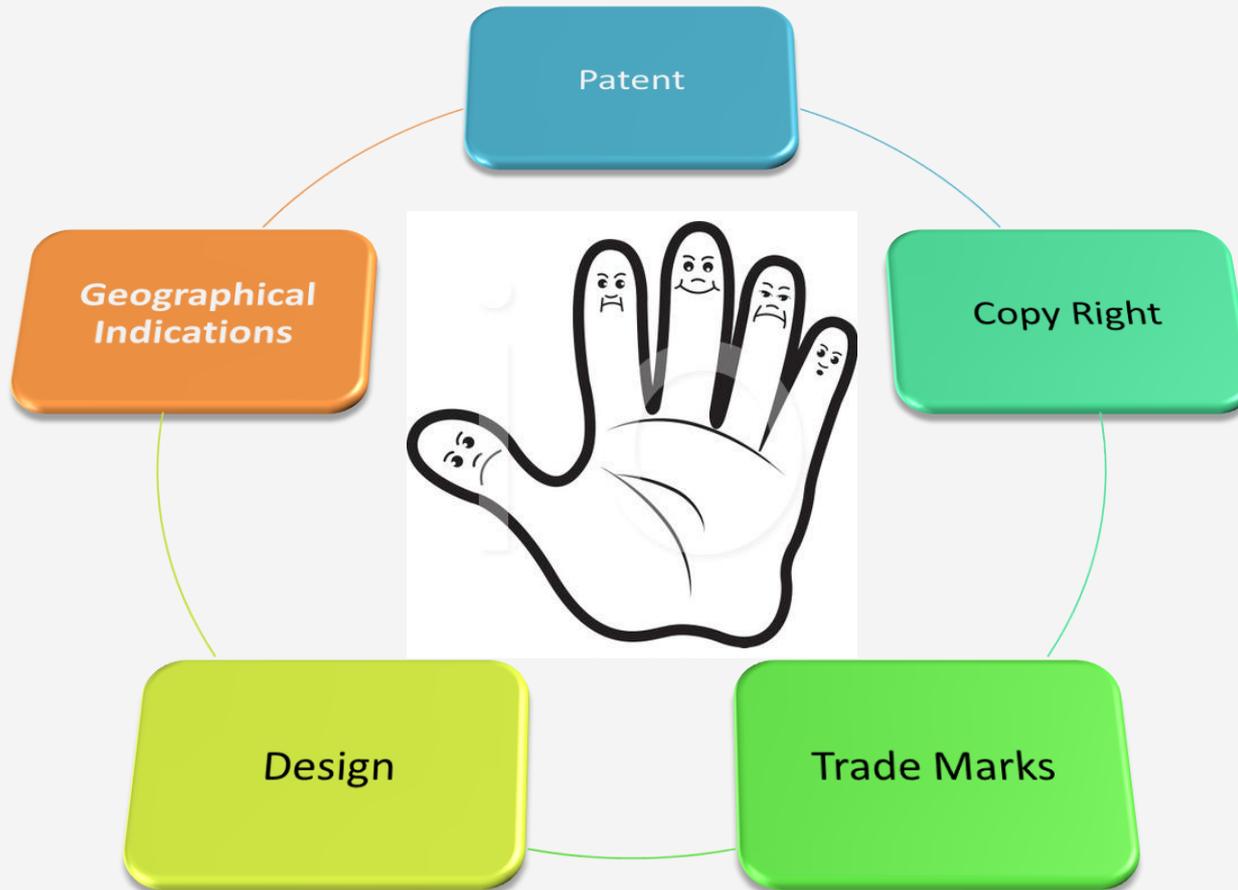
World  
Intellectual Property  
Rights (WIPIR)  
By  
WIPO

# Intellectual Property Rights (IPR)

- Intellectual Property Rights (IPR) are considered to be the **spine of any economy** and their creation and protection is essential for sustained growth of a **nation**.
- The intellectual property rights are now not only being used as a **tool to protect the creativity** and **generate revenue** but also to build strategic association for the **socio-economic and technological growth**.



# FACILITY TO GOVERNMENT FOR PROTECT YOUR KNOWLEDGE



# Intellectual Property

Intellectual property (IP) refers to creations of the mind: inventions, literary and artistic works, and symbols, names, images, and designs used in commerce.

- WIPO



Idea + Expression = COPYRIGHT



Idea + Innovation + Invention = PATENT

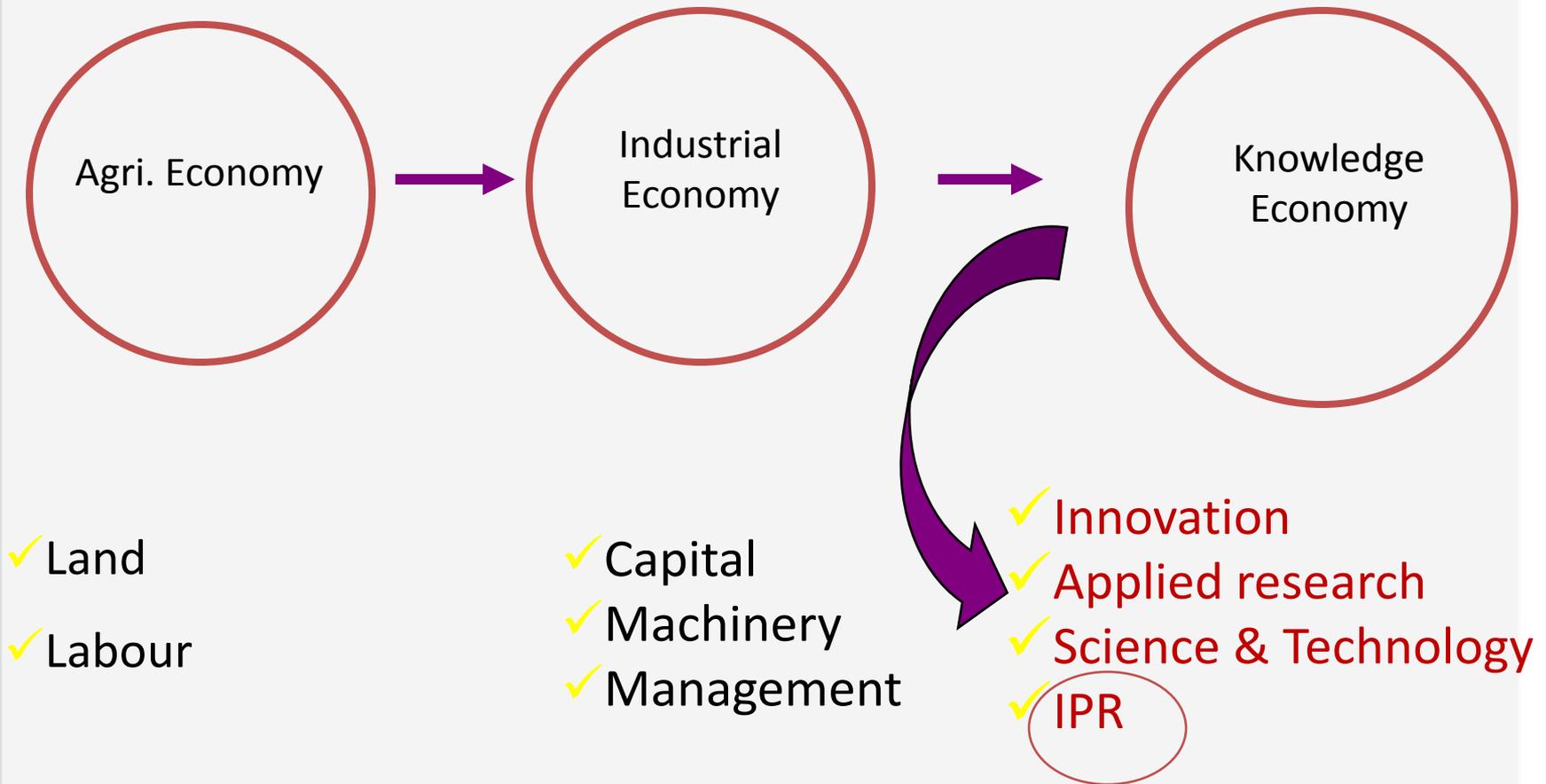
Idea + Quality + Identity = TRADEMARK



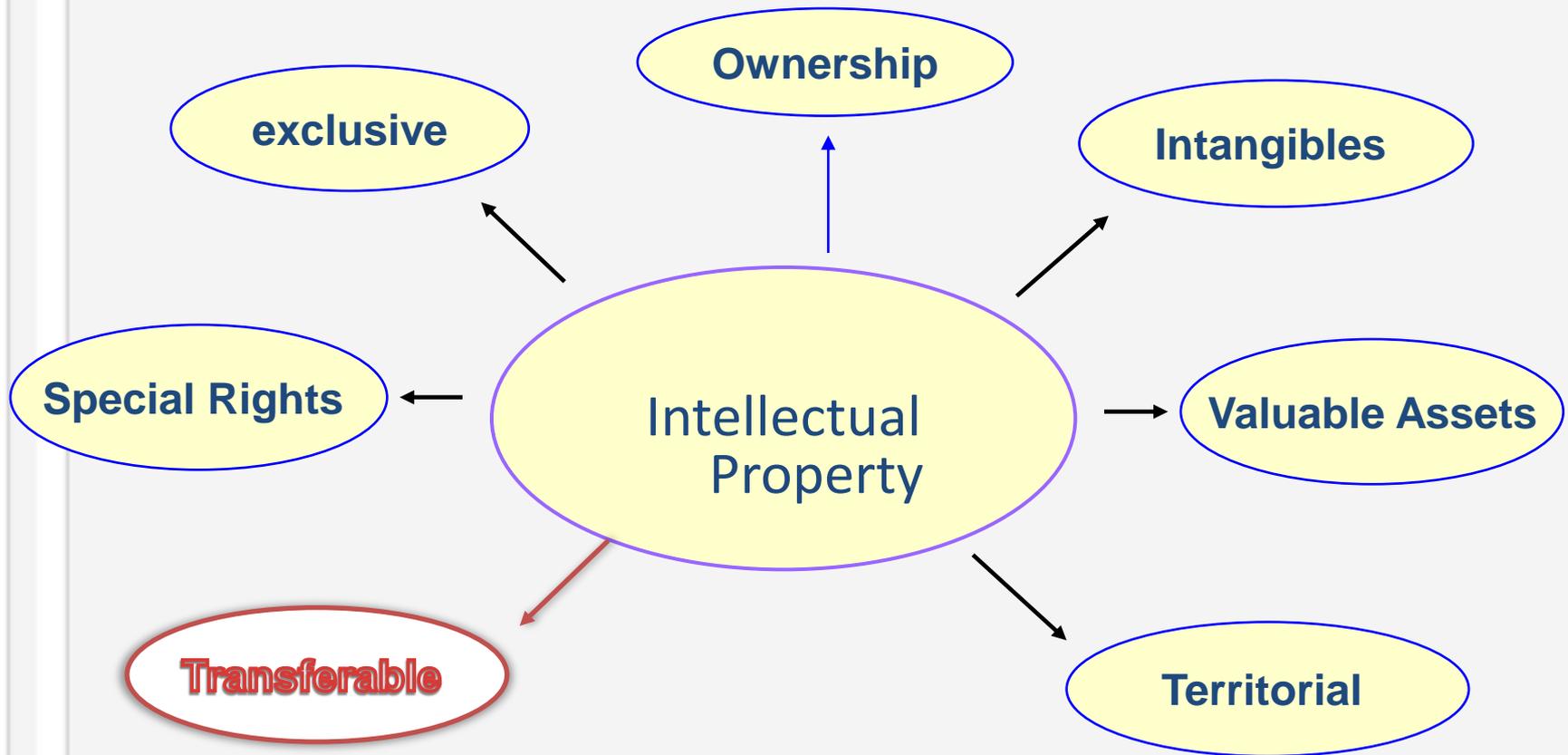
Idea + Appearance = DESIGN



# World Economy : The Paradigm Shift

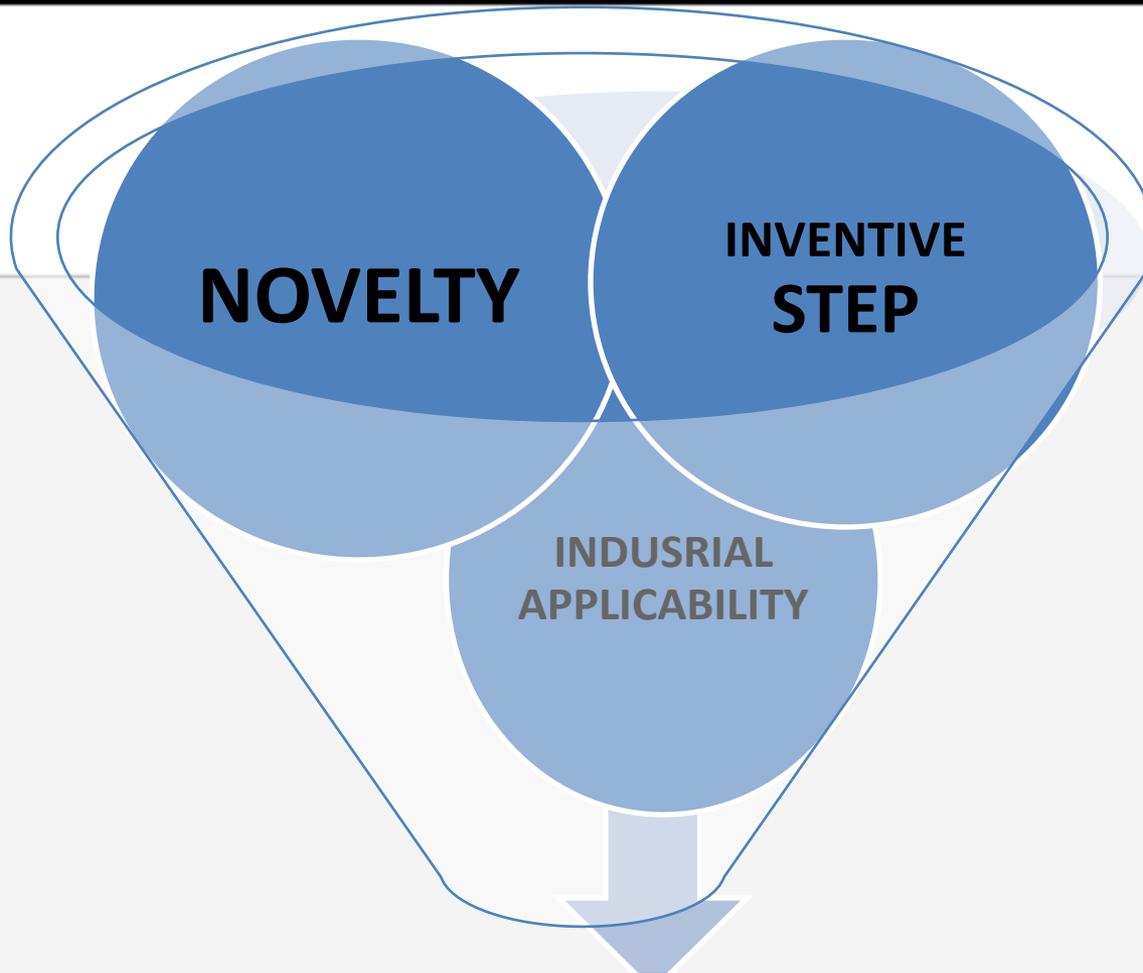


# Characteristic of IPR



# 1. Patent





# What Is a Patent?

- A patent is a government granted monopoly
- Exclusive right to **make, use or sell** an invention

# Patents are granted for inventions

- What is an invention?
  - New or useful art
  - Process
  - Machine
  - Manufacture
  - Composition of matter
  - Improvements



# Section 27 – *Patent Act*

- (1) Authority to grant patents to inventors
- (3) Defines what is necessary by way of description
- (4) Requires claims that are **distinct and explicit**
- (8) Provides an exclusion for mere scientific principle or abstract theorem

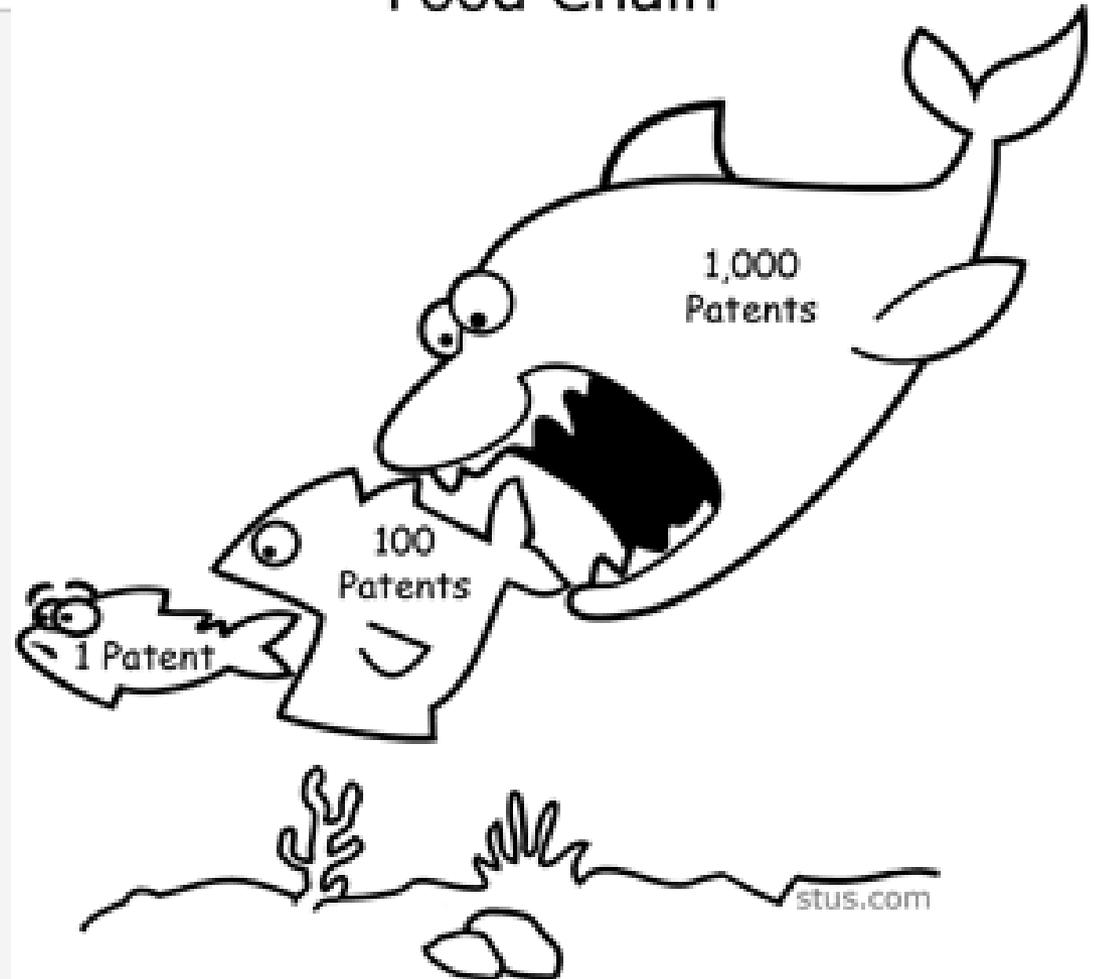
# YOU MUST KNOW !!

- **Provides Monopoly**  
(to exclude others from **making, using or selling or importing** an invention.)
- In exchange for **full technical disclosure**.
- First to file
- For a period of **20 years**.
- **Territorial** protection according to the laws of respective countries.
- To encourage **technical and economic development**.
- **Benefits to Inventor** such as **Royalty, license agreements** etc.



## Technology Company Food Chain

Knowledge  
Economy &  
Patents . . . !



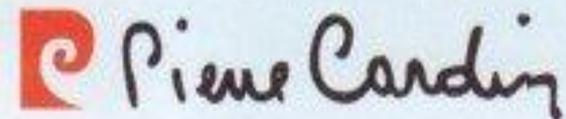


## 2. Trade Marks



# Enterprising Gujarat & Gujarati ...!!





 **UNITED**

**AIR CANADA** 

 **AMERICA WEST**

 **U.S. AIRWAYS**

  
**CATHAY PACIFIC**

**American Airlines®**

**BRITISH AIRWAYS** 

**ANA** 

**Alitalia**

**sabena** 

**AIR FRANCE** 

*virgin atlantic* 

 **QANTAS**

**JAL** 

 **Delta Air Lines**

  
**AIR NEW ZEALAND**

 **NORTHWEST**

 **VARIG**

 **Lufthansa**

 **Thai**  
Thai Airways International

**swissair** 

**SINGAPORE AIRLINES** 

**SAS**

  
**KLM**





Korea



Korea



Korea



China



China



Japan



Taiwan



beltmann GROUP



Microsoft®



Google™

3M



PERSPECTIVE

new morning windows



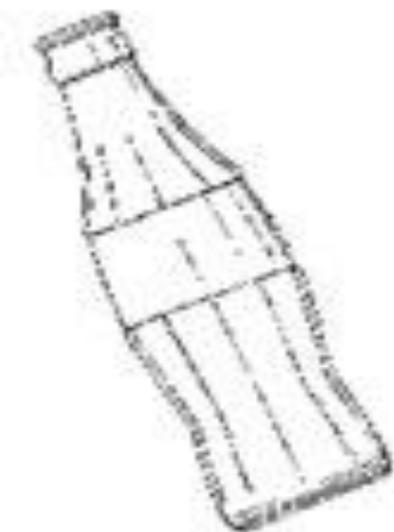
Rural Connections  
"World Wide in the Middle West"



femi\*corp.

HSC HANSEN SUPERCHARGER CORPORATION









**McDonald's**

**PARODY? DILUTION?  
INFRINGING TM USE?  
FREE SPEECH? FAIR USE?  
RONALDMCHUMMER.COM**

# TRADE MARKS



# TRADE MARKS ??? !!!



Copyright Vishal Kumar



# Deceptive Similarity



# Deceptive Similarity .... Contd.



THROWING UP JUST FEELS BETTER

[FreakingNews.com](http://FreakingNews.com)

**NOKIDS**  
Want our phones anymore



# 3. Geographical Indication



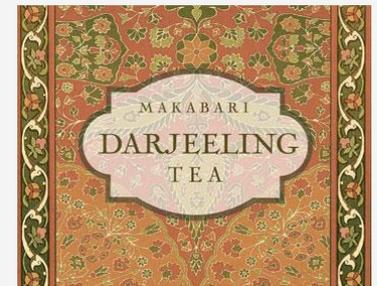
# Geographical Indication

- A geographical indication is a sign used on goods Having a special quality or characteristics or reputation
- Based upon the climate or production characteristic unique to the geographical location.

GI . .



- Champagne,
- **Tirupati** Laddoos
- **Florida** Oranges,
- **Gir** Kesar Mango,
- **Darjeeling** Tea,
- **Swiss** watches,
- **Indian** carpet.



# 4. Copy Right



## COPY RIGHT



copyright

all rights reserved

- Copy right is a right given to creators Of
  - **literary**
  - **Dramatic**
  - **Musical Works**
  - **Producers of cinematograph films**
  - **Sound recordings** to decide on its use.
- It provides rights of reproduction, public performance, recordings broadcasting and translation or adaptation of the work.

# 5. Design





Encourage Indigenous Innovation...!!!!



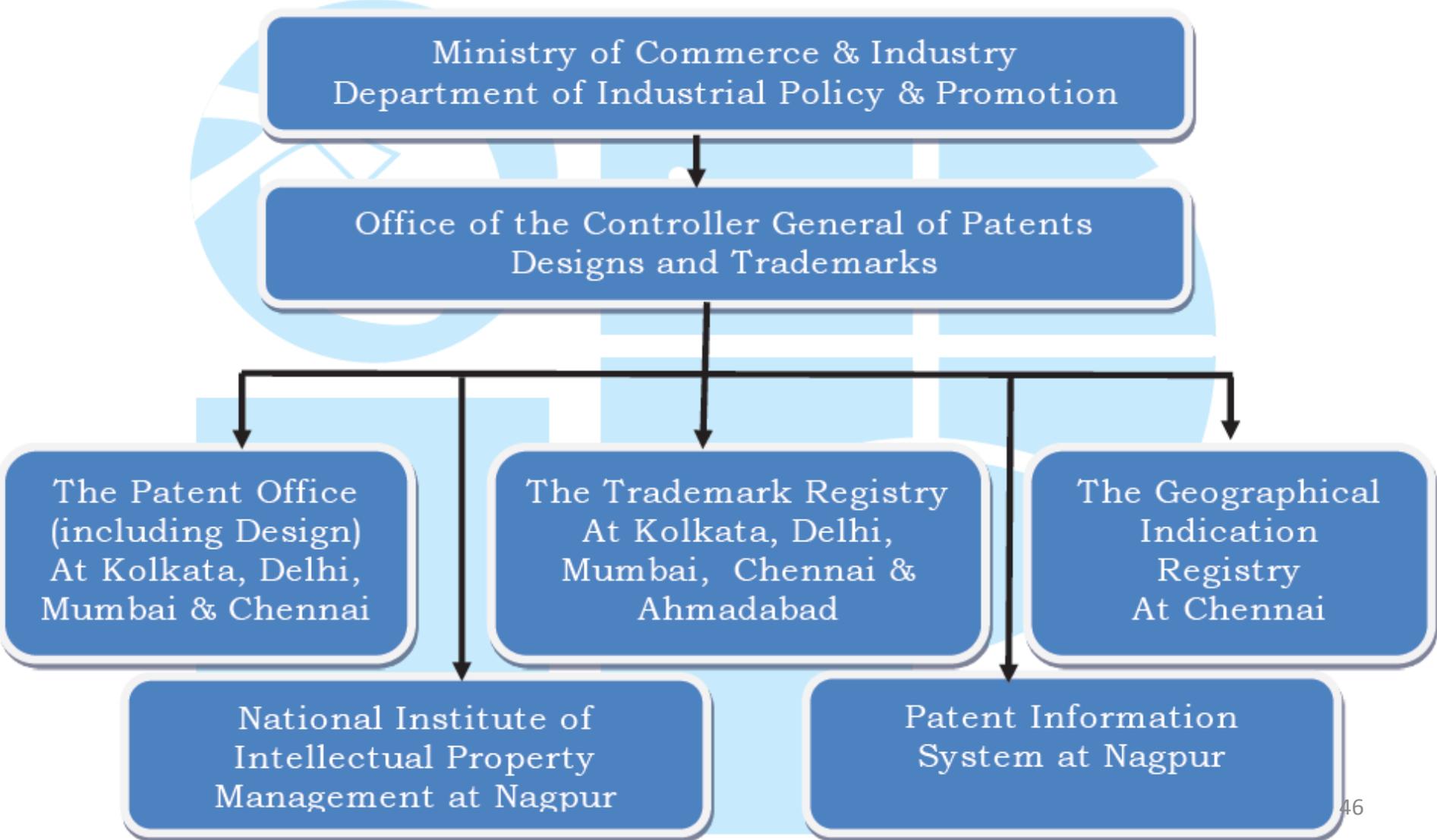




- India is now recognized as a hub for research and development (R&D) activities for the industrial sectors particularly relating to
- Information Technology
- Drugs and Pharmaceutical
- Space Research
- Biotechnology
- Entertainment and several other emerging fields.

- The Office of the Controller General of Patents, Designs & Trade Marks (CGPDTM) comes under the Department of Industrial Policy and Promotion, Ministry of Commerce and Industry.
- Of late, the office of the Controller General has also been known as Intellectual Property Office (IPO).
- The Office is responsible for the administration of
  - Patents Act, 1970
  - Designs Act, 2000
  - Trade Marks Act, 1999
  - Geographical Indications of Goods (Registration and Protection) Act, 1999

# Organizational details of Intellectual Property Office



# Trend in Patent Applications In India

Year	Filed	Examined	Granted	Disposal of request for examination
2004-05	17466	14813	1911	NA
2005-06	24505	11569	4320	NA
2006-07	28940	14119	7539	NA
2007-08	35218	11751	15316	NA
2008-09	36812	10296	16061	NA
2009-10	34287	6069	6168	NA
2010-11	<b>39400</b>	<b>11208</b>	<b>7509</b>	<b>12851</b>



# Trend in Design Applications In India

Year	Filed	Examined	Registered
2006-07	5521	4976	4250
2007-08	6402	6183	4928
2008-09	6557	6446	4772
2009-10	6092	6266	6025
2010-11	<b>7589</b>	<b>6277</b>	<b>9206</b>



# Trend in Trademarks Applications In India

Year	Filed	Examined	Registered
2006-07	103419	85185	109361
2007-08	123514	63605	100857
2008-09	130172	105219	102257
2009-10	141943	25875	67490
2010-11	<b>179317</b>	<b>205065</b>	<b>115472</b>

# Trend in Geographical Indications In India

Year	Filed	Registered
2006-07	33	3
2007-08	37	31
2008-09	44	45
2009-10	40	14
2010-11	27	29



# Trend in Total IPR In India

Year	Filed	Registered
2006-07	33	3
2007-08	37	31
2008-09	44	45
2009-10	40	14
2010-11	27	29



# Top 5 Indian applicants for patents in the field of Information Technology

Sl. No.	Name of Companies	Applications filed
1.	SAMSUNG INDIA SOFTWARE OPERATIONS Pvt. Ltd.	51
2.	TATA CONSULTANCY SERVICES LIMITED	32
3.	INFOSYS TECHNOLOGIES LIMITED	28
4.	TEJAS NETWORKS INDIA LTD.	15
5.	INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY	09

## Top 10 Indian Applicants for patents from Scientific and Research & Development Organizations

Sl. No.	Name of Scientific and Research & Development Organizations.	Applications filed
1.	COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH (CSIR)	183
2.	DEFENCE RESEARCH & DEVELOPMENT ORGANISATION (DRDO)	59
3.	INDIAN COUNCIL FOR AGRICULTURAL RESEARCH (ICAR)	51
4.	DEPARTMENT OF BIOTECHNOLOGY	21
5.	DEPARTMENT OF INFORMATION TECHNOLOGY (DIT)	19
6.	JUBILANT LIFE SCIENCES LIMITED	16
7.	SEQUENT SCIRNTIFIC LIMITED	13
8.	NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH (NIPER)	11
9.	INDIAN COUNCIL OF MEDICAL RESEARCH (ICMR)	11
10.	CENTRAL COUNCIL FOR RESEARCH IN UNANI MEDICINE	09

# Top 10 Indian Applicants for patents from Institutes and Universities

Sl. No.	Name of Institutes/Universities	Applications filed
1.	INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY	58
2.	INDIAN INSTITUTE OF SCIENCE	38
3.	INDIAN INSTITUTE OF TECHNOLOGY, KANPUR	32
4.	INDIAN INSTITUTE OF TECHNOLOGY, KHADAGPUR	29
5.	INDIAN INSTITUTE OF TECHNOLOGY, MADRAS	20
6.	CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING	16
7.	INDIAN INSTITUTE OF TECHNOLOGY, DELHI	16
8.	THE ENERGY AND RESOURCES INSTITUTE (TERI)	13
9.	NATIONAL INSTITUTE OF PHARMACEUTICAL EDUCATION AND RESEARCH (NIPER)	11
10.	UNIVERSITY OF CALCUTTA	11



# Top 10 Foreign Applicants

Sl. NO.	Name of Organisation	Number of Applications
1	QUALCOMM INCORPORATED	1153
2	KONINKLIJKE PHILIPS ELECTRONICS N.V.	627
3	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	449
4	BASF SE	304
5	SONY CORPORATION	302
6	MICROSOFT CORPORATION	301
7	ROBERT BOSCH GMBH	284
8	SHARP KABUSHIKI KAISHA	277
9	ALCATEL LUCENT	269
10	SIEMENS AKTIENGESELLSCHAFT	249

# Top Indian Patentees of the year

Sl. NO.	Name of Organization	Number of Applications
1	COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH (CSIR)	265
2	HINDUSTAN UNILEVER LIMITED	57
3	BHARAT HEAVY ELECTRICALS LIMITED	52
4	TATA STEEL LIMITED	36
5	TVS MOTOR COMPANY LIMITED	28
6	DIRECTOR GENERAL, DEFENCE RESEARCH & DEVELOPMENT ORGANISATION (DRDO)	21
7	STEEL AUTHORITY OF INDIA LIMITED	16
8	CADILA HEALTHCARE LIMITED	13
9	DEPARTMENT OF BIOTECHNOLOGY	13
10	INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY	11

# Top 10 Foreign Resident Patentees

Sl. NO.	Name of Organization	Number of Patents
1	QUALCOMM INCORPORATED	178
2	HONDA MOTOR CO. LTD	96
3	SAMSUNG ELECTRONIC CO LTD	77
4	THE PROCTER & GAMBLE COMPANY	75
5	THOMSON LICENSING S.A.	73
6	MOTOROLA, INC.	72
7	HONDA GIKEN KOGYO KABUSHIKI KAISHA	55
8	RESEARCH IN MOTION LIMITED	48
9	TELEFONAKTIEBOLAGET LM ERICSSON (PUBL)	47
10	LG ELECTRONIC INC.	45

# Comparison of the Revenue generated during the Year 2009-2010 and 2010-2011

Year	2009-2010 (Rs.)	2010-2011 (Rs.)
Patents	1,42,61,73,541	1,58,78,10,509
Designs	91,45,030	1,06,26,985
Trade Marks	71,61,25,436	86,15,00,000
GIR	4,89,440	2,75,706
PIS/NIIPM(IPTI)	5,98,954	5,39,585
<b>Total</b>	<b>215,25,32,401</b>	<b>246,07,52,785</b>

# Out of the applications filed by the Indian applicants

**Maharashtra (2441)**

**Tamilnadu (1040)**

**Karnataka (887)**

**Delhi (863)**

**Andhra Pradesh (697)**

**West Bengal (427)**

**Gujarat (387)**

**Uttar Pradesh (346)**

**Kerala (288)**

**Haryana (161)**

**Jharkhand (97)**

**Rajasthan (74)**

**Punjab (55)**

**Uttarakhand (51)**

**Madhya Pradesh (45)**

**Orissa (39)**

**Assam (37)**

**Chandigarh (33)**

**Bihar (31)**

**Chhattisgarh (12) etc.**

# Patent Offices By Patent Cooperation Treaty

- Today: the Patent Offices of
  - Australia
  - Austria
  - Canada
  - China
  - Finland
  - Japan
  - Republic of Korea
  - Russian Federation
  - Spain
  - Sweden
  - United States of America
  - European Patent Office
  - Nordic Patent Institute
- Soon: the Patent Offices of India and Brazil





**Questions Please**



# Thanks

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