

Fostering safe, productivity and timely mobility between EU and INDIA



CONFINDUSTRIA

ALFONSO BALSAMO

Employment and Human Capital Department



MISMATCH

1 on 2



Paris Bordone (1500-1571)
Athena refuses the avances of Ephestus



GANESHA the patron of arts and sciences and
the deva of intellect and wisdom

Ephestus



- Efficiency
- Technique
- Manuality
- Adaptability
- Sense of Entrepreneurship
- Practicality

Athena



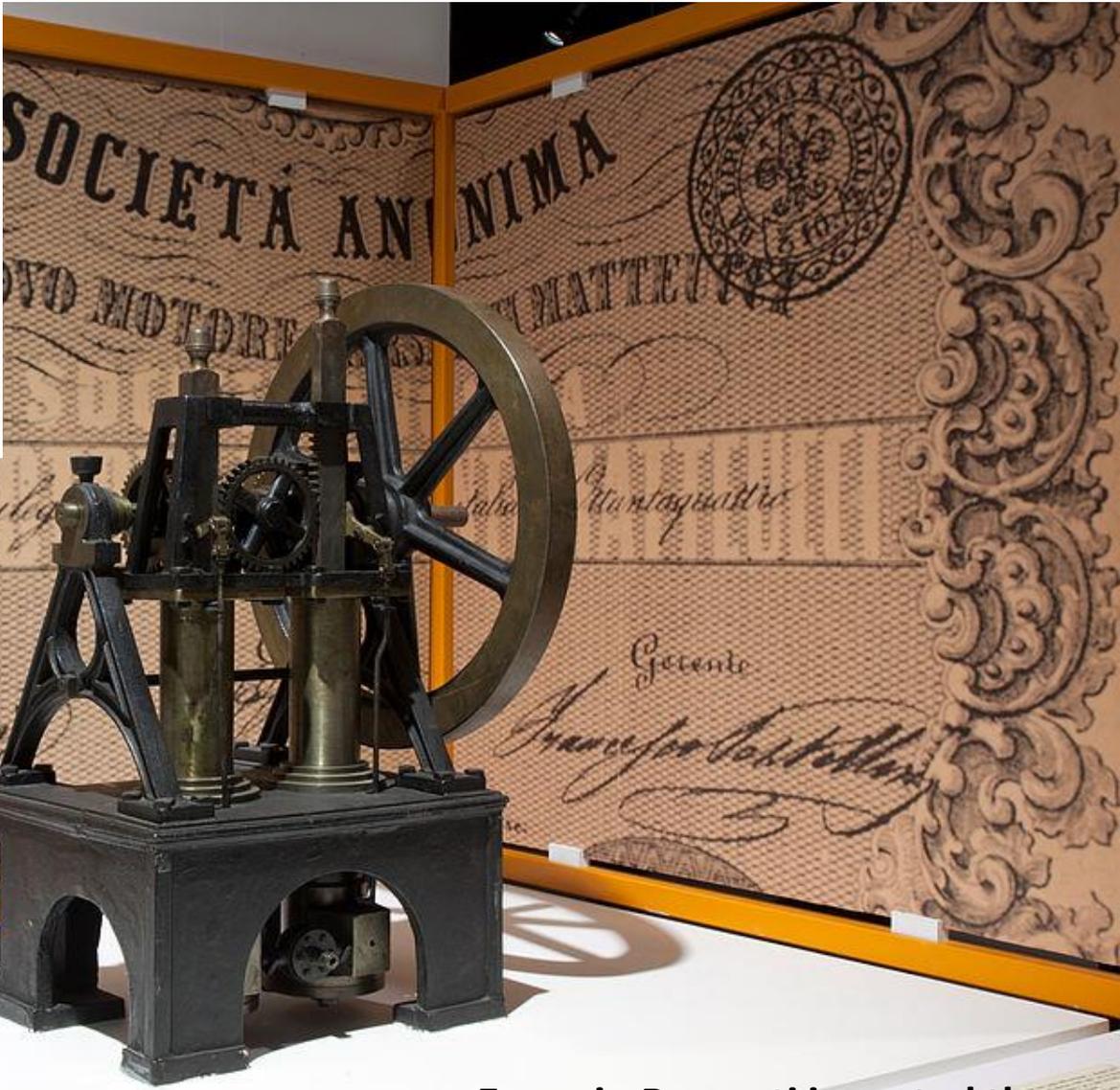
- Knowledge
- Creativity
- Art
- Thinking
- Theoretical
- Discernment

Ganesha

- Efficiency
- Technique
- Manuality
- Adaptability
- Sense of Entrepreneurship
- Practicality



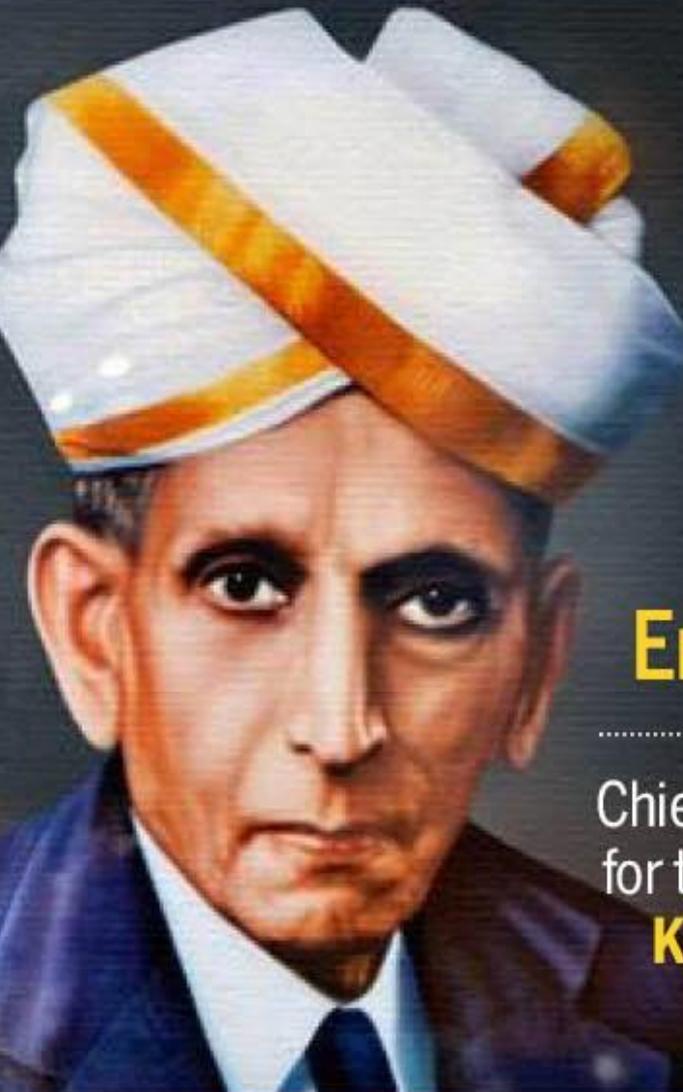
- Knowledge
- Creativity
- Art
- Thinking
- Theoretical
- Discernment



6° june 1853

Eugenio Barsanti invented the internal combustion engine 14 years before Karl Benz

Celebrated engineer and scholar **M Visvesvaraya** was born on Sept 15, 1860



A STALWART OF INDIAN ENGINEERING

His birthday is celebrated as
Engineer's Day

Chief engineer responsible for the construction of the
Krishna Raja Sagara dam in Mysore

Designed and patented the automatic
weir water floodgates, first installed at the
Khadakwasla Reservoir, Pune in 1903

Designed a
flood protection system for Hyderabad, giving him celebrity status

Received the
Bharat Ratna in 1955

Lived till the
age of 101

NF

newsflicks

SMS NF to 52424

FOR FREE DOWNLOAD

COMPARE AND CONTRAST

ITALY

the technical culture is considered “inferior” than the literature and humanistic culture
(even in the institutions: MIUR)

INDIA

the technical culture is well considered and is an important “social elevator” and an “employability channel” into the education system
(even in the institutions:

public - Minister of Human Resources Development, private – AICTE)

SKILL SHORTAGE: DIFFERENT CAUSES

ITALY

wrong choices by students, above all secondary students
(Italy is the first OECD country for humanistic degrees)

INDIA

technical (higher) education institutions are not enough
diffused for answering to a huge demand by new Indian
generations (in 2015 1.3 milion of candidates for the
prestigious Indian Institutes of Technologies, but just
10.000 available places)

SKILL SHORTAGE: SAME PROBLEM

ITALY

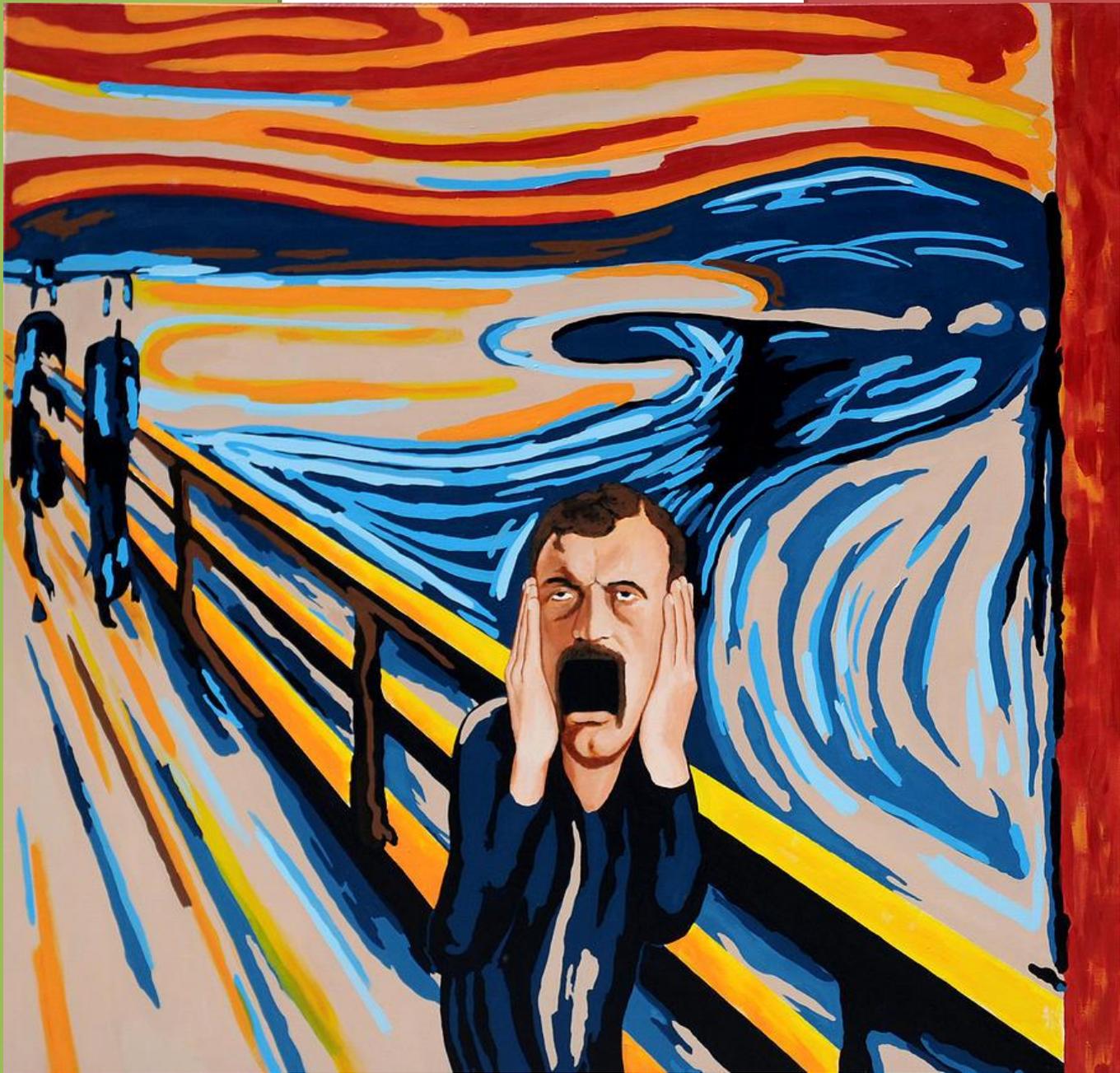
35% of the demand for technical skills of companies will not be met. Over half of the Italian workforce is not ready for industry 4.0.

The 40% of IT professionals need to be upskilled

INDIA

only 5% of the Indian workforce has skills that perfectly match the demands of the labor market (source: National Skill Development Corporation). According to an OECD report, India ranks second among the 10 countries facing greatest skill shortage. 64% of firms in India encounter difficulty finding qualified employees.

The 40% of IT professionals need to be upskilled



STRANGE BUT...

70%

**Students from Italian secondary schools
don't know that Italy is the second
manufacturing country in Europe**

...TRUE

70%

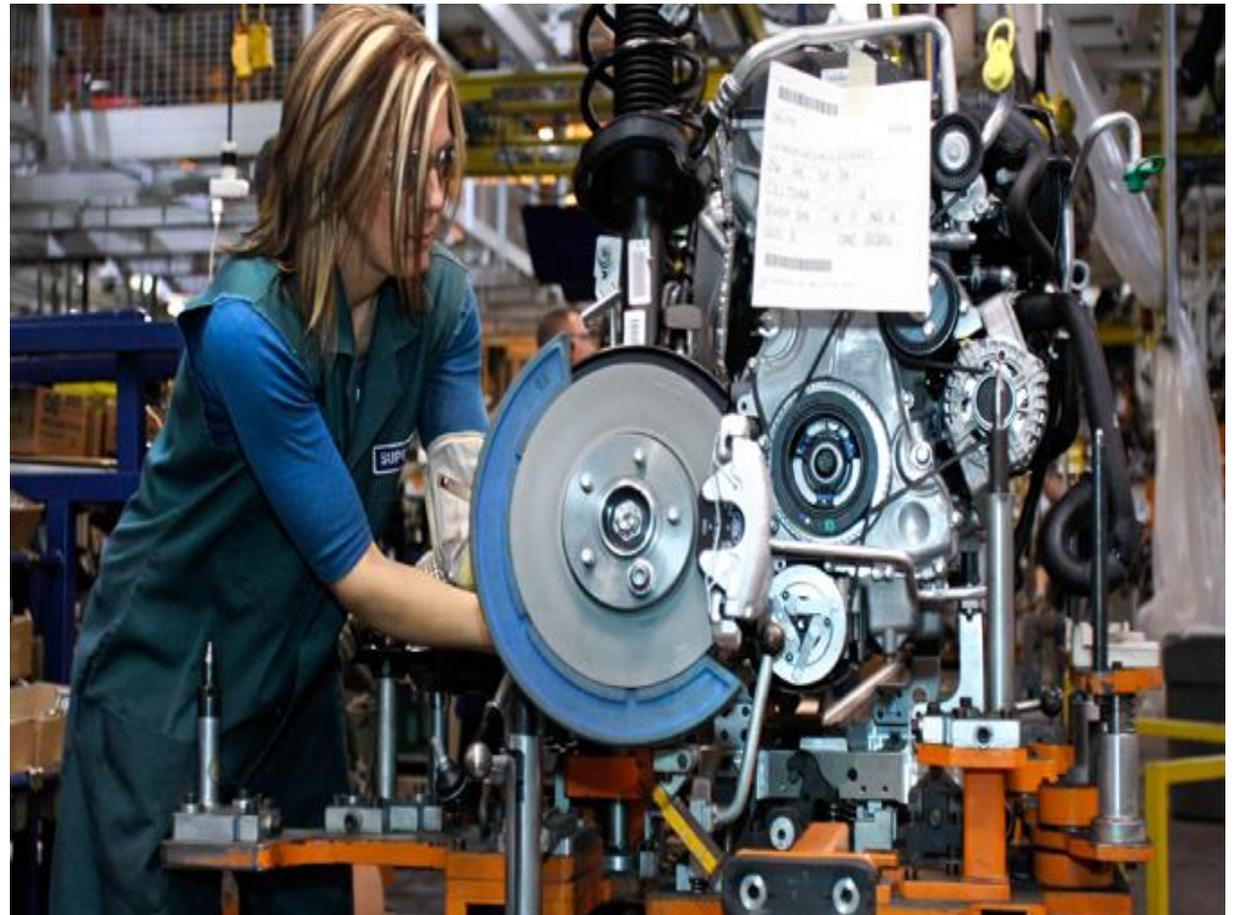
Students actually in Italian secondary school will be hired by Italian manufacturing enterprises

MADE

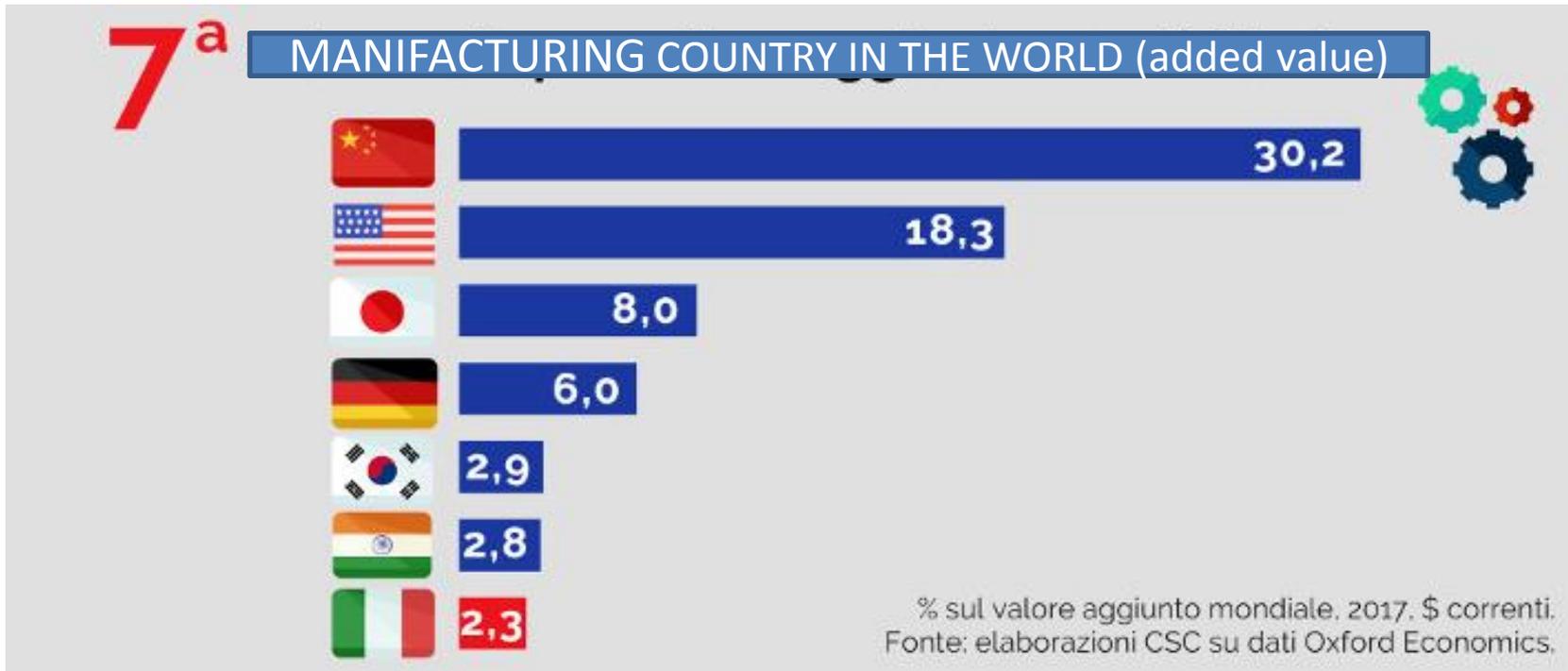
IN ITALY

Italian Industrial Excellences

chemistry
pharmaceutical
robotic
food
engineering
textile
wood-furniture
taps and valves
metallurgic
energy
aerospace



MADE IN ITALY



5° for exports in the world. **Always** on the stage for competitiveness in 935 sectors



SKILLS SHORTAGE

The OECD 2017 report *Getting Skills Right: Italy* highlights the following as areas where Italy is currently suffering a critical shortage of knowledge, skills and abilities:

- clerical
- computers and electronics
- education and training
- Business lawyers and marketing specialists
- engineering, mechanics and technology
- mathematical knowledge.

Manufacturing Needs of skills (2018-2022)

432.000

TOP PROFESSIONAL

37%

Manufacturing Needs of skills (2018-2022)

469.000

MASTERTECH

33%³

Manufacturing Needs of skills (2018-2022)

264.000

SPECIALIZED WORKERS

31%

Manufacturing Needs of skills (2018-2022)

48.000

MECHANICS WORKING SPECIALISTS

40%

Manufacturing Needs of skills (2018-2022)

10.000

LEATHER WORKING SPECIALISTS

42%

MISMATCH

Job demand in Italy in the next 5 years



93,5 mila

nel settore
meccanico



49 mila

nel settore
alimentare



47,5 mila

nel settore
tessile



77 mila

nel settore
ICT



5 mila

nel settore
chimico

**Half of these professionals will be
difficult to find**

24%

STEM: OFFER and DEMAND

85%

135.000

HIGHER EDUCATION (ISCED 6&7): OFFER and DEMAND

175.000

#ILPOSTINFABBRICA (RTL 102.5)



Il Post in Fabbrica

RTL 102.5 - Unimpiego Confindustria

ogni mercoledì
7.45 - 8.15



INVIATE I VOSTRI CURRICULUM A
www.unimpiego.it/ilpostinfabbrica

More than **6mila CV**
in **37** shows:
400 jobs offered 43 hired

INDIAN WORKERS ARE “BENVENUTI”

- Indian workers find good salary in Italy, a very high quality of life, a society that respects their sense of duty and entrepreneurship
- The production of many Italian cheeses, including Parmigiano-Reggiano, Grana Padano, and mozzarella, depends significantly on immigrant labour. Starting in the 1990s, Indians have come to dominate the labour force of the Italian dairy industry in this niche.
- 60% of the workers in the Parmesan industry are Indian

INDIAN WORKERS ARE “BENVENUTI”

- Many Indians began to immigrate to Italy in the early 1990s, when the Italian government launched programs to attract Indian IT professionals and engineers to contribute to the technology sector in Italy.
- Italy in 2017 introduced the EU wide immigration permit (ICT Permit) regulating intra-company transfers of non-EU nationals. The Decree, which entered into force on January 2017, sets out new procedures with the purpose of facilitating the secondment to Italy of managers, highly-skilled workers and trainees.

INDIAN WORKERS ARE “BENVENUTI”

The Italian labor market is open to the excellence of India. the advantage is both for Italian companies that can find the high skills they need, both for the Indian economy: the talents who worked in Italy can, in fact, go back to Indian companies and bring the acquired experience for the benefit of Indian companies.

INDIAN WORKERS ARE “BENVENUTI”

Indeed it is necessary to promote a new integration of talents between India and Europe, passing through Italy. Because Italy cannot only help Indian workers to grow up in a manufacturing environment, but it can help, through its educational system, young Indian students to train towards manufacturing even before obtaining a diploma or a degree

About Manufacturing Italy is not only an excellence for “MADE IN” but also for “EDUCATED IN”

EDUCATED

IN ITALY

INDIAN STUDENTS ARE “BENVENUTI”

The Italian higher education system looks with interest to India. Over the years, important collaboration networks have been created, above all in the fashion and design sector (with the Italian Academies) and medicine (Humanitas University).

Today the number of Indian students enrolled at Italian universities has doubled from 2016 to 2018 (from 1,000 to 2,000 enrolled)

INDIAN STUDENTS ARE “BENVENUTI”

The Italian higher education system, in its most excellent part, is characterized by a close collaboration with the industry and social partners. There are tertiary professional paths (such as ITS, ISCED 5 and 6) that are directly co-designed with businesses and are the same workers who teach. PhD training is very developed in Italy. "Industrial doctorates" are spreading, especially in the STEM disciplines. India is still late on this aspect: only 1.7% colleges run a PhD programmes



Confederation of Indian Industry



सत्यमेव जयते

Department of Science and Technology
Ministry of Science and Technology
Government of India



Italy
Partner Country

DST-CII

INDIA   **ITALY**

Technology Summit

29-30 October 2018 : New Delhi

Indo-Italian Trade Relations

- Italy is India's 5th trading partner in EU
- The thrust areas of India's exports to Italy are textiles, including cotton and synthetic yarns and fabrics, readymade garments, motor vehicles, footwear, iron and steel, leather and leather goods, gems and jewellery
- Principal items of India's imports from Italy are general and special purpose machinery, chemical products, auto components, measuring instruments, iron and steel, pharmaceutical and medicinal products, general hardware, plastic products

Focus Sectors



CLEANTECH



RENEWABLE



ICT



HEALTHCARE



AEROSPACE



EDUCATION



CULTURAL HERITAGE



THE NEED OF TECHNICAL EDUCATION COOPERATION

INVEST YOUR TALENT IN ITALY

- On-the-job training in leading Italian companies, while completing the academic work, provides practical skills for your future career. Scholarships and student support services will aid you throughout your stay in Italy.
- The core of Invest Your Talent In Italy is the partnership between Italy's leading universities and major Italian corporations that have helped tailor courses to meet the requirements of the relevant industry. Thus each programme includes a (3-4 month) period of on-the-job training at leading Italian companies providing you with valuable work experience

INVEST YOUR TALENT IN ITALY

- Postgraduate courses in Engineering, Advanced Technologies, Architecture, Design, Economics and Management at top Italian universities designed in close cooperation with key businesses will boost your job prospects within a competitive landscape. All the lectures and teaching materials are in English.
- **NEXT OPENING (for 2018/2019 edition)
IN DECEMBER, 2018!**
- India is one of the available country for the program



THE NEED OF TECHNICAL EDUCATION COOPERATION BETWEEN INDIA and EU, PASSING FOR ITALY: 4 PRINCIPLES

1. Clear and recognized mismatch and skills gap in manufacturing brakes the industry
2. It's necessary a diffusion of the technical culture and a greater participation of the industry in the educational paths, above all tertiary
3. Italy, as a manufacturing leader in Europe, can give a contribution with its part of education system most linked to enterprises and to employers associations
4. Simplified VISA (i.e. EU Blue Card) and rigorous but fast procedures for the recognition of Indians schools' titles and qualifications are an essential step for a structured cooperation in education

THE NEED OF TECHNICAL EDUCATION COOPERATION BETWEEN INDIA and EU, PASSING FOR ITALY: 4 PRINCIPLES

1. Skills EU-India observatory (present skills shortage / future skills shortage)
2. EU-India Federation of Higher VET
3. EU-India international Apprenticeships programs (starting for example from the 600 Italian companies located in India)
4. EU-India international TECH-Academies (Corporate universities, Cooperative universities, Digital courses – Swayan model)

THANK YOU FOR YOUR ATTENTION

