



04:05 PM | 12 AUG **EOD**  
**MARKET STATS** ▼

SENSEX  
**28,152** ▲ 292.80

NIFTY 50  
**8,672** ▲ 80.00

GOLD (MCX) (Rs/10g.)  
**31,215.0** ▼ -112.0

USD/INR  
**66.89** ▲ 0.05

**CREATE  
PORTFOLIO**

**Download ET  
MARKETS APP**

CHOOSE  
LANGUAGE  
ENG

BUY

## Solar lighting could create 2 million jobs in developing world

PTI | Jul 20, 2016, 04.37 PM IST



While there are about 274 million households worldwide that lack access to electricity, the study focuses on about 112 million households.

WASHINGTON: Switching from fuel-based lighting - such as firewood and kerosene lanterns - to solar-LED systems also create two million potential new jobs in developing countries like India, a first-of-its-kind study has found.

Lawrence Berkeley National Laboratory (Berkeley Lab) researcher Evan Mills conducted the first global analysis of how the transition to solar-LED (light-emitting diode) lighting will impact employment and job

creation.

"People like to talk about making jobs with solar energy, but it's rare that the flip side of the question is asked - how many people will lose jobs who are selling the fuels that solar will replace?" said Mills.

"The good news is, we found that we will see many more jobs created than we lose," he said.

While there are about 274 million households worldwide that lack access to electricity, the study focuses on about 112 million households, largely in Africa and Asia, that cannot afford even a mini solar home system, which might power a fan, a few lights, a phone charger and a small TV.

In countries such as Mali, Niger, Sierra Leone, India, Indonesia, and Kenya, fuel-based lighting is not particularly "job-intensive."

Individual entrepreneurs sell lanterns, wicks, candles, fuel dippers and kerosene in small quantities, often in local markets or on the roadside, but few jobs are created and many are part-time.

Researchers found that fuel-based lighting today provides 150,000 jobs worldwide.

He did a similar analysis for the emerging solar-LED industry and also collected data on employment before for lanterns, candles, wicks, fuel dippers and distribution



### More From Jobs

**Solar lighting could create 2 million jobs in developing world**



**IITs encouraging students to opt for internship from prospective employers to boost job prospects**



**Employment growth has slowed down in last 3 years: Government**



**Your job-search tips from Pokémon Go**



**19 ISB students bag PhD offers from highly ranked foreign universities**



**Aptech banking and finance academy ties-up with Geojit BNP Paribas**



**Outsourcing is passe, it's time to build a smart bot empire**



**On hire: MBA graduates for Rs 10,000 per month**



**Total Rewards: A must for progressive organisations**



Illo Single Lev...  
**\$538.79**

BUY

data on employment rates for larger manufacturers and distributors representing the majority of global production of products quality assured by the World Bank's Lighting Global initiative at the time.

He found that every one million of these lanterns provides an estimated 17,000 jobs. These values include employees of these companies based in developing countries but exclude upstream jobs in primary manufacturing by third parties such as those in factories in China.

Assuming a three-year product life and a target of three lanterns per household, this corresponded to about two million jobs globally, more than compensating for the 150,000 jobs that would be lost in the fuel-based lighting market, researchers said.

They also found that the quality of the jobs would be much improved.

"With fuel-based lighting a lot of these people are involved in the black market and smuggling kerosene over international borders, and child labour is often involved in selling the fuel," Mills said.

"These new solar jobs will be much better jobs - they're legal, healthy and more stable and regular," he said.

The study was published in the journal Energy for Sustainable Development.

READ MORE : [Solar power](#) | [Lighting](#) | [LED](#) | [kerosene](#) | [firewood](#) | [Evan Mills](#)

Comments (11)

Add Your Comments

## NEXT STORY

IITs encouraging students to opt for internship from prospective employers to boost job prospects

5 ways to build rapport as a new employee



India shining, but lure of overseas jobs still hard to resist



Engineering campus hiring may fall first time since 2009: Nasscom



Hiring in FY'17 may be lower: NASSCOM



Government to give Rs 18,000 to PSUs, private companies per apprentice they hire



Monster Employment Index shows growth in online hiring in India



## More from The Economic Times



There was no opportunity for Dalit expression earlier: Pandurangan Ranjith, filmmaker



Gurvinder Singh's Chauthi Koot - a film that portrays terror on screen without showing any violence



Taiwan: The land of tea brewers and drinkers by the gallon

## NEXT STORY

# encouraging students to accept internship from prospective employers to boost job prospects

By Prachi Verma ET Bureau | Aug 09, 2016, 03:55 PM IST



The IITs at Kharagpur, Chennai, Kanpur, Guwahati, Roorkee, Varanasi (Banaras Hindu University) and Hyderabad are part of this overdrive, people aware of the matter said.

NEW DELHI: Most of the Indian Institutes of Technology are encouraging students to accept internship offers from prospective employers, an attempt on part of the elite engineering institutes to minimise the number of students who do not get any job offers by the time of final placements in December. The IITs at Kharagpur, Chennai, Kanpur, Guwahati, Roorkee, Varanasi (Banaras Hindu University) and Hyderabad are part of this overdrive, people aware of the matter said.

Every year, 5-15% students at IITs fail to get any job offers, they said. "Internship is a natural step for all the IITs. This will make room for more students in the final placement season," [Debasis Deb](#), chairman of IIT Kharagpur's [Career Development Centre](#) told ET.

IIT Kharagpur has quite a task on hand as it seeks to place nearly 2,000 students every year.

## The Learning Curve

**IITs at Kharagpur, Chennai, Kanpur, Guwahati, Roorkee, Varanasi, Hyderabad are pushing for pre-placements like never before**

Interest from students is also high as more and more students enrol for internship

Placement through internship ensure higher compatibility between student and company

This also decrease chances of students being left out during final placement

Every year, **5-15%** students at IITs fail to get any job offers

**Students who are left out during final placements are mostly with CGPA of lower than 5**



"If we get 300 PPOs (pre-placement offers) this year, which is almost double of last year's, the pressure on final placement gets reduced," Deb said. It is a challenge for the IITs to place all of their undergraduate, postgraduate and PhD students.

"This is not the problem of one IIT but all the IITs. Students who do not perform that well (with less than 5 CGPA or cumulative grade point average) find almost no takers," said Kaustubha Mohanty, faculty member in charge of placement at IIT Guwahati.

Mohanty said that most IITs are barely able to cross the 80% mark in terms of placing all its students other than undergraduates, including postgraduates,

15  
Comments

dual degree holders and PhDs. "Not a single IIT has 100% success rate in placing all its students," he said.

Apart from students who are low performers (5-10% at each IIT), there are those students who do not opt for placements at all as they take up higher studies or entrepreneurship. NP Padhy, professor in charge of placements at [IIT Roorkee](#) said that the number of students doing internships and getting a PPO is increasing.

"The faith in internship is highest ever from the student fraternity. As an institute we too are ensuring that more and more companies come this year," he said. [IIT Hyderabad](#) is also laying special emphasis on PPOs this year.

"There is a 90 per cent chance that students interning in companies will land a job," said [B Venkatesham](#), faculty member in charge of placement and training cell at IIT Hyderabad. Among the newer IITs, the one in Varanasi is seeing interest from a number of companies. A few companies have handed out PPOs this year compared to none last year.

Most IITs are to begin the PPOs season in a few weeks.

"The action is already very strong this year," said IIT Madras' former placement advisor [Babu Viswanathan](#).

The institute is perhaps taking internship offers for its students most seriously, having recently opened a fullfledged office dedicated to internship. "We are hoping that with more PPOs, the pressure on final placements will reduce," said Viswanathan. Most companies too prefer the internship route, faculty members said.

"Internship is a courtship route for both companies and students before deciding on job offers," said Mohanty. Internship increases chances of getting a job offer manifold compared to the final placement route, according to experts.

"Internship gives sufficient time to examine the compatibility between a company and student. It also gives a comfort factor to students and companies before the examinations kick in," said Rohin Kapoor, director at [Deloitte](#) in India.

READ MORE : [IIT Roorkee](#) | [IIT Hyderabad](#) | [Deloitte](#) | [debasis deb](#) | [Career Development Centre](#) | [Banaras Hindu University](#) | [Babu Viswanathan](#)

Comments (15)

Add Your Comments

---

**NEXT  
STORY** ↓

Employment growth has slowed down in last 3 years: Government

---



The little corporal: Napoleon Bonaparte



Why August 19 is observed as World Photography Day



ET Recommendations: Gadget, game and app

## NEXT STORY

105

# Employment growth has slowed down in last 3 years: Government

PTI | Aug 03, 2016, 03:54 PM IST



As per an information received from the Ministry of Labour and Employment, the job growth has been slow in eight select sectors in the last three years.

NEW DELHI: [Employment](#) growth has shown signs of slowdown in key labour-intensive and export-oriented sectors, despite GDP growth of up to 7.6 per cent in the last three years, Parliament was informed today.

As per an information received from the Ministry of Labour and Employment, the job growth has been slow in eight select sectors in the last three years, Statistics Minister D V [Sadananda Gowda](#) said in a written reply in Lok Sabha.

The Minister was quoting the Quick Quarterly Surveys on Employment and Un-employment conducted by the Labour Bureau.

The GDP growth rate at constant (2011-12) prices for the years 2013-14, 2014-15 and 2015-16 are 6.6 per cent, 7.2 per cent and 7.6 per cent respectively, he informed the House.

In eight sectors like textiles, leather and gems & jewellery, 1.35 lakh [jobs](#) were created in calendar year 2015, which was much lower than 4.21 lakh in 2014 and 4.18 lakh in 2013.

The Minister said the government has taken various steps for generating employment like encouraging private sector of economy, fast tracking various projects involving substantial investment and increasing public expenditure on schemes like Prime Minister's Employment Generation Programme (PMEGP).

He said a Ministry of Skill Development and Entrepreneurship has been established to coordinate the skill activities across all ministries.

In order to improve the employability of youth, around 20 ministries run skill development schemes across 70 sectors.

"Pradhan Mantri Rojgar Protsahan Yojana" has been announced in 2016-17 Budget with the objective of promoting employment generation and an allocation of Rs 1,000 crore has been made, he said.

12

Comments



allocation of Rs 1,000 crore has been made, he said.

The scheme is being implemented by the Labour Ministry. Under the scheme, employers would be provided an incentive for enhancing employment by reimbursement of the 8.33 per cent EPS contribution made by the employer in respect of new employment.

READ MORE : [Sadananda Gowda](#) | [PMEGP](#) | [Jobs](#) | [employment](#)

Comments (12)

Add Your Comments

**NEXT  
STORY** ↓

Your job-search tips from Pokémon Go

More from The Economic Times



Why Majlinda Kelmendi is making headlines



Health effects in Hiroshima, Nagasaki not as bad as feared, says new study



Flautist Hariprasad Chaurasia to perform at an all-night music and dance concert

**NEXT STORY**

38

## Your job-search tips from Pokémon Go

By [Devashish Chakravarty](#) ET Bureau | Aug 01, 2016, 11:04 AM IST



*Like you train your Pokémon at the Gym to sharpen its skills, you too need to train to get the right certifications to be job ready.*

A passive approach may kill you when swift technological changes hit your career or workplace. Instead of losing out, stay on top of the change to score a career win. Here are lessons from Pokémon Go to move ahead.

**Get out and Go:** Pokemon are found outdoors. So, you need to get up, step outside, hatch eggs and advance in the game. Similarly, your new job will never work out if you only sit at home and restrict your efforts to the Internet or social media.

Get out in the real world, put in those miles daily to go and meet people at their workplaces. The more you do, higher the likelihood of finding Pokemon

5

Comments



(potential opportunities).

**Enjoy your play style:** Do you enjoy hunting the rare Articunos or Moltres or prefer to focus on training your [Jigglypuff](#) and Swagger or simply want to stock up Pokedex by capturing as many Pokemon you can? Go ahead and enjoy your style of play . When looking for a job, figure out what you really want from your career. Focus on your preferences and you are likely to land the right job faster.

**Go to PokeStops:** PokeStops are places where you collect and replenish eggs, Poke Balls and other items. Once done, you cannot collect again until it refreshes. Similarly, to find jobs, go where the jobs are. Figure out which companies or sectors are hiring and meet professionals there. Be willing to travel to places where there are jobs that you seek.

**Raise your CP:** Each Pokemon has Combat Power (CP) on capture which indicates how well they will perform in a battle, Note that even two Pikachus captured at the same time may not have the same CP. You can improve CP by enhancing your experience. Similarly improve your hirability vis-a-vis your competition by increasing your experience by working on multiple projects, internships and assignments.

**Meet the players:** Strangers playing Pokemon often chat up at a PokeStop and share tips and information and then team up at gyms to battle opponents. In your job search reach out to professionals. Don't be shy in seeking information on jobs asking how to get connected to people who could help you and for pointers on what you could do better. At the same time, give back by sharing your ideas and knowledge.

**Train at the Gym:** Like you train your Pokemon at the Gym to sharpen its skills, you too need to train to get the right certifications to be job ready. However, to enter a Gym needs you to be at Level 5. Much like the real world where you need to clear all preliminary levels first before you can qualify for the training.

**Use your incense:** Activating an incense in the game releases a mysterious fragrance that attracts Pokemon to you for 30 minutes. It thus makes sense to invest your time to build your incense through a CV that highlights your achievements and transferable skills.

Also, craft your resume separately for each opportunity to keep your incense relevant.

READ MORE : [PokéStop](#) | [Pokémon Go](#) | [Pokémon](#) | [Jigglypuff](#)

Comments (5)

Add Your Comments

---

**NEXT  
STORY** ↓

19 ISB students bag PhD offers from highly ranked foreign universities

---



Rihanna to receive MTV's lifetime achievement award



#BengaluruDiaries: Mamta Sagar, poet & playwright, gets candid about her favourite city



Hrithik Roshan all set to unveil new luxury brand 'Adamantino'

## NEXT STORY

410

# 19 ISB students bag PhD offers from highly ranked foreign universities

By Sreeradha Dasgupta Basu, ET Bureau | Jul 29, 2016, 11:26 AM IST



These include the London Business School, MIT Sloan, Columbia University, Northwestern University, INSEAD (Singapore campus), Bocconi University, University College London, Hong Kong University of Science & Technology and the University of Pennsylvania.

MUMBAI: Nineteen research and academic associates from the [Indian School of Business](#) have bagged offers for PhD programmes from highly ranked universities across the world. This is the highest number of offers in the institute's academic history, beating the average of 12 in the past five years by more than 50%.

This year, ISB students have secured admission to prestigious institutions across the United States, Europe and Southeast Asia.

These include the [London Business School](#), [MIT Sloan](#), Columbia University, Northwestern University, INSEAD (Singapore campus), Bocconi University, University College London, Hong Kong University of Science & Technology and the University of Pennsylvania.

"Research has always been an area of focus for ISB. This is part of our efforts to build a research ecosystem and address the issue of faculty shortage," said Sanjay Kallapur, director of the Fellow Programme in Management at the ISB.

These numbers assume significance especially since the acceptance rate of PhD applicants varies from 3-5% at highly regarded research universities. In the past five years, the ISB has sent more than 55 research associates and academic associates to leading PhD programmes abroad.

The institute has put in place a rigorous process for selecting research associates and academic associates. Many of them come from institutions such as IIMs, IITs, Delhi School of Economics, Indira Gandhi Institute of Development Research, Tata Institute of Social Sciences, BITS Pilani, Indian Statistical Institute and JNU.

7

Comments



Others have earned their postgraduate qualifications overseas from institutions such as University of Cambridge, London School of Economics and Stanford University .They come from diverse professional backgrounds, having worked in companies such as Microsoft and Infosys.

Each researcher works with a faculty member. The Indian School of Business provides funding to research projects for its faculty through research grants.

Its tenure-track system for faculty requires hiring a research associate from premier institutes to assist them in research as well as collaboration with researchers from associate institutions including Kellogg, Wharton, Chicago, INSEAD and UCLA.

READ MORE : [MIT Sloan](#) | [London Business School](#) | [Indian School of Business](#)

Comments (7)

Add Your Comments

#### More from The Economic Times



Want your relationship to last? Maintain your individuality



Old world charm: Taking a walk down Bengaluru's bustling bazaars



Soon, Google-Glass type device to read your brain!

#### Get a Quote

Type Company Name

Get Quote

#### Browse Companies

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#) | [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#)

#### Browse Mutual Funds

[A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)



**PLAN AHEAD, SAVE 15%**

PLUS, EARN 200 BONUS POINTS

**BOOK NOW**

[Live Market](#)

[News](#)

[Portfolio](#)

[Mobile](#)

[Live TV](#)

[Newsletter](#)

[Commodities](#)

[Speed](#)

[QnA](#)

[Blogs](#)

[Alerts](#)

[RSS](#)

#### Other Times Group news sites

[Times of India](#) | [इकनॉमिक टाइम्स](#)

#### Living and entertainment

[Timescity](#) | [iDiva](#) | [Bollywood](#)  
[Zoom](#) | [Luxpresso](#)

#### Hot on the Web

[News – TOI](#) | [Daily Horoscope](#)  
[Weather in Delhi](#) | [Mumbai Map](#)

#### Services

[Book print ads](#) | [Online shopping](#) | [Free Business Listings](#)  
[Matrimonial](#) | [Astrology](#) | [Jobs](#) | [Property](#) | [Buy car](#) | [Bikes in India](#)

