

CENTRE FOR
INNOVATION AND
ENTREPRENEURSHIP

CIE NEWSLETTER



جامعہ ملیہ اسلامیہ
जामिया मिल्लिया इस्लामिया

Jamia Millia Islamia
A Central University

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Editorial



Innovation and Entrepreneurship

Innovation and entrepreneurship is the effort to extend competitive advantage through innovations that significantly alter the balance of competition within an industry or create entirely new industries. It has been variously defined as novelty or wholesale change in patterns of resource deployment, action that strengthens innovation while allowing for increasingly sophisticated management and pursuit of opportunities without regard to resources under current control. When existing businesses provide new goods or services, adjustments in the national economic structure occurs; if successful, such firms grow.

A powerful example of corporate innovation and entrepreneurial culture is Nike. Nike's annual revenue hit \$27.8 billion in 2014. The company's success is grounded in their ability to bring inspiration and innovation to the athlete in every person, Nike has grown from selling running shoes out of the back of a Plymouth Valiant into the world's leading athletic footwear and apparel company. They have done this by continuously looking for new ways to unlock Nike's potential. Innovation is not a program in innovative organizations; it's the fundamental DNA on which such companies are built. Three Indian companies found place in the Forbes 2015 list of the world's 100 most innovative companies.

The '**CIE NEWSLETTER**', a publication of the Centre for Innovation and Entrepreneurship at Jamia Millia Islamia under the leadership and guidance of honorable Vice Chancellor Prof. Talat Ahmad and Honorary Director, Prof. Mini Thomas is an important initiative towards promoting innovation and entrepreneurship at the university level and contributing to India's innovation and entrepreneurship capacity enhancement.

Dr. Yasmeen Shamsi Rizvi

Editor, CIE NEWSLETTER

Assistant Professor, CMS, JMI

Message from the Vice Chancellor



I am glad to know that the Centre for Innovation and Entrepreneurship (CIE) is launching its 1st edition of the Newsletter.

The Newsletter is a forum which could aptly be used for showcasing the efforts and achievements of the CIE team. I am certain that this Newsletter will be very informative and resourceful.

On this occasion, I convey my good wishes to the CIE team for their endeavours.

Prof. Talat Ahmad

**Honourable Vice Chancellor
Jamia Millia Islamia**

Message from the Honorary Director



In the recent times, a lot of emphasis has been on innovation around the globe. The Centre for Innovation and Entrepreneurship in this context is a very important part of the University.

The students who are interested to develop innovative ideas, initially in the form of products and eventually into enterprises, will be given whole hearted encouragement to do so with our support. In addition, the Centre is also working towards Industry Interface, Alumni Interface and Publishing. To inculcate innovation and entrepreneurship culture among students and faculty members, series of workshops and competitions are being planned throughout the year. Motivational lectures and our flagship event, “Innovate for a cause” competition are being conducted. Patent facilitation and other IPR related activities are also being undertaken by the Centre. We have also collaborated with the Design Innovation Centre (DIC) under the University of Delhi and efforts are on for collaboration with National Small Industries Corporation (NSIC), National Skill Development Corporation (NSDC), National Innovation Foundation India -India and National Entrepreneurship Network (NEN).

This Newsletter is a great initiative to spread awareness about the opportunities available at this centre to one and all in the Jamia fraternity and I congratulate the team under Dr. Yasmeen Rizvi for their efforts.

Dr. Mini Shaji Thomas

**Honorary Director
Centre for Innovation and Entrepreneurship
Jamia Millia Islamia**

Who We are and What We do!

Who we are

**“Two roads diverged in a wood, and I—
I took the one less travelled by, And that
has made all the difference “**

These lines by Robert Frost effectively capture the vision behind the Centre for Innovation and Entrepreneurship, Jamia Millia Islamia.

Launched in March 2014 and officially created in October as part of Jamia Millia Islamia, CIE aims to instil and recreate innovative instincts in each one at the university.

Whether it be an innovative product, service or business or an innovative solution to a social problems or even innovations in terms of curriculum and teaching methods used, our objective is to provide valuable assistance and guidance in turning these ideas into reality.

Started by a group of 5 students under the able guidance of Prof. Mini Shaji Thomas, CIE’s genesis is in itself a living example of choosing the “road less travelled” to “make a difference”

In a short span of one year CIE has attained remarkable progress with several events to its credit.



What we do

We give direction to the creative ideas of students, staff and faculty of Jamia. We invite ideas and then provide assistance to incubate these and implement them successfully.

The Centre has the following four divisions:

1. Incubation and Entrepreneurship
2. Innovation and Technology Management
3. Consultancy and Industry Interface
4. Capacity Building and Publishing

We seek to develop job creators and not job seekers by developing entrepreneurship skills of students. We also provide interaction with industry experts and major innovators, to share and to give vent to the creative ideas of students by way of workshops, seminars and talks.

The Centre on a regular basis conducts Idea Evaluation Workshops, Business Plan competitions, Business Idea Competitions, which in a way test the feasibility of the creative ideas of the students.

All this is aimed at inculcating out of the box thinking and Leadership skills in the Jamia fraternity.



Students Compete to “INNOVATE FOR A CAUSE!”

In its luminous journey that winds through one start-up, two patents, a summer internship programme and several workshops and lectures, a prominent milestone for CIE is most definitely its flagship event- “Innovate for a Cause”.

Held in February – March 2015, the competition received an overwhelming response with more than 20 entries from across the university. The contestant pool was diverse with representation from engineering, architecture, management studies, social studies, economics and other departments.

The Participating teams had to submit a unique idea to solve a social problem. These ideas could pertain to education, poverty, healthcare, excessive urbanisation, digitalisation of villages or any other issue plaguing society.

The competition comprised of 2 rounds where in the final round, 8 shortlisted teams presented their ideas to a panel of judges followed by a question-answer session.

The panel of consisted of Mr. Sumit Dagar (Ted Fellow and founder of Kriyate, a mobile app for the blind), Mr. Upendra Giri, (founder of ACOE Global) and Mr. Sherfur Rahman (Co-Founder of the e-commerce company Shopatplaces.com.)

The esteemed judges evaluated the ideas for their social value, the expected results, their feasibility and originality and finally presentation skills of the teams. The competition brought to the fore some very innovative ideas that could contribute immensely to address social issues. The ideas

ranged from improved cycle rickshaws, social reality shows, improvement in sanitation to education tools.

The first prize was awarded to the team ‘Eat-Creative’ who proposed a new cooking pot (Handi), with composite material to improve the efficiency, enhance the strength and promote healthier cooking.

The second prize was given to ‘Sani-Tech’ a new and innovative toilet design using material suited for a geographical region with an improved sewage disposal system, reducing water pollution.

The multi-purpose rickshaw, ‘Innomech - with better ergonomics’ won the third prize.

Commenting on the event, Mr. Giri said “CIE is a great initiative for enabling education that is more applied and aligned to solve the common problems of the people of India . It can become an impetus to contribute to the Make In India Initiative by the Indian Government. Being an alumni of Jamia and a part of the jury, I feel proud to be associated with this initiative. We saw some great ideas and presentation from the students today at the competition.”

Apart from the prize money worth Rs.40000 for the winners, the ideas generated from the competition

will be patented, prototyped and tested by CIE, for commercial viability.



In its luminous journey that winds through one startup , two patents, a summer internship programme and several workshops and lectures, a prominent milestone for CIE is most definitely its flagship event- “Innovate for a Cause” .



Winners of Centre for Innovation and Entrepreneurship (CIE), Jamia Millia Islamia's "Innovate for a Cause"

The winners of the event. Photo courtesy : Jamia Journal

Three Day Event on Business Opportunities Held in October 2014

CIE in collaboration with the e-club of Jamia organized a **business idea competition on October 30, 2014**, at the Nelson Mandela Centre for Peace and Conflict Resolution, Jamia Millia Islamia. Numerous teams presented their entrepreneurial ideas to a panel of judges. **The competition was preceded by a talk by Ms. Kalpana Sinha** who is a former Senior Consultant at the National Entrepreneurship Network (NEN). She gave a presentation on Business opportunities arising out of the biotechnology sector. **The competition was followed by a workshop on “New Business Opportunities”** at the NSIC office.

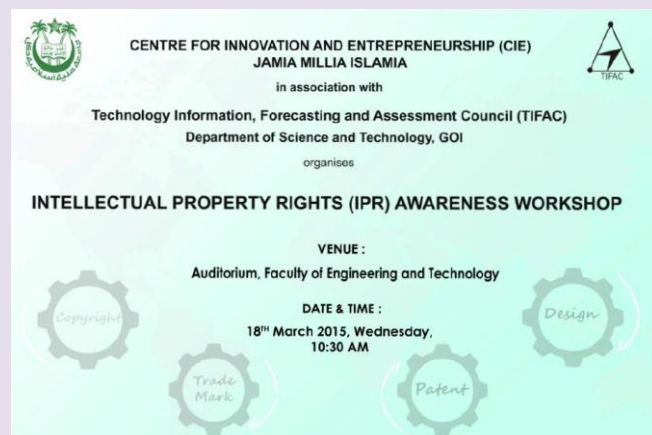


IPR Awareness Workshop Held in Association with TIFAC, Delhi

To facilitate and introduce the process of patenting and other intellectual property related issues, a day-long Intellectual Property Rights (IPR) Awareness Workshop was organized in March 2014 by the Centre in association with TIFAC, New Delhi (Technology Information, Forecasting and Assessment Council). Prof. Prabhat Ranjan, Executive Director, TIFAC

gave the keynote address for the workshop. Mr Yashwant Dev Panwar and Ms. Dipti from the Patent Facilitation Centre, TIFAC enlightened the audience on the patenting process, what can be patented, the free services offered by PFC

Attorney also addressed the audience and briefed about issues related to Copyright Management in Academic Institutes.



Session on Innovation and Entrepreneurship, Keynote Address by Dr. Anil Wali

The Faculty of Engineering & Technology, Jamia Millia Islamia organized a session on “Innovations and Entrepreneurship” on March 6, 2014 in its auditorium. Dr. Anil Wali, Director, Foundation for Innovation and Technology Transfer (FIIT), Indian Institute of Technology, Delhi had addressed the gathering in his Keynote Address on “University Innovation: A Growth Barometer”. Mr Ravi Khanna, Vice president of C&S Electric was the Guest of Honor for the event. He shared his experiences as an entrepreneur and his journey from the time he started off the company from a small garage in the late 60's after a B Tech from IIT Madras. Prof. S.M. Sajid, Vice-Chancellor, Jamia Millia Islamia had presided over the programme.

Gusto- A Step Towards The Future by JMI Students

Technology brings excitement in our lives, helps look into the future, and makes us brave enough to try to shape it. When used in the right way, technology gives us the power to make a difference in our lives and in those of others. Gusto is a perfect example of the same.

“GUSTO”, a low wind energy capturing micro turbine, was the result of a creative collaboration of third year B.tech students of Jamia Millia Islamia and Delhi Technical University. They made their universities proud by bagging the second prize for their innovation from amongst 40 projects that were displayed at Gridtech 2015, held at Pragati Maidan, New Delhi from 8th-10th April 2015.

The result of a creative collaboration between third year B.tech students of Jamia Millia Islamia and Delhi Technical University, “GUSTO” is a low wind energy capturing micro turbine.

It was displayed at the Students Innovation Pavilion of the 5th international exhibition and Conference, Gridtech 2015. Organised by Powergrid Corporation of India (PGCIL)

with the support of Ministry of Power, the exhibition saw entries from over 5000 institutions including IITs and NITs.

Gusto made it to the 40 shortlisted entries that were displayed at the event and proved itself to be a step towards the future by bagging the SECOND PRIZE at the exhibition.

The team behind Gusto comprised of Raghav Gupta and Garima Garg from JMI and Rohin Malhotra, Sajal Garg and Lohit Gudivada from DTU. Their mentor was Prof. Mini S. Thomas, Director, CIE, JMI.

Talking about their invention, Raghav Gupta explained “Gusto was mechanically and

electrically designed and fabricated in-house in the college labs. Its key features include flexible



blades, gearless function, zero noise, low cost, etc., making it a desirable source of energy. Gusto has promising applications too - in telecom towers, urban environment, \off-grid applications and the like”

Held from 8th to 10th April 2015 at Pragati Maidan, the theme at Gridtech 2015 was “New technologies in Transmission, Distribution, Renewable Energy Integration, Smart Grid, Communication.”

The exhibition was aimed at providing an opportunity for all companies to showcase their expertise and technological knowhow in various domains of the power sector in order to create awareness and appreciation for the same and for the overall benefit of public sector in addition to helping companies identify business opportunities in the electricity market in India and abroad.



Mr. Sunil Parekh Enlightens Students on “Integrating Innovation in Our Lives”

Mr. Sunil R. Parekh, Advisor, Zydus Cadilla and Founder Curator, World Economic Forum, Geneva, delivered a Lecture on “Integrating Innovation in our Lives” which was organized by the Centre for Innovation and Entrepreneurship (CIE) on November 10, 2014 in the auditorium of Faculty of Engineering and Technology, Jamia Millia Islamia.

The idea was to motivate students and make innovation a part of everyday life. Mr Parekh started off by talking about the contribution of youth to the innovation landscape and entrepreneurship and how technology plays a crucial role for bettering the economic state of a country.



After that he elaborated on the role of innovation and the technological position of India on the global map. He quoted **“You don’t have to be intelligent in order to be creative”**. He gave an over view of myriad fields where Innovation could be applied. He then moved on to give some practical examples of innovative products across the world. The attendees of the talk were spellbound by Mr Parekh’s ideas and viewpoints.



Professor Saifur Rahman Delivers a Lecture on “Partnership for Innovation: Addressing a Complex Problem”

Professor Saifur Rahman, founding director of the Advanced Research Institute at Virginia Tech (USA) delivered a lecture on “Partnership for Innovation: Addressing a Complex Problem”. He stressed upon the importance of research and development of products using open source development boards available in the market namely Pandaboard, Beagleboard, Raspberry pi etc. Being an open source, Raspberry Pi has become the most favourite choice for researchers and engineers to make devices for labs.



The students learnt a lot about various options using which they can develop real time embedded products to run various home appliances for fun as well as educational purpose.

To conclude, the students and faculty members of CIE believe that college scores are important, but it is your skill, practical approach, awareness creativity and innovation that gives you an extra edge over others and in order to develop the same the centre conducts such workshops.



Jamia adds another First to its Academic Profile with an “Exhibition of Innovators”

Prof. Talat Ahmad, Vice-Chancellor, Jamia Millia Islamia inaugurated an “Exhibition of Innovators” in the Polytechnic Park on Jan. 28, 2015 that was organized to encourage students and faculty to think on innovative lines for creation of innovative products that could be used by people at large. This exhibition strengthens the resolve of the academic leadership to raise the bar in respect of teaching and research yielding constructive models for the growth of the nation.

Referring to scientific and technological innovations that have positively impacted lives of people, Prof. Ahmad observed that students and faculty should think innovatively to create products and services that could improve the quality of human life.

Interacting with the innovators and students, the Vice Chancellor observed that many more exhibitions would be organized in near future to promote grassroots innovation.

This one-day event was organized by the Outreach Programme, Jamia Millia Islamia in collaboration with the Centre for Innovation and Entrepreneurship

The exhibitors who displayed their exhibits were Jamia’s students and alumni and other young innovators such as Crazy Bruno, Doctoral.com Schneider Electric, REES-52 and Ecosense. The innovations on display were linked to Health Care (for remote and far-flung areas in the county that have no access to healthcare), Robotics, Solar Energy, Integrated Smart Cities and 24 x 7 Meals on Wheels.

The objective of the exhibition was to showcase innovations of students and researchers and also to encourage their interaction with the entrepreneurs to give fillip to innovative experiments and thinking. A large number of students and teachers could be seen visiting the stalls to look at the exhibits and interact with the innovators on a bright sunny day.

This one-day event was organized by the Outreach Programme, Jamia Millia Islamia in collaboration with the Centre for Innovation and Entrepreneurship led by Prof. Mini Thomas from the Faculty of Engineering and Technology.



Maiden Summer Internship Programme for Innovation and Entrepreneurship

Jamia's Centre for Innovation and Entrepreneurship (CIE) lunched its maiden Summer Internship Programme on 5th June, 2015. This programme is to inspire and enable students to explore their creativity in a friendly and competitive atmosphere to learn technical skills, teamwork and leadership. The main objectives of the CIE clubs are to inculcate creativity and innovations among the students, make them aware of the unfulfilled needs of the society and enable them to participate in National & International Competitions. The Innovation Clubs which are being formed are Embedded Systems & Robotics Club, Animation & Game Design Club, Programming Club, Biotech Club, Business Club and Product Development Club. This initiative is part of the collaboration between CIE JMI and University of Delhi, under the Design Innovation Initiative of the Ministry of Human Resource Development, Government of India.

Inaugurating the Summer Internship Programme 26th June, 2015, Prof. Talat Ahmad, Vice-Chancellor, Jamia Millia Islamia expressed his happiness at the launch of the internship programme and hoped that the participants will develop innovate strategies and products for the betterment of the society.

The Honorary Director of CIE Prof. Mini S. Thomas informed the gathering that the Centre got an overwhelming response from the students and received around 160

applications which were shortlisted by panel of experts. Out of 160 applicants, 55 were shortlisted for interview. The personal interviews were held on 17th – 18th June, 2015 by experts panels for each club and finally 26 students were selected for the Summer Internship. The interns have paid Rs. 5,000/- and a certificate on successful completion of the Internship.



Dr. Ritesh Malik, Angel Investor who developed the Alive App by Times of India, gave the theme talk on the occasion and motivated the young interns to pursue their dreams. He also discussed their project proposals in detail and wished them good luck.

The Summer Internship was a huge success with new prototypes developed and many innovative ideas generated. New bonding between students of different faculties was the highlight of the Summer Internship.

Turning Start-ups into Success Stories

You have the perfect business idea. You can't believe no one has thought of it before! Or, if someone has, he or she doesn't have your vision, skills or passion. You are convinced this new business is the key to your successful future. Now what?



Start-ups are literally a journey into the unknown and you as an entrepreneur need to be comfortable with

taking on ambiguity, uncertainty and multiple challenges. It takes more than a good idea to succeed. It takes drive, determination and tenacity. Unfortunately, on average, 9 out of 10 start-ups will go out of business. The odds are stacked against you, and it's one tough lesson after another to be learned.

However, impossible is nothing. All it takes is keeping some important things in mind and you too, can join the league with thousands of start-ups which became success stories.

Do You Have a Vision?



Every founder of a start-up needs a well-defined vision which will help him reach the finish line.

It will be a major force in his success and act as a compass in testing times. Envisioning the future is the first step any new start-up needs to take.

Believe

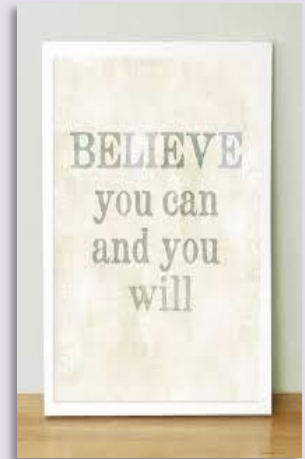
This is the second step. You know your vision better than anyone else, and if you lose sight of

it, the world will too. There could be many people who may advise you to do something else, but if you believe in your product and believe in yourself, give it your all, it will eventually payoff.

Need for Speed

Getting things done quickly is one of the reasons start-ups are able to reach their goals. It makes a difference if you launch on time or can deliver faster than your competitor.

After all, the most productive people are those who make the most of their time.



No Experience ? No Problem, but Have a Plan



Before you put down your investment, sit down and determine how much money you need (and for

what), your goals (short-term and long-term), your marketing plan and all those pesky details. Developing a formal business plan will help you answer questions you may not even have thought of yet. It is also required to approach potential investors.

Market Research

Understanding your customer's needs and desires and analysing prevalent business trends is important before the launch of any new business. A thorough understanding of the

The Team Behind it All !

Honorary Director

Dr. Mini Shaji. Thomas

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Technology	Intellectual Property Rights Prof. Shafeeque Ansari
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Special thanks to Mohd. Ali, Personal Assistant, CIE

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“Learning and innovation go hand in hand. The arrogance of success is that you think what you did yesterday will be sufficient for tomorrow”

-William Pollard

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