



PLACEMENT BROCHURE 2017-18

**Department of Computer Engineering
Faculty of Engineering & Technology, Jamia Millia Islamia**



ABOUT DEPARTMENT OF COMPUTER ENGINEERING

The Department of Computer Engineering was started in the year 2000. Initial years of the department were turbulent as the department faced a unique problem of high attrition rate. But since then the department has kept on evolving itself and now has become one of the leading departments at the Faculty of Engineering & Technology.

The Department has been working towards placements of its students very diligently. We were fortunate enough to get an accreditation from TCS. With the visit of other companies, most of the students of the department have got placed. Companies like TCS, HCL, HP, Adobe, Arricent, Accenture, BirlaSoft, NewGen etc have visited the department for campus selection in the past few years.

The Department also runs the Ph. D. program successfully, under which a number of research scholars are working in the fields of Networking, Data Mining, and Artificial Intelligence etc. The Department of Computer Engg is also an institutional member of the Computer Society of India, and had opened a students' chapter which successfully conducts an annual cultural cum technical fest 'AlgoRhythm' and various other events throughout the year. We also have a Linux user group here at the department which is also actively making efforts to improve the students' skills in the field of Linux.

Course Intake

B. Tech Computer Engineering 70 Seats

B.E. Computer Engineering, Evening Program 70 Seats

New Postgraduate Programs – The Department is looking forward to start a Masters program and have collaborative research with industry on joint projects along with making constant efforts to improve the quality of placements to the students. We have also been approached by leading companies like Adobe, for collaborative projects. The modalities are being worked out.



MESSAGE FROM THE TRAINING & PLACEMENT CELL

The name “Jamia Millia Islamia” is a legend in itself and certainly does not need an introduction. It is a legacy that every student proudly inherits. Its transition from a noble initiative back in 1920 to one of the premiere universities of the nation is a matter of great pride and a catalyst for our students to do the best it can be.

The Faculty of Engineering and Technology, Jamia Millia Islamia (FET-JMI) was established in 1985 in an endeavour to cater to the technological needs of the nation. From a humble but ambitious beginning to this day, this faculty has been producing highly talented individuals who have proved their technological mettle in the industry and still continue to do so.

The Faculty is constantly directed towards making the latest technology available to the students as they endeavour to realize their innovative ideas. As per the recent rankings by MHRD's NIRF, we have been ranked the 20th best engineering institute in India and the university has been ranked the 6th best Central University. Moreover, our students have been participating in national as well as international competitions and winning laurels to the university as well as to the nation. The Training and Placement Cell is dedicated towards the betterment of students by presenting as many opportunities to the students as possible. The alumni of FET-JMI are interspersed in multiple private and public organizations across the globe and continue to alter the shape of the industry by their technological expertise and sheer determination.

It is hereby a matter of great pleasure to be able to extend to your esteemed organization a cordial invitation to participate in the Campus Recruitment Programme of the Faculty of Engineering and Technology – Jamia Millia Islamia. With an increasing thrust being placed on Institute-Industry Interaction, it is my sincere belief that your esteemed organization and FET-JMI stand to gain immensely from this symbiotic relationship.



Academic Rigour

- Selection criteria according to JEE norms ensures selectivity
- Strict theoretical and practical regime for four years
- Trainings and Internships to identify industry workflow
- Participation and wins in national and inter-national competitions

Infrastructural Superiority

- Air-Conditioned classrooms equipped with projectors
- Best and first-in-the-country laboratories like Apple Lab, Sun Microsystems Lab, Deep Learning Lab
- CIE Incubator that aids student startups
- M.A.K. Pataudi Sports Complex for indoor and outdoor sports

WHY RECRUIT US?

Exposure & Excellence

- Various societies and collaborations to provide a platform to student activities
- Broadened perspective and holistic development due to university crowd exposure
- National and Inter-national exposure, well utilized.
- Students outperform the supposed best

Cultural Inheritance

- Students inherit the vision of JMI's founding fathers and the cultural value that upholds the nation.
- Discipline and dedication above all else
- Students not only inherit but also add value to this legacy
- There are no short-cuts to success, but success is never unreachable



✓ ACADEMIC RIGOUR

The selections to the B. Tech. programme in JMI are now made in accordance with the cut-offs in the Joint Entrance Exam (JEE). The cut-offs are relatively high and ensure that the best minds get together.

Previously, the JMI Engineering Entrance Exam was an independent test in which more than 70000 students competed for nearly 350 seats.

COURSE STRUCTURE

YEAR – 1

- Chemistry
- Physics
- English
- Mathematics
- Social Science
- Engineering Mechanics
- Basics of Electronics
- Fundamentals of Computing
- Thermodynamics
- Basics of Electrical Engineering
- Elements of Civil Engineering

LABS

- Physics Lab
- Chemistry Lab
- Engineering Graphics Lab
- Workshop Practice
- Engineering Mechanics Lab
- Civil Engineering Lab

YEAR – 2

- Data Structure & Algorithms
- Discrete Mathematics
- Operating Systems
- Digital Logic Theory
- Computer Organization
- Electronic Devices & Applications
- Signals & Systems
- Digital & Analog Communication
- Fundamentals of IT
- Engineering Mathematics
- NACP
- System Software

LABS

- C Programming Lab
- Electronic Devices Lab
- Digital Logic Lab
- Linux Lab
- Data Structures Lab
- System Software Lab
- Advance C Lab

YEAR – 3

- Computer Architecture
- Automata Theory
- Computer Networks
- Data Base Systems
- Microprocessors
- Operating Systems
- Computer Graphics
- Software Engineering
- Object Oriented Programming
- Analysis & Design of Algorithms
- Parallel & Distributed Systems
- Language Processors

LABS

- Advanced Data Structures Lab
- DBMS Lab
- Operating Systems Lab
- Microprocessors Lab
- Computer Networks Lab
- Object Oriented Programming Lab
- Linux Utility Lab

YEAR – 4

- Internet Fundamentals – Elective
- Management Science
- Language Processor
- Mobile Communication – Elective
- Data Mining – Elective
- Embedded Systems – Elective
- Artificial Intelligence – Elective
- Software Project Management
- Distributed Processing – Elective
- Network Security – Elective
- Soft Computing Techniques – Elective
- Web Mining – Elective

LABS

- Computer Graphics Lab
- Compiler Design Lab
- Minor Project
- Software Project Management Lab
- Major Project

TRAININGS AND INTERNSHIPS

- The students take up various technical trainings and internships with different organizations (both private and public) so as to enhance their skills and to have a first-hand experience in the industry.
 - Some of these organizations include –
 - Amazon.com Inc.
 - IIT – Patna
 - IIIT – Delhi
 - SpringBoard
 - Blue Sapling
 - Study Marvel
 - BNS Tech.
 - KetchApp
 - Adcount Tech.
 - Coding Ninjas
 - Multivirt India
 - CIE - JMI
 - MixORG
 - The students are also actively involved in online coding competitions on platforms like CodeChef, Codeforces, HackerRank, TopCoder, SPOJ etc. to hone their skills.



OUTSTANDING ACHIEVEMENTS

- **ACM ICPC** – Students were India Finalists
- **SMART INDIA HACKATHON** – Three teams made it to the top 8. One winner and one runner-up.
- **DELOITTE AWARD** – The students were awarded the Deloitte award for innovation
- **ENACTUS** – National winners of the Rookie League

- **IncubateX HACKATHON** – Students won the third prize at this Hackathon
- **MAGICBRICKS HACKATHON** – The students were awarded for presenting the most innovative idea
- **FINANCIAL HACKATHON** – Second position at Consilium Fest at NSIT Delhi.
- **HackBPIT** – Winners of this Hackathon

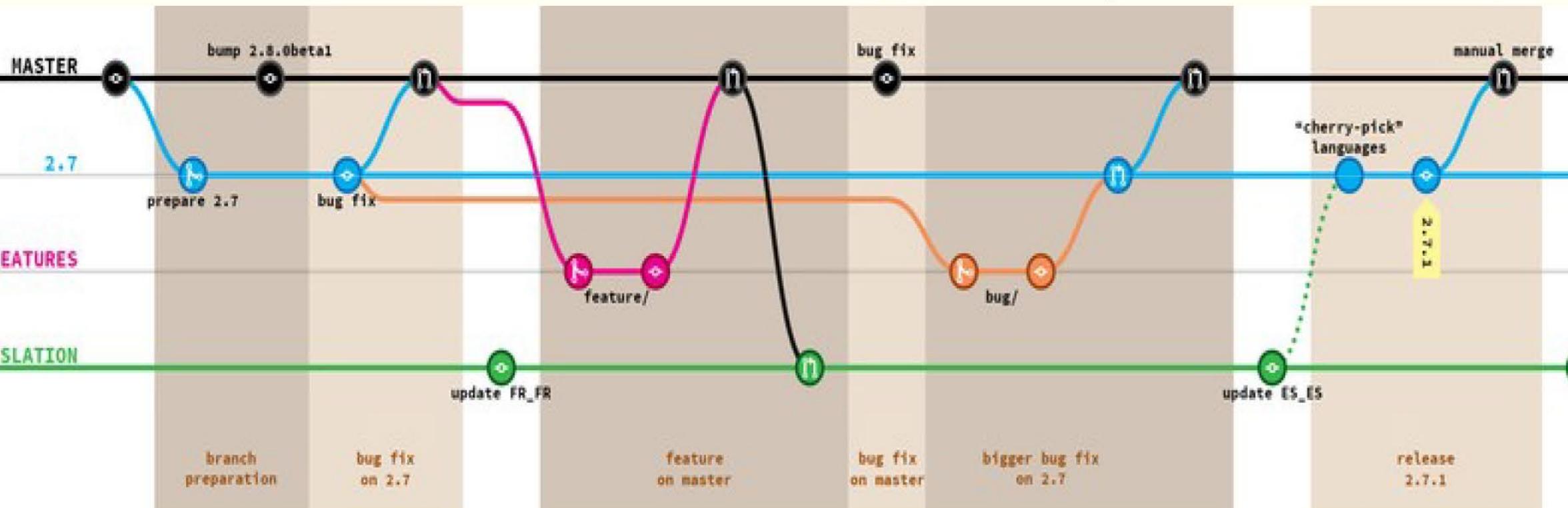


OPEN SOURCE CONTRIBUTION

The fraternity of computer engineers from Jamia Millia Islamia comprises a huge number of Authors, Owners, Maintainers, Contributors and Community Members.

Some of the important products which they have contributed to are as follows –

- Apache
- Amahi
- OpenMFHoneypot
- Microsoft Powershell
- NuGet Package Explorer
- DjangoGirls Tutorial
- Socratic MathSteps
- Microsoft UWP
- Facebook React
- NodeJS
- ShellJS
- FreeCodeCamp
- Leaflet
- JetBrains Kotlin website



RESEARCH WORK UNDERTAKEN

Research projects can be used to further a student's research prowess to prepare them for future jobs or reports. Students here are actively involved in research projects and have also published papers in prominent journals.

Here are a few examples:

- **NumPy implementation of Batch Normalization and Batch Renormalization** acknowledged by Andrej Karpathy at **Stanford University**.
- **Breaking an Image encryption scheme based on chaotic synchronization problem**
- **Automation of MeSH annotation of medicine-related research papers**
- **Breaking Hyper-chaotic System Approach to Image Encryption.**
- **Data Regression Model Generation and Analysis for a hypothetical "smart" hypermarket.**
- **A Contemporary Image Encryption Approach Pertinent to Particle Swarm Optimization**
- **Deep Learning for cancer genomics**
- **Shortest Path Algorithms for Social Network Strengths**



✓ INFRASTRUCTURAL SUPERIORITY

Jamia Millia Islamia boasts of a huge and equally well-equipped campus that provides its students all the state-of-the-art facilities that they need for academics as well as co-curricular activities.

FET-JMI boasts of several such laboratories that can facilitate world class research. Till date, only a select few colleges have such laboratories.

INFRASTRUCTURE



- ✓ BASKETBALL COURT
- ✓ LAWN TENNIS COURT
- ✓ CRICKET STADIUM
- ✓ LUSH GREEN CAMPUS



Mansoor Ali Khan Pataudi Sports Complex

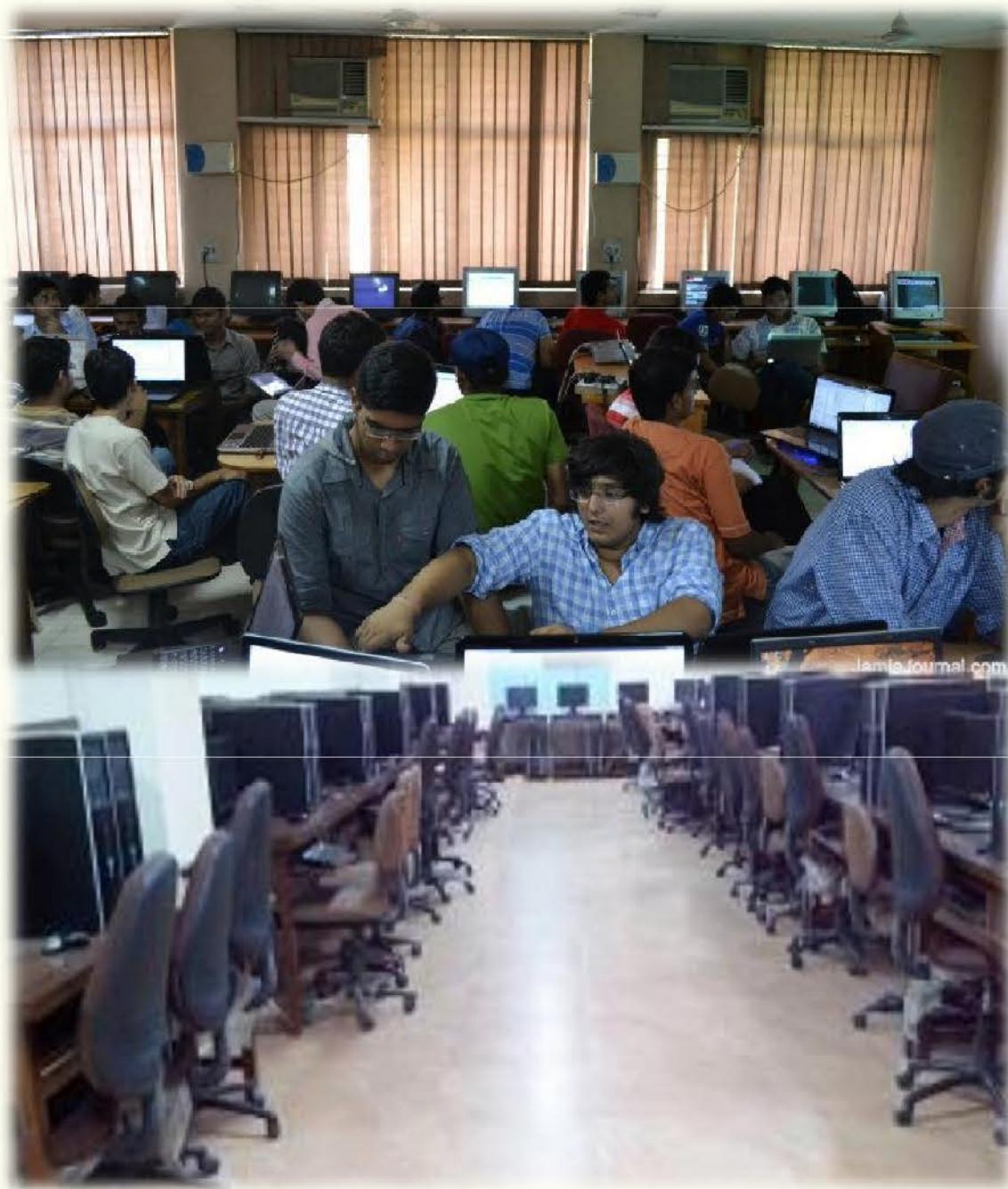


GW

INFRASTRUCTURE



- ✓ AIR-CONDITIONED CLASSROOMS WITH PROJECTORS
- ✓ SOFTWARE PROGRAMMING LAB
- ✓ APPLE LAB
- ✓ SUN MICROSYSTEMS LAB
- ✓ COMPUTER CENTRE





✓ EXPOSURE AND EXCELLENCE

Being centrally located, Jamia Millia Islamia has a host of great environments to get involved in and a great number of collaborations that helps students realize that there's an entire world of opportunities that runs in synchronization with college.

EXPOSURE

- Jamia is centrally located in the National Capital and provides unfathomable opportunities and exposure to a wide variety of groups, societies and meets which are an enriching experience
- The faculty itself has student chapters of renowned national and inter-national educational societies. Some of these chapters include –
 - Computer Society of India (CSI)
 - IEEE
 - American Society of Civil Engineers (ASCE)
 - Robotics Society of India (RSI)
 - Indian Society for Technical Education (ISTE)
- Seminars, guest lectures and talks are conducted on a regular basis by these societies and eventually lead to a greater know-how of things beyond college

EXCELLENCE

All societies and chapters would be vain if they could not give a student the courage, confidence and zeal of competing on larger scales and chasing victory with more than just an intent.

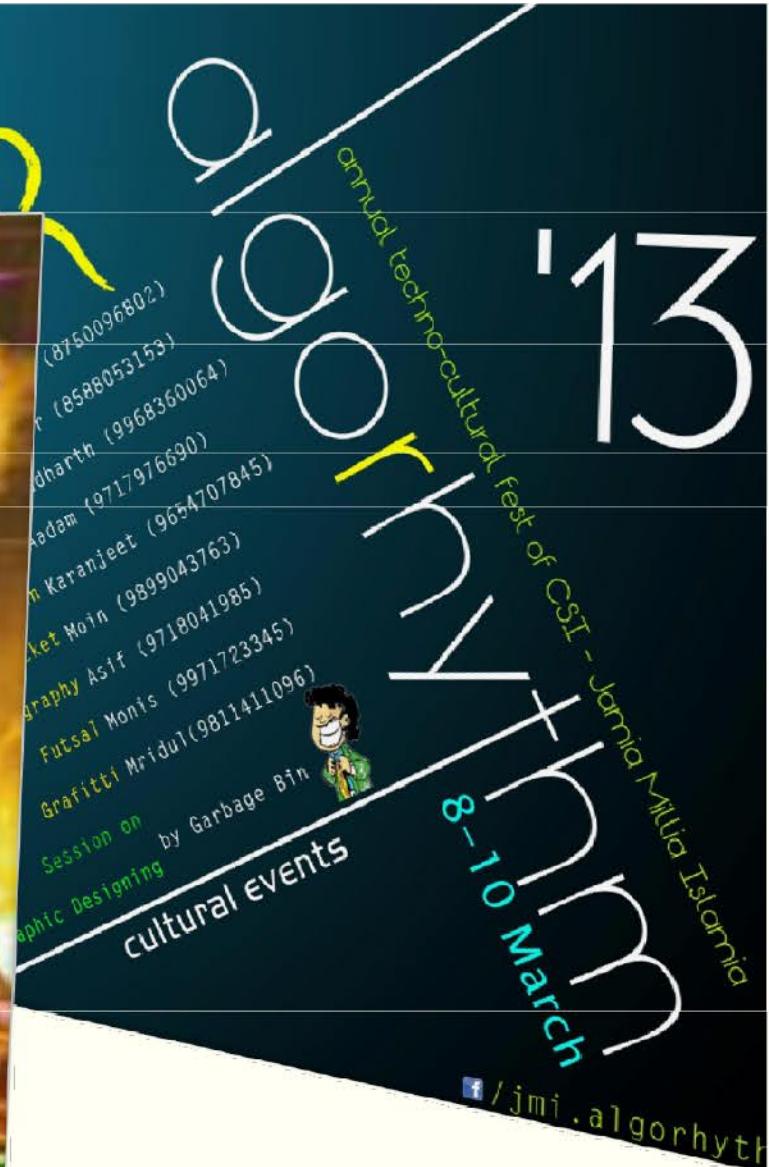
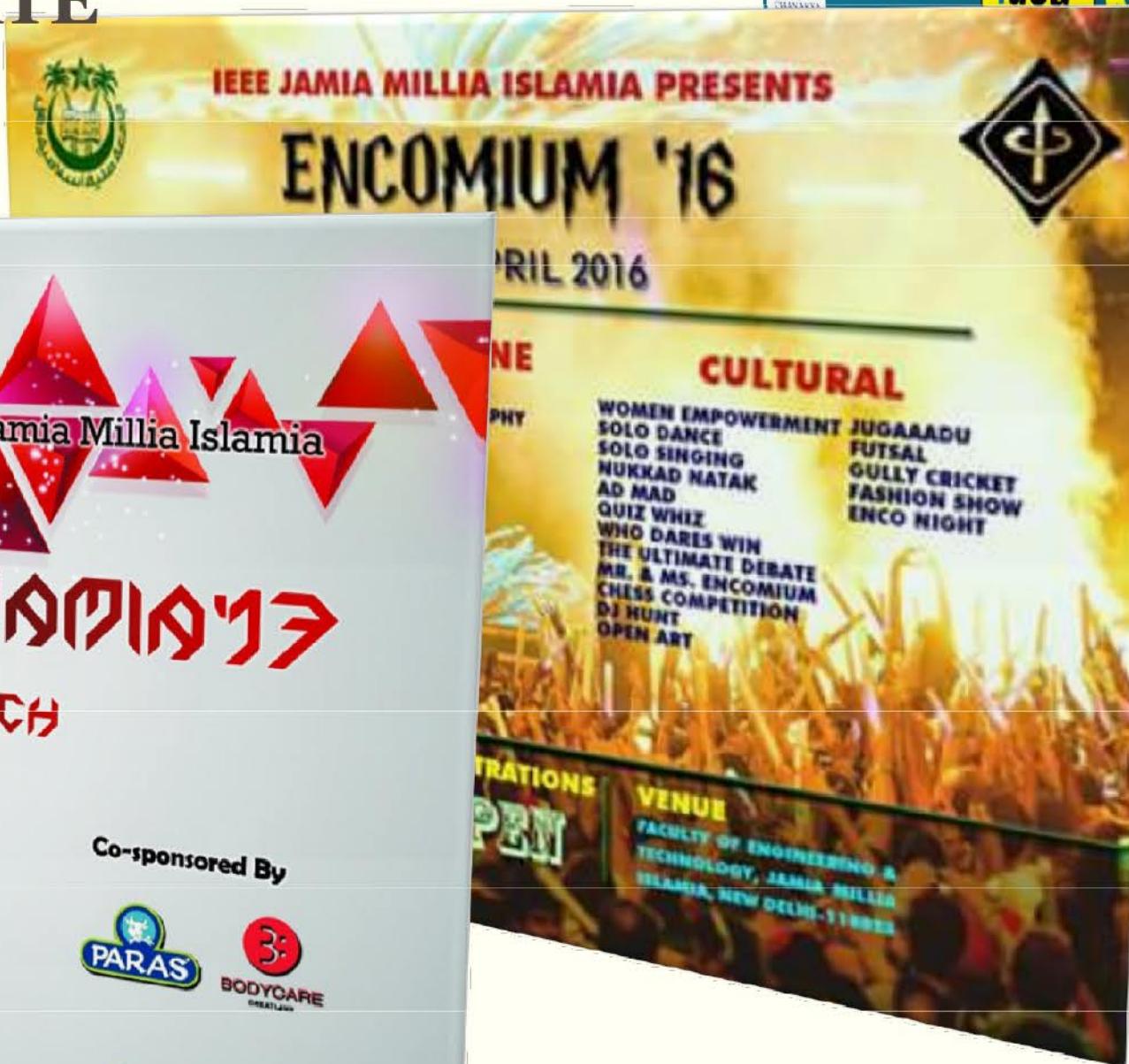




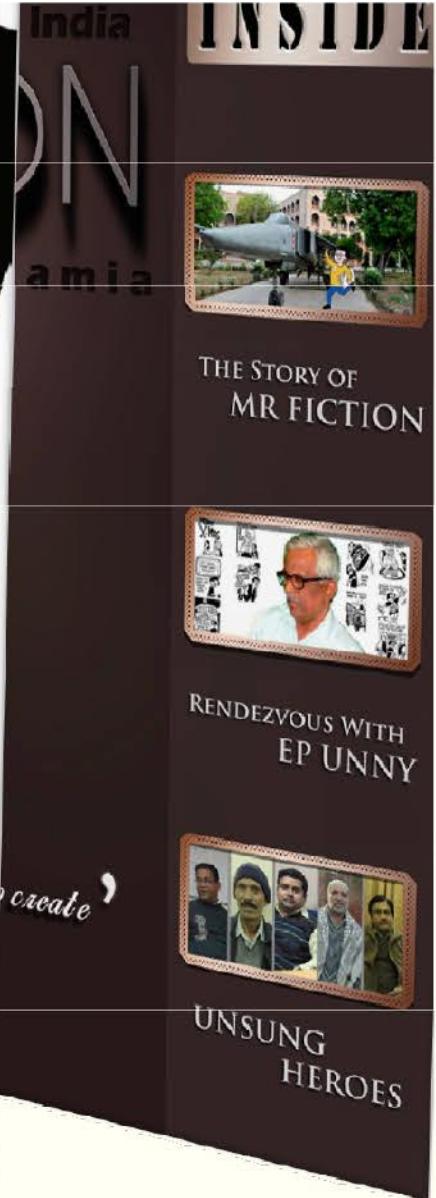
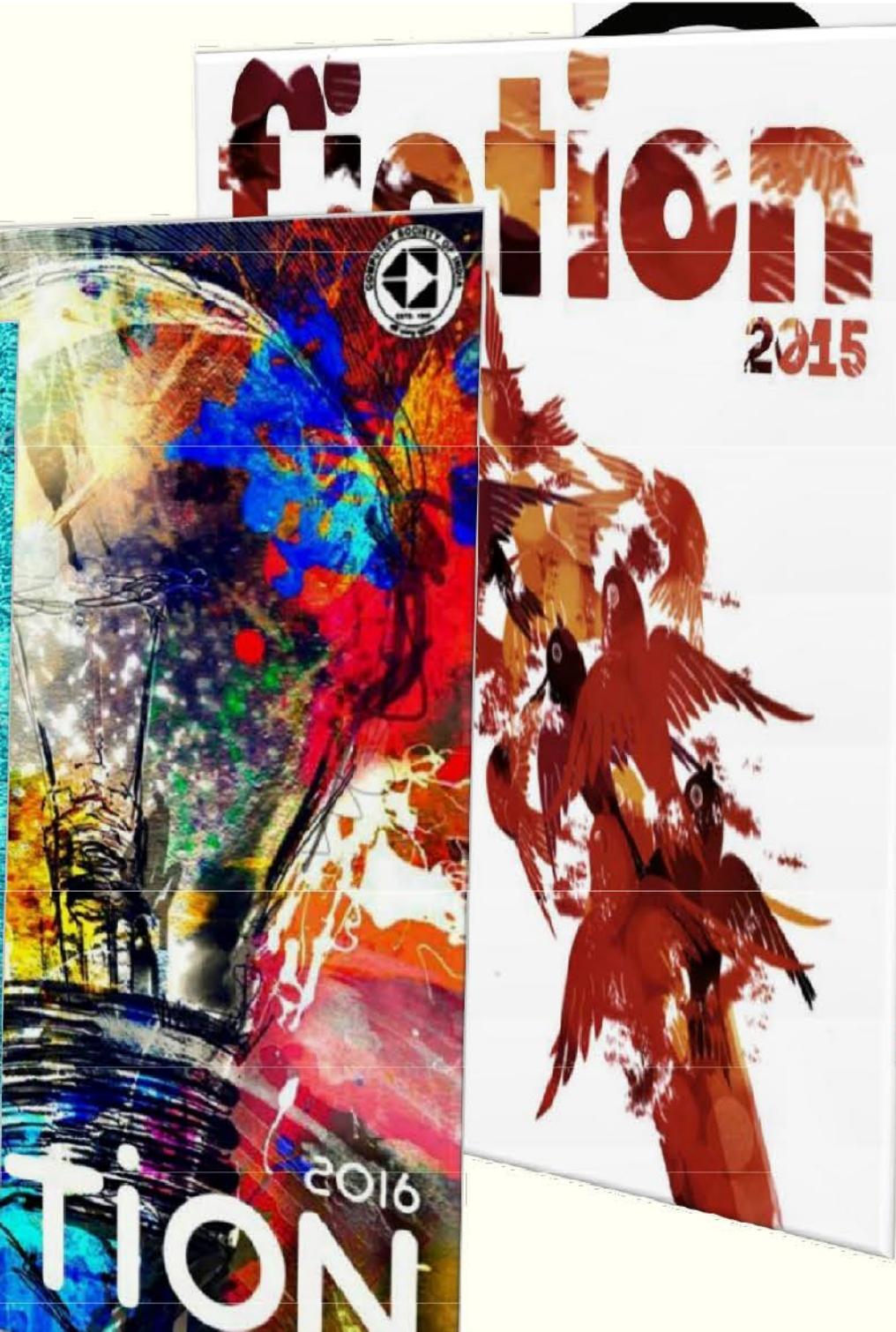
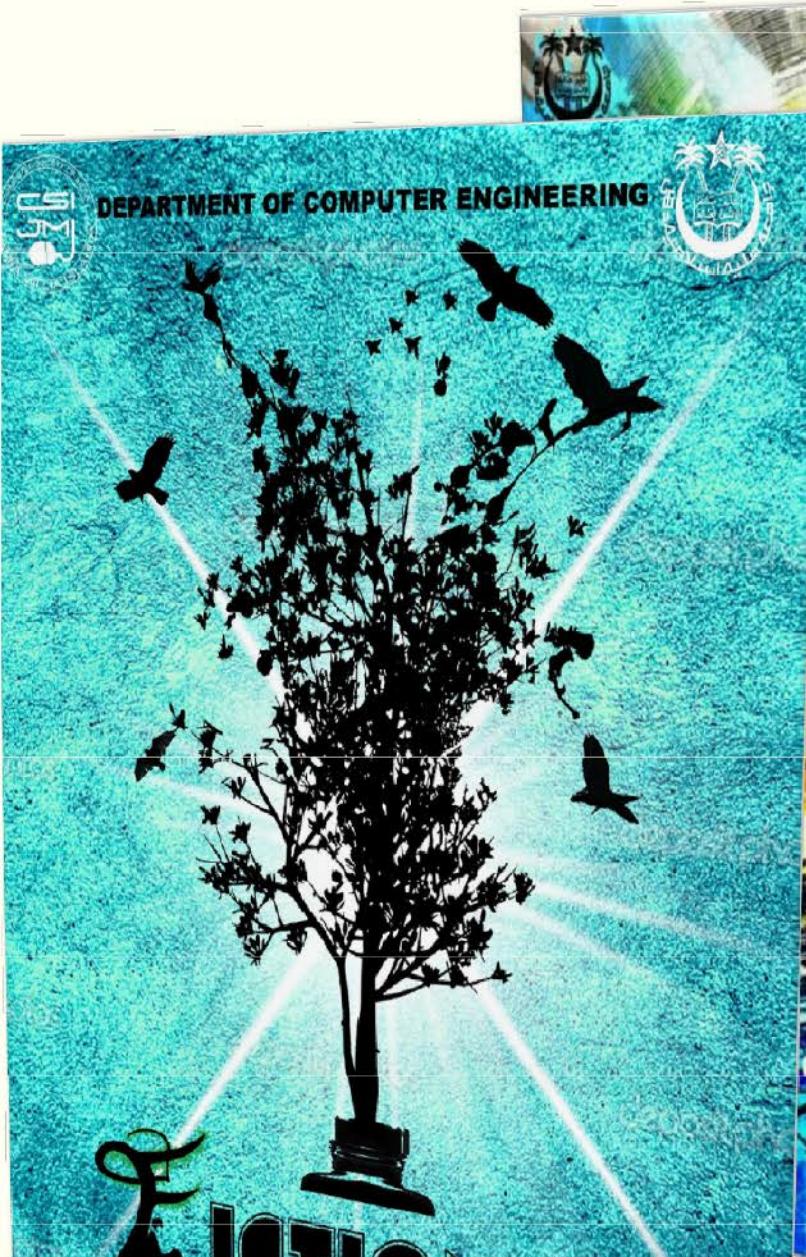
✓ CULTURAL INHERITANCE



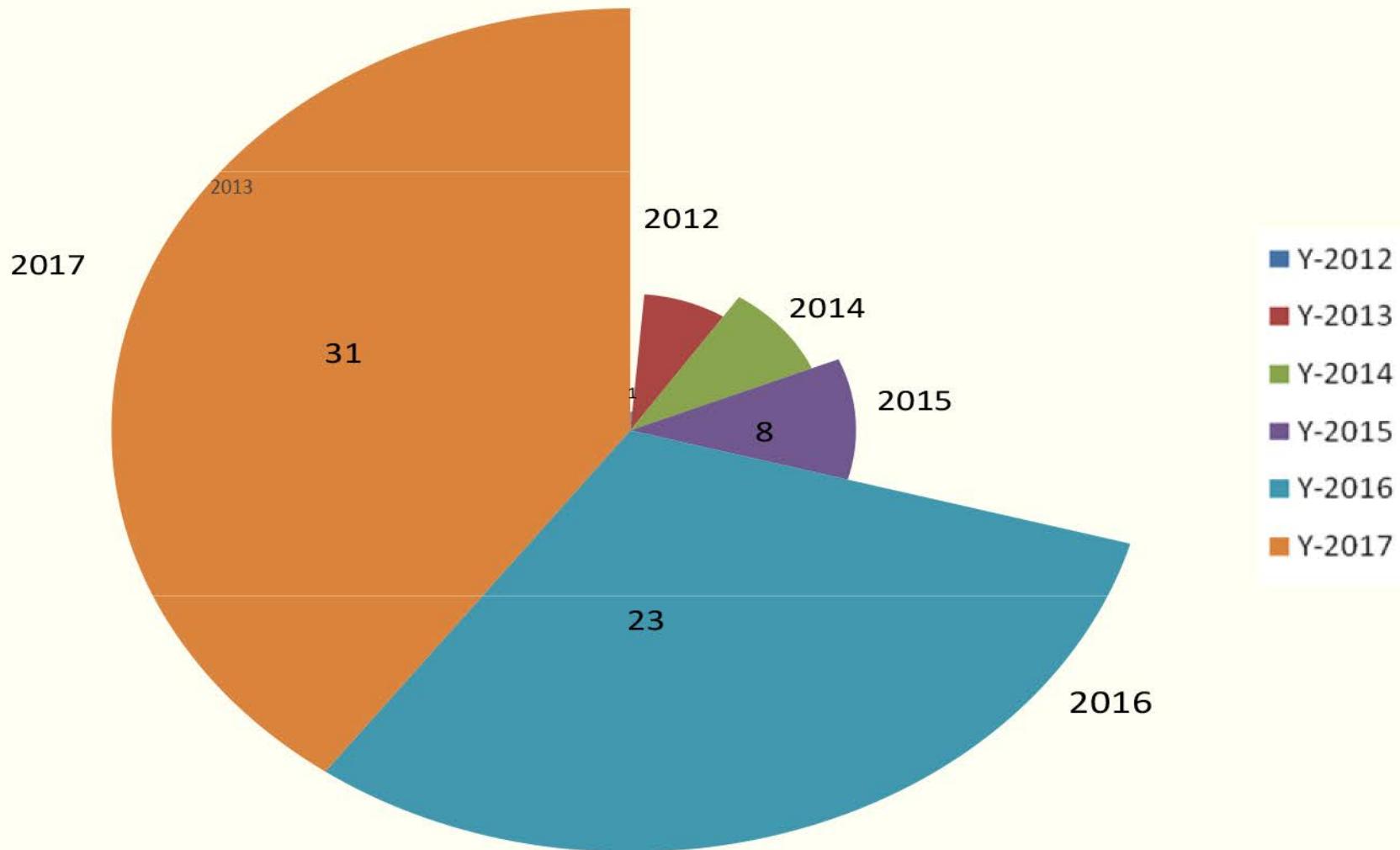
**WE INHERIT,
WE CELEBRATE**



**WE INHERIT,
WE EXPRESS**



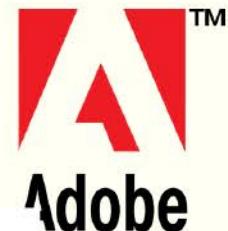
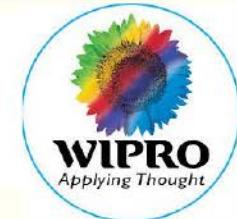
LET THE FIGURES SPEAK...



A five-year plot of the no. of companies that came on-campus for recruitment

PAST RECRUITERS

Microsoft **TVS**  **Aricent** **JABONG** 



accenture
High performance. Delivered.

Infosys



HSBC 

SAP

 **TRIDENT GROUP**™

ThoughtWorks®

HCL

Directi
Intelligent People. Uncommon Ideas.



TATA CONSULTANCY SERVICES

 **SAMSUNG**

QUALCOMM®

Mahindra
COMVIVA

 **Zillious**

 **PayU**

mroads BELZABAR SOFTWARE

 **NEWGEN**

OUR ALUMNI



Vikas Jain
Co-founder of
Micromax



UPENDRA GIRI
CEO/FOUNDER
ASTROWIX USA



MOHIT KHATTAR
MD
GODREJ



Faheem Akhtar
Adobe



SYED ASIM ALI
PRESIDENT
RELEGATE TECHNOLOGY



SUNIL CHOPRA
Coo
Calance Corp.



Yash Dhingra
Microsoft



MD AFROZ
CM
DLF



VIBHA GUPTA
SR. MANAGER
SEIMENS



ANSHU GUPTA
SENIOR DGM.
L&T



SAJID KHAN
GEN MANAGER
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RAJIV MAHAJAN
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Amit Khanna
Microsoft



Sanika Kulshreshtha
Adobe



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AMIT BHARDWAJ
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MINISTRY OF MINES



ZEESHAN ARFEEN
PARTNER
HEAD STRONG



NARENDRA KUMAR
PROJECT MANAGER
DLF



RIYAZUDDIN
SR. MANAGER
DELL



Zuhaib Khan, Co-founder,
shopatplaces.com



Mohd Waseem, Project
Manager, The Conti Group



Raghib Khan, Co-founder,
RNF Technologies

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