# Professional Activities by the Students

<table>
<thead>
<tr>
<th>Name of Department</th>
<th>2017-18</th>
<th>2016-17</th>
<th>2015-16</th>
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<tbody>
<tr>
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<td>Outside</td>
<td>Inside</td>
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</tr>
<tr>
<td>Civil Engineering</td>
<td>AUTO-CAD</td>
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<td>AUTO-CAD</td>
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<tr>
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<td>ASCE-JMI</td>
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<td>ASCE-JMI</td>
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<tr>
<td>Mechanical Engineering</td>
<td>IEEE, SAE, ASME, TRS</td>
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<td>11</td>
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<tr>
<td>Electrical Engineering</td>
<td>IEEE</td>
<td>10</td>
<td>127</td>
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<tr>
<td>Electronics &amp; Communication Engineering</td>
<td>IEEE</td>
<td>17</td>
<td>8</td>
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<tr>
<td>Computer Engineering</td>
<td>MIRAS</td>
<td>11</td>
<td>5</td>
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**Civil Engineering:**

1. A 2-days workshop on AUTO-CAD was successfully organized in September 2015. Students from various branches of engineering including civil, mechanical, electrical attended the workshop.


3. A special cultural event, ‘Rainbow’ was organized in the closing ceremony wherein people from various cultures around the world displayed traditional costumes of their respective cultures. The closing ceremony was organized on 7th November, 2015.

4. *Talimi Mela*, the weeklong annual festival of JamiaMillia Islamia, was inaugurated by Prof. Ved Prakash, Chairman, The University Grants Commission (UGC) of India on 27th October, 2016.
6. An educational excursion to Agra city on the banks of river Yamuna and home to the iconic *Taj Mahal* - one of The Seven Wonders of the World-on 3rd February, 2017 at 8:00 a.m.

**Mechanical Engineering:**

1. The department is vibrant in the extra-curricular, co-curricular and professional society activities. Department students are regular participants in events such as SAE-BAJA, Effi Cycle, Go-Kart and several others. Department is home to students chapters of several core societies including SAE, The Robotics Society of Indian and department’s own “SUBJECT ASSOCIATION”. Under the umbrella of subject association cultural, sports events and EXPERT Lectures are organized. While under the banner of professional societies the students participate in PROTOTYPE based competitions and have represented the department at international foray including Manila.
2. The Robotics Society (TRS), Student’s Chapter
3. Subject association
4. IEEE

**Electrical Engineering:**

1. Orientation programme for Fresh B.Tech., and M.Tech. students. Various technical programmes are organized to motivate new students to participate in innovative activities. (11-13 Sept 2017)
2. Working of Real Time Simulation Software was demonstrated in technical talk. (10 Sept 2017)
3. Various technical Events are organized for IEEE Day. (05 Oct 2017)
4. Workshop was organized on MATLAB for B.Tech. students. Around 50 students participated. (12 Oct 2017)
5. IEEE Students showcased their project at Stall in *Talimi Mela* (Education fair), organized at foundation day of JMI. (29-30 Oct 2017).
6. A technical talk was organized during the *Talimi Mela* on Foundation day. Around 40 students participated. The resource person was from IEEE Bangalore. (30 Oct 2018).
7. ENCOMIUM is Annual Techno Cultural Fest. (23-25 March 2018)

**Electronics and communication Engineering**

1. “Encomium 2018” (IEEE) in JMI on March 24th & 25th, 2018
2. JMI Model United Nations in JMI on Feb. 17th and 18th, 2018
3. Quiz Competition in JMI on October 29th and 30th, 2017
4. TEDx JMI 2017 in JMI on 16th October, 2017
5. Spring Fest Jamia (IEEE) in JMI on 24th – 26th March, 2017
6. Quiz Competition in JMI on October, 2015

**Computer Engineering**

1. Organized Work shop on SQL (1st Aug 2015 10:00 am to 5:00 PM).
2. Organized Quiz by Department (14th Nov, 2015 11:00 AM to 1:00 PM).
3. Organized Debate by Department (Topic: whether Computer and robot will replace so many jobs) on 23rd Jan, 2016 10:00 AM to 2:00 PM.
4. Organized Workshop on Python in Apple Lab, (13th Aug 2016 10:00 am to 5:00 PM).
5. Organized Debate by Department (Topic: Are students taking up engineering because of parental and society pressure or on their own?) on 18th Feb, 2017 10:00 AM to 2:00 PM

### PUBLICATIONS BY STUDENTS

<table>
<thead>
<tr>
<th>Program B-Tech</th>
<th>Publications</th>
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<tbody>
<tr>
<td></td>
<td>Magazine/News letters</td>
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<tr>
<td>Civil Engineering</td>
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<tr>
<td>Electrical Engineering</td>
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<tr>
<td>Electronics &amp; communication</td>
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<td>Computer Engineering</td>
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**Civil Engineering**

1. Inbisatul Haq Rafiq, Monir Khalil, Saqib Qamar, K Moin. “Seismic Stability Analysis of Historical Construction – A Case Study of Wazirpur Tomb” 11th International Conference on Structural Analysis of Historical Construction at Peru.

**Mechanical Engineering**

1. International seminar organized by Subject association of Mechanical Engineering (08 Sept. 2018)
2. International conference and exhibition on building utilities 2016. (Dec 01-03, 2016)
3. Mohd Khalique acted as Module coordinator and volunteer in Infrastructure Team in All India Techno-Cultural Fest organized by IEEE, JMI (24.-26 Mar 2017)
4. Aasim Ahmad acted as Module coordinator and Volunteer in RoboRace an All India Techno-Cultural Fest organized by IEEE, JMI. (24-26 Mar 2017)
7. The department’s Subject Association organized International Seminar on “Promising Materials and Their Processing. (Sept 18, 2018)
8. Saiyed Mohd. Muzammil Coordinated in “Mr- Mrs. Event” in Encomium’16 organized by IEEE (Feb 13, 2016)

**Electrical Engineering**

1. Presented a paper in IEEE CATCON 2017, IIT ROPAR by Yash Vikram. 16-18 Nov.2018
5. Member of Organizing Committee in Encomium 2018 JMI by Ayush Malani 23-25 March 2018
6. Coordinator in Fashion Show in Encomium 2018 JMI Shazia Rahman 23-25 March 2018
7. Organising Secretary of Al-Khwarizmi 2.0 Annual Cultural Fest 2017-18, Dr. Zakir Hussain Hall, JMI by Lareb Khan 2018

**Electronics and communication Engineering**

1. Spintronics 2018 (Magazine) by Department of ECE, JMI
2. Inside Out (Magazine) by Department of ECE, JMI
3. Newsletter by by Department of ECE, JMI by 2015-16 (july-dec)

**Computer Engineering**

Prize/Award Received by the students:-

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<tr>
<td>Engineering</td>
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<tr>
<td>Computer Engineering</td>
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**Civil Engineering**

1. 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.
2. 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.
3. The multi-purpose rickshaw, ‘Innomech - with better ergonomics’ won the third prize.

**Mechanical Engineering**

2. Secured 1st rank in Inter-Hostel Football Tournament held at Jamia Millia Islamia, New Delhi by Wasim Rahman. (Mar 2017)
3. 2nd India Engineering Olympiad- AI Rank 39 by Asif Iqbal (Feb 2017)
5. Secured 2nd rank in Chain Reaction at‘Innerve’ the Annual Technical festival of IGDTUW by Vrishin (Apr 2016)
6. Secured 2nd rank in Inter-faculty Basket Ball (Men) Tournament held at Jamia Millia Islamia, New Delhi by Kamran (Azam Feb 2016)
7. Secured 2nd rank in Inter-Faculty Basketball (Men) Tournament held at Jamia Millia Islamia, New Delhi by Wasim Rahman (Feb 2016)
8. Secured 2nd rank in Intra-Faculty Cricket Tournament held at Jamia Millia Islamia, New Delhi by Hasan Haider (Feb 2016)
9. Winner of CAD master event of Encomium16 by Hammad Khalid (2016)
10. Secured 2nd Position in Robo Quuidoitch organized by BVPISTE Mahfooz Alam 2016

**Electrical Engineering**
1. Secured 3rd Position in Face Painting in Encomium 2018 JMI by Syed Arsalan Ahmad 23-25 March 2018
2. Secured 1st position in Quiz in Spring Fest Jamia’18 JMI by Lareb Khan 16-18th March 2018
3. Secured 3rd position in Singing in Spring Fest Jamia’18 JMI by Sharik Azam Kadri 16-18th March 2018
4. Secured 2nd position in LAN Gaming in Spring Fest Jamia’18 JMI by Abir Das Gupta 16-18th March 2018
5. Secured 2nd position in Quiz in Encomium 2018 JMI by Hasan Nabeel 23-25 March 2018
6. Secured 2nd position in FUTSAL in Spring Fest Jamia’18 JMI Neelaksh Rawat 16-18th March 2018
7. Secured 3rd position in FUTSAL in Spring Fest Jamia’18 JMI by Ali Hamza Usmani 16-18th March 2018

**Electronics and communication Engineering**
1. Participated in Workshop on crypto currency organised by E-Cell, Department of commerce &business studies, JMI by Mohd. Farman (Oct 30, 2017 )
2. Participated in Workshop on Crypto currency organised by Enterpreneurship Cell, JMI Oct 30th, 2017
3. 1st Prize in Open Govt Data Hackathon organised by National Informatics Center by Arshil Khan (Oct. 7th & 8th , 2017 ).
7. 2nd Prize in Hack JMI organised by Encomium’18, JMI by Huzaifa Iftekhar (Mar 23rd – 25th,2018 ).

**Computer Engineering**
1. Won 1st Prize of Rs. 1,00,000/- in Smart India Hackathon Team of 6 students of Computer Engineering in Allahabad.
2. Won consolation Prize of Rs. 10,000/- in Smart India Hackathon in Year 2017 in Ahmadabad.
3. Won 2nd prize of Rs. 50,000/- in Smart India Hackathon in the year 2018 in Sonepat.
4. Winner of CODERSBIT 2018 held online by SANCHIT AHUJA.
5. Winner of CODERSBIT 2018 held online by SHIVANSHU CHAUDHARY.
6. Participated in ACM ICPC 2017 Kolkata by MD NAFIS KHAN
Professional Activities by Students

Cross-capacitive sensor experimental set up for micro droplet detection, DRDO project 2017-2020

Cross-conductive sensor for humidity measurement, DST project 2012-2015

Fig. Industrial visit of students to Pawan Hans Ltd. Rohini, Delhi

Dr S.N Singh delivering Abdul Mubeen Memorial Lecture
Orientation week (events)
Participation at Talimi Mela

Technical talk on Cloud Computing

ENCOMIUM 2018
Invited talk by Prof Jamal H. Abawajy

Invited talk by Dr. Tanupriya Chaudhary on HCI

Winners of 1st Prize Smart India Hackathon 2017 at Allahabad

Team members participating in Smart India Hackathon 2017, venue Kolkata
Team members participating in Smart India Hackathon 2018, venue Bangalore

SQL Work shop 1st Aug 2015, 10:00 am to 5:00 PM, 2nd year students

Quiz 14th Nov, 2015 11:00 AM to 1:00 PM ,1,2,3&4th year students
Debate 23rd Jan, 2016 10:00 AM to 2:00 PM, 3rd & 4th year students

Mussoorie Trip, 15th to 17th April, 2016

Debate, 18th Feb, 2017, 10:00 AM to 2:00 PM, 3rd & 4th year students
Invited talk on environment & sustainability

invited talk on ergonomics

Swach Bharat Abhiyan
Work shop on modern tools

Water level indicator is one of the project related to industry. The prototype water level indicator is used for different water level pumping and monitoring in industries. Similarly maximum power point tracking system is one of the other project related to industry.

Water Level indicator

Maximum Power Point Tracking System