

# Mohamed Sathak AJ College of Engineering, Chennai - 603103

## Annual Report : 2016-2017

Engineering education has evolved in dimensions in recent years. It has helped in innovation, creativity and knowledge in shaping the future of individuals. It has paved way for the next generation in the field of research, innovation and advancements in technology.

The Mohamed Sathak AJ College of Engineering established under the aegis of Mohamed Sathak Trust affiliated to Anna University Chennai and approved by AICTE New Delhi, offers 8 UG programs and 4 PG programs with state of art facilities. Majority of our students receives various scholarship from the Government and non government organization under various schemes such as Minority scholarship, first graduate, SC/ST and other backward class scholarships which help greatly to the students hailing from economically poor background.

In terms of academics, 33 of our teaching faculty sponsored to upgrade their skills through FDP organized by various institutions of repute and 11 programs organized for the benefit of non teaching and technical staffs.

Research is a process to discover new knowledge. Our management encourages the faculty to pursue research and publish the research papers in National and International Journals of repute. Three of the faculty members Mr. S.Prasath, AP/MECH, Dr.P.A.Janakiraman, AP/ECE, Mrs.E.Dhiravidachelvi, AP/ ECE published research papers in International Journals.

Mr. Prasath, AP/ Mech published an paper on 'Optimization of Friction Stir Welding Process Parameters for Joining ZM 21 to AZ 31of Dissimilar Magnesium Alloys Using Taguchi Technique' in La Metallurgia Italiana.

Mrs.E.Dhiravidachelvi et al. published an paper on 'Speedy location of the Optic disc in retinal images in Journal of medical imaging health informatics and also published an article on 'Characteristic Analysis of Hard Exudates in Retinal Images' in Scopus indexed International Journal of Pure and Applied Mathematics. In total our faculty members published 29 papers in various journals.



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The college has NSS unit, YRC, Rotaract club functioning under the Programming Officer Dr. Punniyamorthy. The NSS unit organised various camps and activities like medical camp at Thalambur, Village cleaning program, Blood donation camp etc. Our students actively participated in Blue Whale Awareness program, tree plantation and cleaning programs, Eye Donation and First Aid Awareness programs and Turtle Walk 3.0 programs.

Students Volunteers participated in Blood Donation Camp and their service was recognised by the Govt. Among other activities the NSS unit of the college extends its service by providing opportunities to the students through various awareness programs and social activities. Such volunteering accomplishes the students as efficient administrator and as a person who understands human nature.

Physical fitness and excelling in sports and games is the interest of many students. The department of physical education encourages and motivates the students to participate in various sports and games. Students bring laurels to the college by participating in various sports events and exhibit their talent.

Our college sports team actively participated in Intra mural sports and games competitions like football, volleyball, basketball, kabaddi, in athletics events 100mts, 200mts, 400mts and 4x100mts relay, field events like short put, discus, javelin etc. They have brought laurels to the college by participating in zone, inter-zone and state level competitions.

The college Central library has adequate volumes of books which include technical and general books as per the prescribed curriculum of Anna University. It has 93 National journals and 102 International journals, newspapers, periodicals and magazines. The book bank facility is available for the students for the preparation of Anna University examinations.

My whole hearted wishes to the 12<sup>th</sup> batch of Engineering students of this college for their success in all their endeavours.

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In this academic year various activities, events and programs, workshops and seminars were organised with an objective to bring subject expert and industry professionals to share their ideas. These programs help hands on interaction and exploration on complex skill set.

Workshops on Intellectual property rights, research methodology, build reasoning, critical thinking and collaborative abilities were organized. The Department of civil Engineering organised Faculty development programme on High Rise Building and Analysing. Department of EEE organized Industrial Control Engineering and Automation. Department of ECE organized Computer Networks and Digital signal processing.

Student achievements and accomplishments are progressed and assessed through activities. Projects and technical seminar help students exhibit their knowledge, communication skill and other technical skill. It exhibits also their ability to function in teams and other collaborative skills.

Other activities include soft skill and aptitude training organized by the placement cell. The department of English organized workshop on 'Paper presentation skills and its Importance'. As a part of fitness program Yoga session was organized for brain control. Students' participation in such programs enhanced their agility, self confidence and self esteem. As an initiative to share the knowledge and to establish cordial relationship among students and faculty, a student exchange programme was organised in the college.

The Training and Placement cell organized placement drive for our final year students Many leading MNC's industries in and round Chennai visited the campus offered placement for 91 students in companies like Amazon DC pvt ltd, Sutherland Solutions, Primetec Industries, Cad Labs, Openwave Computing Services Pvt. Ltd, First Source Solution Ltd etc.

MOUs signed with BSNL Rajiv Gandhi Memorial Telecom Training Center, Menambakkam, Chennai and PANTECH India Pro labs Private limited to perform activities like project, innovation workshop, technical seminar, and presentation of research papers, placement, training programs, guest lectures, and collaborative research work.

Add On programmes on Introduction to Network- CISCO Networking Academy, Analysis of Solid components using ANSYS and Photoshop were offered to the students to bridge the gap between the academic and industry demands.



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