

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.

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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The college has NSS unit, YRC, Rotaract club functioning under the Programming Officer Dr. Punniyamoorthy. 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 12th batch of Engineering students of this college for their success in all their endeavours.

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Annual Report - 2017-2018

Quality education is the foundation for the innovation, creativity, knowledge sharing and growth of mankind with humanity that induces the progress towards the prosperity of an individual as well as our Nation.

MSAJCE established to offer quality technical education under the aigies of Mohamed Sathak Trust. The main objective MSAJCE is to provide high-quality education to minority, economically backward and rural students. The institute has emerged as one of the top engineering institutes in the state and stands apart as a symbol of quality in engineering education. It has evolved over the years into a citadel of engineering thought and learning. This has been possible because of the dedication of its competent faculty and committed students, its mission to influence the quality of engineering education in the industry and the ability to bridge the gap between an academic institution and a challenging business world.

In the august presence of the Chief guest Mr. Hariharan Subramanian, Head –Talent Management India Aspire Systems private ltd, Chennai and all other dignitaries I take immense pleasure to present the Annual Report for the Academic year 2017-2018

The college offers B.E / B.Tech in Civil, CSE, ECE, EEE, Mech, IT, Aero and Material Science Engineering courses and M.E in Computer Science Engineering, Power System Engineering, Structural Engineering, Thermal Engineering and VLSI Design courses. The college has qualified, dedicated and well-experienced faculty members, with state of art infrastructure to meet the requirements of Vision and Mission of the College. In this academic year around 700 students were received the scholarship from government under First graduate, SC/ST, minority, and other backward community schemes.

The college has a well-organised and spacious Central Library facility with good ambience with adequate number of academic, technical and general books, National & International journals, newspapers, periodicals and magazines. It also contains books and reference material that provides full support for the students' projects. The book bank facility is available for the students to the preparation for the semester examinations.



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The Management encourages the faculty members to pursue research and publish articles in National and International Journals. Many research papers were published at various International and National Conferences. During this year a research grant of 1.55 lakhs was received through various Government and Non-Governmental funding agencies such as DST, TNSCST and DST-SERB. With immense pleasure, I appreciate our faculty members Dr.E.Dhiravidachelvi of ECE, Dr.R.Ganesa Moorthy of Mechanical Engineering and Dr.A.Balakrishnan of Chemistry who were bestowed with doctorates. Ms S.Radhika of the Department of EEE received the best teacher Award from Meenakshi Engineering College, Chennai. In total around 33 research papers have been published in National and International journals of repute by our faculty members.

In academics, around 20 programs were organised by various departments namely Workshop on 3 D printing, Seminar on Heating ventilation and Air conditioning, Recent Trends in Optical Communication, Embedded Systems, Importance of higher education for the benefit of students. In total 32 faculty members were actively participated in FDP organized by various reputed institutes, and organized 12 FDP internally for the benefit of non teaching and technical staffs.

Various functional committees of the college actively execute their responsibilities for the smooth functioning of the organisation. English Literary Club conducted TALENTIA-2018, a literary event for Oratorical, Essay writing, JAM and Poetry writing competitions. Students participated in these events and exhibited their talents.

Many of our students actively participated in symposiums, workshops and Inter-college competitions. Ms Lubna Wadood, 3rd year ECE won second place in Youth Talk – A state -level oratorical competition organized ICTACT Chennai. Around 12 Student exchange and faculty exchange programs were organised for the benefit of the students to create an compatible environment.

The Placement & training cell of our college conducted various training programs for the benefit of our students with the support of industrial experts and alumni. JAM, Soft skill training, GD, mock interview (HR & Technical) etc, This initiative helped students to understand the placement process and prepare accordingly.



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Leading MNCs and core companies have recruited students through the on-campus placement drive organised by the college. Students have received offer letters and got placed in the companies. As a result of the highly focused and continuous efforts of the Placement cell, we have created impressive placement records. Certificate programs were offered to the students to get wide exposure to recent technologies, soft skills and aptitude training, and value-added courses to improve their employability skills of the students. Around 61 % students have received offer letters and got placed in the companies like Zoho Corporation Pvt Limited, Elecamino Software Pvt Ltd, TCS etc.

MOUs were signed with various industries in alignment with project, internship, workshops on innovation, technical seminars, publishing research papers, placement and training programs, guest lectures and collaborative research work.

Internship programs from BSNL, Adhithya Info Tech, Nicola Educational and Research Institute and TRIOS Technologies Pvt Ltd. have been attended by the students of various departments. It is mainly provided to students to gain practical knowledge of recent technologies and learn different procedures on the administrative side.

Volunteer organisations such as National Service Scheme (NSS) unit, Youth Red Cross and Rotaract club organised various events for the students to create awareness of issues prevailing in the society. The students got the opportunity to involve with real-life social activities and thereby become responsible citizens. The NSS conducted several Rural empowerment programmes such as Blind Walk, Turtle Walk, OMR Run, Education awareness for poor children and First Aid Awareness programmes were organised. The NSS unit organised various camps and activities like medical camps, Village cleaning programs, Blood donation camps etc. Under the discipline and anti-ragging committee, the students were continuously monitored and checked for good rapport among the students.

The college sports team participated in several sports and games such as football, volleyball, basketball and kabaddi. In athletics, students participated in events like 100mts, 200mts, 400mts and 4 x 100mts relay. They participated in field events like shot put, discus, javelin etc. Our students won 3 awards in participating Zone / State / National level sports meet and brought laurels to the college.



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***My hearty congratulations** to R.Nirmal won a gold medal at the district-level Archery Championship 2018 and R.Dhinakaran won a gold medal in Archery-All India Inter-University Tournaments at the national level. G. Deva sahayam won a bronze medal in 110Mts Hurdles-Anna University Zonal Athletics Meet 2017-2018.

***On behalf of the management,** I wish good luck to the entire faculty and student fraternity of MSAJCE for their future endeavours.

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Annual Day Report 2018 - 2019

Distinguished Chief Guest for the Annual day, Dr.G.Ravindran, Head, Department of Journalism and Communication, University of Madras, Members of Mohamed Sathak Trust, Dignitaries, Distinguished Invitees, Head of the Departments, Members of Faculty and Staff, Parents, Friends from Media,: Greetings from Mohamed Sathak A. J. College of Engineering.

Ladies and Gentlemen: Good Afternoon to one and all present here! It is my great pleasure and privilege, to extend a very hearty welcome to each one of you to the Annual Day 2019 of Mohamed Sathak A.J. College of Engineering.

I am privileged to welcome our esteemed Chief guest Dr.G.Ravindran for accepting our invitation in short notice and making yourself available amidst your busy schedule. Your gracious presence at this function makes it inspiring and memorable one. I am elated to welcome you sir.

I am equally happy to welcome our distinguished secretary of Mohamed Sathak Trust, Janab. S.M.H. Sharmila for her dynamic and intelligent leadership coupled with her undying zest for accomplishing the vision and mission of the trust. A warm welcome to you Madam.

I extend my hearty welcome to the Director of Mohamed Sathak Trust, Janab Mohamed Sathak for his strong support and encouragement in building rapport between industry and institution relationship. My cordial welcome to you sir. It is my privilege to welcome the distinguished invitees, eminent personalities, Hod's, faculties, beloved students and their parents, press and media.

In the Endeavour to build socially responsible and knowledgeable young engineers and technocrats, our contribution has been quite significant. Our students undergo a comprehensive academic programme. The achievers will enjoy the fruits of their hard work. It is most gratifying to mention that Ms S. Dharini of Material Science and Engineering branch has got the Gold Medal in the Under Graduate Programme. My heart felt congratulations to her. It is most

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gratifying to mention the academic excellence of our institution, is evident in the fact that there is a stable growth in the academic performance of the students. This is made possible with the constant support of our management, commitment of our faculty and dedicated effort of our students

The institution is providing 6 UG: B.E. Courses and 2 PG: M.E. courses. As per the public demand & industry needs, we have achieved many milestones over the years, we are in the process of enhancing our wings to establish various facilities.

The College has been moving ahead as one of the premier Institutes in Tamil Nadu with its work culture, healthy academic practices, traditional values, resulting in overall Student development, this increased the Employability of our students. Since employability of students being our thrust area, there has been steady increase in the placement over the years. Most of final year students have been recruited by various leading industries namely INFOSYS, TCS, WIPRO, CTS, SYNTEL, GOFRUGAL, PIN CLICK, ALPHA TKG, PEOL, NEX INFO. We take great pleasure in the impressive performance of our students in the selection process by the companies year after year.

We are in the process of establishing good relationship with leading industries through MOU's for mutual benefit in Education, Training, Scientific / Industrial Research and Project Consultancy. Eminent Personalities from leading industry and Institute are regularly invited to address the students to provide awareness on projects, trends and developments in current technology. This initiative has also opened up avenue for Entrepreneurial Development. Our aim is primarily to assist our students to become employment generators rather than job seekers. To realize these various value-added inputs beyond the syllabus is provided for enhancing the employability and skill set of our students various training have been provided to meet the industrial and societal requirements.

We, at Mohamed Sathak A.J. College of Engineering give equal emphasis to both teaching and research, which are the twin academic concerns of any educational institution of repute. The college has received project funded by SERB, Govt of India, for the proposal submitted by Mr.S.Venkatramanan, Assistant Professor, Department of Mechanical Engineering



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and consultancy work from Bharat Fords India Ltd. by Dr.Murugan, Professor of EEE department A wide variety of research is being carried out by our faculty as it is evident from total of 30 scientific and technical papers published in national and international journals of repute during the year 2018-2019. In this academic year 31 of our faculty sponsored to attend FDP organized by various institutions of repute and 10 programs were organized internally for the benefit of non teaching and technical staffs.

Mohamed Sathak A.J. College of Engineering provides academic ambience through inspiration, fosters enthusiasm and motivation so as to realize challenging and rewarding career pathway to the students. Our unwavering commitment to "Quality and experiential learning" ensures that our students develop abilities for critical thinking and evaluation of issues; they are trained to transform 'Concepts and Theoretical Knowledge in to Real time systems. Besides these, our students are moulded to be socially aware and become responsible citizens to make effective contributions towards Societal transformation and Nation building'.

To facilitate greater learning experience in the campus, the college invest handsomely in providing facilities like COE in New Energy, Building Information modelling, IOT, 3D Printing, Industrial Robotics, E-mobility, AR-VR, Incubation Centres, Play grounds, Food Court are in the pipeline to develop in this academic year. Technology has to be constantly upgraded to keep pace with the desired. improvements in academic quality. The college has expanded the computing facilities with branded servers with latest processors, peripherals, a variety of operating systems and application software's. All the buildings in the campus are connected through LAN. The campus is wi-fi enabled. Library has more than 4218 titles, 24567 volumes of books in various subjects including NPTEL on line materials,106 national journals, 1450 e-journals and magazines. As a part of the curricular activity Industrial Visits, Industrial Tours and Internship are arranged to the industry of repute to make the students to understand the process and need of the industry. In the year 2018-19 in total 40 industrial visits, Internships for 153+ students in various industries were organized.

In addition, the foreign language training classes is being put on cards to start from the forthcoming academic year for German and Japan languages, GATE Coaching and other Public service examination trainings are in pipeline.



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In terms of Co curricular activities our faculty and students had enrolled very actively in professional bodies of National and International repute for improving their innovative ideas, Team building and leadership skills. As a part of these activities the following programs were organized in this academic year:

State level technical symposium GYRO GUTZ, TRENDZI, ELECTRO' FEST, MELILZAI 2.0, iktinos2K 19 had a good response from various engineering colleges, students participated in various competitions. 2. 25 MoU's signed with various reputed international and national organizations in the academic year 2018-2019.

College education is incomplete without a wholesome personality development of the students. Hence a number of extra-curricular activities are regularly conducted through NSS, Sports and Games. Our students made their best effort to bring laurels to the college by participating in technical symposiums, Intercollegiate competitions, Sports and won number of prizes, Few of the notable performances are

1. S.Ramkumar & Mohamed Vaseem.S launched an App named Daimon in google store for public use.
2. Swaroop.A.S. of Final year CSE achieved the best student award from ISTE, student chapter, Tamil Nadu section organized by Sri Sairam Engineering College.
3. Ramkumar.S and Swaroop.A.S won first prize with a cash award of Rs 10,000 in IBM Open Power hackathon National Level tech Fest organized by SSN College of Engineering
4. Our Students K.S Iqlas Ahmed & H.Mohamed Ibrahim of final year EEE won first prize in the national level technical symposium organized by Sri Sairam Engineering college.
5. In Sports, our college volley ball team were the runner up in the State Level SSN Cup Volleyball tournament.
6. Our students won 8 Awards for various sports activities in Zonal / State / National level events organized by the institutions of repute.
7. Mohamed Asif of final year ECE won the silver medal in the State Level Bench Press competition.
8. R.Dinakaran of final year Mechanical Engineering won the gold medal and R.Nirmal Kumar of third year mechanical engineering won the silver medal in the Chennai International Youth

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Fest-Archery. In total 300 plus students have participated in various competitions and have brought laurels to the college.

As a part of institutional social responsibility students participated in the Road Safety Awareness Week organized by Tamilnadu State Transport Corporation. Also a blood donation camp was organized in the campus in collaboration with Leo Club.

I take enormous pride in recognizing the contribution of the teaching faculty. All these achievements are the results of the concerted efforts of our faculty members. They put in a lot of efforts to mould each student and they hold themselves to the highest academic standards. The strength of our academic performance is visible through more than 75 brilliant faculty members, 20 of whom are Ph.Ds with rich teaching and industrial experience. They are duly supported by able non-teaching staffs, Faculty are encouraged to pursue Ph.D and presently 20 members are pursuing Ph.D in various universities. A number of conferences, workshops, faculty development programs are conducted and encourage them to participate in the events organized in other reputed institutes to keep the faculty abreast of the latest cutting edge technologies in their respective fields to enhance the teaching learning process.

When we look back on the path we have traversed, we notice that we have much more to accomplish. Our forward march in the field of technical education and research continues pushing us on to reach greater realms.

Once again I heartily welcome each and every one of you on the occasion of the 14th Annual day of our college and wish our students success in their endeavours which would contribute to the growth of our nation and society.

Dear students, the nation needs your service and contribution. Dream and work together for making our country a better place to live in. Let us also resolve to share our knowledge and expertise with our brethren as a token of our gratitude to this great country. March forward, embrace your future with open arms and enthusiastically pursue your own life of discovery and innovations!

Once again, congratulation to all the students and staffs. We hope to hear greater achievements from you in future. Thank you one and all present here.

Dr.K.S.Srinivasan

Principal



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Annual Day Report : 2019 - 2020

MSAJCE offers 6 UG: B.E. Courses and 2 PG: M.E. courses. Among these B.E Mechanical Engineering and B.E Computer Science and Engineering got permanent affiliation status from Anna University, Chennai. As per the public demand & industry needs, we have achieved many milestones over the years, we are in the process of enhancing our wings to establish various facilities. The College has been moving ahead as one of the premier Institutes in Tamil Nadu with its work culture, healthy academic practices, traditional values, resulting in overall Student development, this increased the Employability of our students. Since employability of students being our thrust area, there has been steady increase in the placement over the years. Even in the Covid-19 Pandemic most of final year students have been recruited in various software industries. We are in the process of establishing good relationship with leading industries through MOU's for mutual benefit in Education, Training. Scientific / Industrial Research and Project Consultancy. Eminent Personalities from leading industry and institute are regularly invited to address the students to provide awareness on projects, trends and developments in current technology.

Around 10 technology centers were established with the objective of making our students deployable, learning enjoyable, facing various industrial competitions and hackathon with confident and molding them as leaders, entrepreneurs and responsible citizens.

Bot Lab Centre of Excellence established in association with Automation Anywhere, 178 students and 4 faculty were trained in Essential and Advanced levels. Four of our faculty Dr.I.Manju, Mr.Vairava Permal, Mr.Mohaideen, Mr.Raja were trained by Train the trainer program in Automation Anywhere, Bangalore. Coding Learning Centre was established in association with Codetantra to improve the coding competency of the students. In association with AWS & ICTACT 100 students were trained and certified. Two faculty members Mr Raja, AP/ECE and Mr Senthil Pandi, AP/IT received Instructor training and certified by CISCO. 3D Printing and Industrial Robotics centers has been developed to train the mechanical students

Our aim is primarily to assist our students to become employment generators rather than job seekers. To realize these various value-added inputs beyond the syllabus is provided for enhancing the employability and skill set of our students various training have been provided to



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meet the industrial and societal requirements. Entrepreneur awareness workshop was organized in association with DST – NIMAT project.

It is most gratifying to mention the academic excellence of our institution is evident in the fact that the overall pass percentage of our students keep increasing. With the constant support and monitoring of management, commitment of faculty and dedicated effort of our students our academic performance is improving continuously. It attracts the top performers of +2 examinations, entrusting their future at MSAJCE and improve our admission in increasing trend.

As a part of the faculty development 32 faculty members participated in FDP organized by various institutions of repute and 10 Programs organized for the benefit of nonteaching and technical staffs. During this pandemic period 1867 of online certification courses completed by our faculty, 1175 of online certification courses completed by our students thorough NPTEL, SWAYAM, UDEMY, TATA STEEL etc. In total 41 Programs, 33,414 participants actively participated in various events organized such as webinar, FDP, Quiz, Covid awareness programs in association with experts of various industry and institute through virtual mode.

As a part of Institute Social responsibility Career guidance program as well as Science & Technology awareness camps were organized for + 2 students and Polytechnic students. Tech Jamboree - 2020 A state level technical carnival on National Science Day. Around 400 students from various polytechnic participated and show cased their talents.

In this academic year our students show cased their talents in various industrial competitions and Hackathons. Few of the notable performances are

1. Our students participated in Smart India Hackathon (SIH) 2020 organized by the “Ministry of Education” and the All-India Council for Technical Education (AICTE). One of our student team from MSAJCE was place one of the top 5 teams selected for the Software - Web App development domain among 57/344 participating teams in SIH 2020. The team developed an “Online platform for mentoring Startups for the Department of Information Technology and Bio Technology”, for Government of Karnataka.
2. The college has adopted 5 villages Siruseri, Karanai, Perumpakkam, Puzhuthivakkam and Thazhambur under the Unnat Bharat Abhiyan(UBA) scheme of Govt. of India.
3. In sports, our students received 3 Awards in Zonal / State / National level competitions organized by the various institutes of repute.



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The College has been moving ahead as one of the premier Institutes in Tamil Nadu with its work culture, healthy academic practices, traditional values, resulting in overall student development, which increased the Employability of our students. I am very glad to inform that 70 % of our final year students registered for placement have been recruited by various leading industries in this academic year highest Pay package of 7.2 Lakh per annum by Jaro Education Chennai. In-house foreign language training classes for Japanese was started with native trainer from Nov 2019. Our Alumni meet was conducted on 26th Jan 2020.

We have established good relationship with leading industries through MOU's for mutual benefit in Education, Training, Scientific, Industrial Research and Project Consultancy. Eminent Personalities from leading industry and Institute are regularly invited to address the students to provide awareness on projects, trends and developments in current technology. This initiative has opened up avenue for our students to get internship opportunity with stipend, in addition they would undertake industrial consultancy projects from the reputed industries.

10 of our students involved in developing e-learning module development project for Sona Comstar, Chennai. Preethi Home Appliances and Mando are in pipe line to associate with us. M/S Ford India donated one car to us for students study purpose in this academic year.

We, at MSAJCE have given equal emphasis to both teaching and research, which are the twin academic concerns of any educational institution of repute. A wide variety of research is being carried out by our faculty as it is evident from total of 33 scientific and technical papers published in Scopus, SCI and Web of Science journals and 3 patents & 3 Copy rights has filed in this academic year.

Technology has to be constantly upgraded to keep pace with the desired improvements in academic quality. To facilitate greater learning experience in the campus, the college invested hugely in providing facilities such as new laboratories, software's, COEs / Industry oriented labs, Incubation center, enhanced the facilities of library in this academic year.

I am glad to submit that we inculcate in our students the spirit of service to the needy sections of society; Our NSS unit organized Cleanliness awareness camp, Avoidance of plastics, Blood Donation Camp, Dental camp, Medical camps and Tree plantation camps at Siruseri IT Park , in the adopted villages and our campus.

Dr.K.S.Srinivasan

Principal

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Annual Day Report: 2020 - 2021

Distinguished Chief Guest for the annual day, Dr.K.Prabakar Superintendent of Police, CMRL Chennai, Our Director Mr. Mohamed Kadar, Distinguished Invitees, Heads & Hods, Members of Faculty, Students and Staffs Good afternoon to one and all present here!

It is my great pleasure and privilege, to extend a very hearty welcome to each one of you for this annual day function of Mohamed Sathak AJ College of Engineering.

I am privileged to welcome our esteemed Chief Guest Dr.K.Prabakar Superintendent of Police, CMRL Chennai, with varied experience. Your gracious presence at this function makes it inspiring and memorable one. A warm welcome to you sir.

We deem it a great honor to welcome Mr.A.N.Mohamed Irfan You Tuber has very kindly agreed to grace this function, as the Guest of Honor; Your gracious presence at this function is exciting us; A warm welcome to you sir.

I am immensely delighted to extend my heartfelt welcome to Our Director Mr.Mohamed Kadar, your mere presence inspires and makes the event a memorable one. I am elated to welcome you sir.

It is my great pleasure and privilege, to extend a very hearty welcome to all the Dean, Hods, faculties, students and staffs for this formal and grand occasion. We are delighted and looking forward to the valuable messages from our chief guest, Sir your messages will make an impact on our students and faculty, it shall certainly carve out a bright future for them.

I am happy to inform that, 2 of our UG programs CSE & IT in the process of accredit by NBA New Delhi and campus accreditation by NAAC in this academic year. Our institute in the process of recognition by UGC under 2F of UGC act 1956, classified as Silver category by AICTE – CII Industry linked technical institutes survey for the year 2021. Upgrading all the department as approved nodal research centre for Academic research under Anna University Chennai and SIRO – DSIR Govt. of India certification is in pipeline. As per the industrial demand, popular among public, parents and students interest and request we are in the process of expand our wings to introduce new courses with 30 seats in B.Tech in Computer Science and Business System and Artificial Intelligence and Data Science from the academic year 2022 - 2023 with subject to the approval of AICTE New Delhi & Anna University Chennai.



It is most gratifying to mention the academic excellence of our institution is evident in the fact that the overall pass percentage of our students keep increasing. We have made a giant leap in overall rank 91st position in Dec 2020 examination among 520 colleges in Tamilnadu. With the constant support and monitoring of management, commitment of faculty and dedicated effort of our students our academic performance is improving continuously. It attracts the top performers of +2 examinations, entrusting their future at MSAJCE and improve our admission in increasing trend.

In terms of co-curricular activities our faculty and students had enrolled very actively in professional bodies of national and international repute for improving their innovative ideas, team building and leadership skills. As a part of these activities the following programs were organized in this academic year

In this academic year our students show cased their talents in various industrial competitions and Hackathons. Few of the notable performances are

1. Our III yr CSE students Ms Ganga & team were one among the finalist in Smart India Hackathon 2020 organised by MHRD & AICTE
2. Our faculty & students were winners & in placed in the top 100 list of Mapathon competition organized by IITB-ISRO-AICTE
3. Our students Mr Narendren, Mr Nizamulhaq were semifinalist in Swadeshi Microprocessor Challenge organized by IIT Madras, C-DAC & Ministry of electronics & information technology. They were awarded 1 lakh fund to develop the prototype.
4. Our mechanical students Mr Asbaq Meeran, Mr Abdul Mukshith and Jamaludeen were among the finalist in IIC National Innovation Contest organized by IIC - MHRD Innovation Unit.
5. Mr.P.Abrar Musharraf, Mr.K.H.Sakthivel & Mr.H.Lalith Adithyan of CSE participated in No Contact event organized by National Institute of Technology, Trichy and won cash prize of Rs. 8500/-.
6. In sports, our students received 3 Awards in Zonal / State / National level competitions organized by the various institutes of repute.

The college has adopted 5 villages Siruseri, Karanai, Perumpakkam, Puzhuthivakkam and Thazhambur under the Unnat Bharat Abhiyan(UBA) scheme of Govt. of India. The proposal titled Automatic Water Level Indicator & Motor Control Using Mobile



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Application has been awarded Rs.1 lakh funding under the Technical Intervention project by UBA.

The College has been moving ahead as one of the premier Institutes in Tamil Nadu with its work culture, healthy academic practices, traditional values, resulting in overall student development, which increased the Employability of our students.

I am very glad to inform that 70 % of our final year students registered for placement have been recruited by various leading industries in this academic year highest Pay package of 5.6 Lakh per annum by Gabreial Technologies Pvt Ltd. Our aim is primarily to assist our students to become employment generators rather than job seekers. In order to extent our support Sathak Innovation Incubation Foundation registered under section 8 companies act and form 12 for tax exemption approved by Govt. of India. It will provide the pathway for our students to support and establish Startups, Incubation, Entrepreneur activities. In-house foreign language training classes is in the process of starting in this academic year for German and Japan languages. GATE, GRE, TOEFL and other Public service examinations trainings are likely to start in the forth coming academic years. Product Development activities have been initiated with industrial tie ups like Open Wave Computing Pvt Ltd, and Gowatr made in this academic year. In addition space given for the industry Precision Instruments Electronics Madras Pvt Ltd and DNA Engineering LLP a start up stated their operation inside our campus in this academic year.

We have established good relationship with leading industries through MOU's for mutual benefit in Education, Training, Scientific, Industrial Research and Project Consultancy. Eminent Personalities from leading industry and Institute are regularly invited to address the students to provide awareness on projects, trends and developments in current technology. This initiative has opened up avenue to 25% of our students got the internship opportunity with stipend, in addition they would undertake industrial consultancy projects from the reputed industries.

We, at MSAJCE have given equal emphasis to both teaching and research, which are the twin academic concerns of any educational institution of repute. A wide variety of research is being carried out by our faculty as it is evident from total of 44 scientific and technical papers published in Scopus, SCI and Web of Science journals and 3 patents & 10 Copy rights has filed in this academic year. The college has received projects TNSCST Govt. of Tamilnadu for the proposal submitted by our faculty and students. As a part of the academic research around 20 faculty members pursuing their research work under various universities of repute.



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For the betterment of faculty around 61 faculty members were sponsored to participate in FDP organized by various institute of repute and 12 programs were organized internally for the betterment of technical and non teaching staff.

Technology has to be constantly upgraded to keep pace with the desired improvements in academic quality. To facilitate greater learning experience in the campus, the college invested hugely in providing facilities such as new laboratories, software's, COEs / Industry oriented labs, Incubation center, enhanced the facilities of library in this academic year. In addition, we got approval from AICTE under KARMA Scheme for 6 Skill development courses

1. Computer Hardware and Networking
2. Artificial Intelligence and Machine Learning
3. 3 D Printing and Additive Manufacturing
4. Refrigeration and Air Conditioning
5. Embedded System
6. Architectural Drafting and 3D Design.

As a part of institutional social responsibility initiative the following activities are organized in the academic year 2018 -2019.

1. Career guidance program will be conducted every year to create awareness about higher Education at 100+ Schools in various districts of Tamilnadu
2. Nimbus workshop will be conducted for the + 2 students to have the better perspective about Engineering Education in the month of June - every year.
3. Algorhythm - Carnival of Science Project Exhibition for 10th, 11th and 12th students organized on National Science Day to enable them to have better knowledge about science subjects through simple working models and applications. In this academic year around 700+ students from Chennai, Kancheepuram and Thirvallur Dist students were participated.
4. Tech Jumboree Project Exhibition Version 2.0 for Polytechnic students organized to enable them to have better knowledge about science subjects through simple working models and applications. In this academic year around 900+ students from various parts of Tamilnadu were participated.
5. I am glad to submit that we inculcate in our students the spirit of service to the needy sections of society; Our NSS unit organized Cleanliness awareness camp, Avoidance of plastics, Blood



Donation Camp, Dental camp, Medical camps and Tree plantation camps in the adopted villages and our campus.

I take enormous pride in recognizing the contribution of the teaching faculty. All these achievements are the results of the concerted efforts of our faculty members. They put in a lot of efforts to mold each student and they hold themselves to the highest academic standards.

MSAJCE provides academic ambience through inspiration, fosters enthusiasm and motivation so as to realize challenging and rewarding career pathway to the students. Our unwavering commitment to "Quality and experiential learning" ensures that our students develop abilities for critical thinking and evaluation of issues; they are trained to transform 'Concepts and Theoretical Knowledge in to Real time systems'. Besides these, our students are molded to be socially aware and become responsible citizens to make effective contributions towards 'Societal transformation and Nation building'.

When we look back on the path we have traversed, we notice that we have much more to accomplish. Our forward march in the field of technical education and research continues pushing us on to reach greater realms.

I wish to express our gratitude to the management for the vision, support and steady encouragement in all our endeavors. My sincere thanks to all the faculty members for their whole hearted cooperation and team dynamics in all our accomplishments to become premier institution in the state.

Once again, I wish to express our gratefulness to our distinguished chief guest, Guest of Honor and our Director for gracing this occasion.

We congratulate all the winners and wish them continuing success in all the future endeavors.

Thank You !

Dr.K.S.Srinivasan

Principal



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