



ACS College of Engineering

(Approved by AICTE, New Delhi, Govt. of Karnataka & Affiliated to Visvesvaraya Technological University, Belgaum)

Sponsored by : **MOOGAMBIGAI CHARITABLE AND EDUCATIONAL TRUST**



ANNUAL REPORT : 2016-2017

Moogamibigai Charitable and Educational Trust, was founded in 1992 by our founder Chairman **Dr. A. C. Shanmugam, B.A., LLB, FIMSA, FRCPS (Glasgow, UK)**, his pioneering vision and mission has contributed for the establishment of valued educational institutions. ACSCE was established in the year 2009 with a motto "To Create Job creators not job seekers" with the main objective of Promoting Higher Education in Karnataka.

ACS College of Engineering was accredited "A" Grade by NAAC and for 4 Engineering Departments viz. Computer Science and Engineering, Civil Engineering, Electronics and Communication Engineering and Mechanical Engineering by NBA.

ACS College of Engineering, an institution of academic excellence with a cherished desire to serve the cause of humanity through education. This college is affiliated to Visvesvaraya Technological University, Belagavi and has been approved by the All India Council of Technical Education, New Delhi. The College offers technical education in Under Graduate Engineering AICTE approved programmes in 7 disciplines including new age ones such as Aeronautical Engineering, Bio-Medical Engineering, Civil Engineering, Computer Science & Engineering, Electronics & Communication Engineering, Electrical and Electronics Engineering and Mechanical Engineering, along with 4 PG programmes - Software Engineering in Computer Science & Engineering, Structural Engineering in Civil Engineering, Digital electronics and communication systems in Electronics & Communication Engineering and Product Development & Management in Mechanical Engineering.

ACSCE equips its students not only with the technical knowledge to enable them to meet the challenges of global standards but also integrates value education, environmental awareness and communication skills into its curriculum to mould the students as responsible citizens.

ACSCE has been imparting quality education through outcome and value-based education systems. It has kept pace with an increasingly globalized India by constantly upgrading its

Campus

207, Kambipura, Mysore Road, Bengaluru - 560 074
Ph: 080 - 2974 8222, 2974 8333 Fax: 080 - 2974 9988
E-mail: info@acsce.edu.in, principal@acsce.edu.in

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infrastructure, providing state-of-the-art research facilities and equipping students with the latest technological knowledge.

During the Academic year 2016-17, 311 students were admitted for UG and for PG course, 46 students were admitted. During this academic year pass percentage of our students 94%. Total number of 271 students obtained their degree.

In this year more than 50 companies like Infosys, TCS, WIPRO, NTT DATA, HexaWare, PHILIPS, Mind Tree, Cognizant, IBM, Cerner, Verizon, VM ware, Reddonatura, Aero Design Solutions, Q-spiders Grass Root, Gen Works Health Pvt. Ltd, Panacea Medical Technologies, Bangalore Medical Systems Pvt. Ltd. Cap Gemini Health Care, Global Medical Systems, Auto Desk Medini Technologies visited our campus for student recruitment.

Around 36 Journal papers and 18 Book chapters are published during this year and around 10 patents are filed. 38 Professional Faculty Development Programmes (FDP's) was organized by the Institution. Totally 75 faculty members of our institution attended the FDP during this year.

Total number of approved projects was 11 and fund received was around 9.725 Lakh for carrying out research activity. Institution organised 9 activities around 852 students participated in the activities.

Activities conducted at the Institution

ACS College of Engineering celebrates/conducts various activities viz. National programs, festival programs, programs under NSS/YRC and seminar, workshops & conferences.

Independence Day and Republic Day was celebrated on 15th August and 26th January at the institute. Management representatives, Principal, faculty, staff and students attended the program. The flag was hoisted by the chief guest along with the principal and management. The chief guest addressed the gathering regarding the importance of independence and remembered the freedom fighters who fought to make independent India.

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It is a custom at ACS College of Engineering to celebrate Ganesha and Ayudha pooja every year. The students, staff, principal and management involve actively and perform the pooja. Sweets and light refreshments are distributed to one and all.

Under NSS & Youth Red Cross various events were organized namely Computer training for the orphanage children on 27th February 2016, Swacch Bharat mission & environmental awareness on 9th March 2016, Voluntary blood donation camp in association with Lions club, Bangalore – South on 23rd March 2016, Tree plantation camp on 23rd August 2016 – around 75 saplings were planted in and around ACS College of Engineering, Eye donation awareness camp in association with Rajarajeshwari Medical College and Hospital, Bangalore on 24th August 2016 – about 150 students pledged their eyes. For the newly joined students of first year, awareness program regarding the academics, university and other activities was organized under induction program.

Sports and cultural events are organized every year for exhibiting the talents of the students. Sports day was organized on 23rd - 24th March 2017 & 7th – 8th April 2017 respectively. The sports events included Cricket, football, kabbadi, basketball, volleyball, athletics and indoor games. Cultural program included Group dance, singing, Mad Ads, Skit, Fashion show, Rangoli, cooking without fire, miming, face painting, hair styling etc. Also Chairman's trophy function was organized during 16th September 2017 which involved many sports and cultural activities for the students, staff and faculty of RRGI.


IQAC Coordinator


Principal

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ACSCE equips its students not only with the technical knowledge to enable them to meet the challenges of global standards but also integrates value education, environmental awareness and communication skills into its curriculum to mould the students as responsible citizens.

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ACSCE has been imparting quality education through outcome and value-based education systems. It has kept pace with an increasingly globalized India by constantly upgrading its infrastructure, providing state-of-the-art research facilities and equipping students with the latest technological knowledge.

During the Academic year 2017-18, 334 students admitted for UG and for PG course 16 students were admitted. During this academic year pass percentage of our students 92%. Total number of 232 students obtained their degree.

In this year more than 40 companies like Infosys, TCS, WIPRO, NTT DATA, HexaWare, PHILIPS, Mind Tree, Cognizant, IBM, Cerner, Verizon, VM ware, Reddonatura, Aero Design Solutions, Q-spiders Grass Root, Gen Works Health Pvt. Ltd, Panacea Medical Technologies, Bangalore Medical Systems Pvt. Ltd. Cap Gemini Health Care, Global Medical Systems, Auto Desk Medini Technologies visited our campus for student recruitment.

About 38 Journal papers and 44 Book chapters are published during this year. As well 10 patents are filed. 36 Professional Faculty Development Programmes (FDP's) was organized by the Institution. Around 98 faculty members of our institution attended the FDP during this year.

Approved projects of 8 nos. were funded with 5.69 Lakhs for carrying out research activity. Institution organised 12 activities among 872 students participated.

Activities conducted at the Institution

ACS College of Engineering celebrates/conducts various activities viz. National programs, festival programs, programs under NSS/YRC and seminar, workshops & conferences.

Independence Day and Republic Day was celebrated on 15th August and 26th January at the institute. Management representatives, Principal, faculty, staff and students attended the program. The flag was hoisted by the chief guest along with the principal and management.

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The chief guest addressed the gathering regarding the independent and republic India and encouraged the young students to serve the nation by joining the armed forces.

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Under NSS & Youth Red Cross various events were organized namely road show to create awareness of environmental pollution was organized on 17th October 2017 – “Say No to Crackers” rally in Kengeri Upanagar, Bangalore. For the newly joined students of first year, awareness program regarding the academics, university and other activities was organized under induction program.

Sports and cultural events are organized every year for exhibiting the talents of the students. Sports day was organized on 5th -6th April 2018 & 7th – 8th April 2018 respectively. The sports events included Cricket, football, kabbadi, basketball, volleyball, athletics and indoor games. Cultural program included Group dance, singing, Mad Ads, Skit, Fashion show, Rangoli, cooking without fire, miming, face painting, hair styling etc. Chairman’s trophy was organized for students, faculty and staff of the RRGI. ACS College of Engineering organized two day VTU inter collegiate south zone hand ball tournament for Men on 13th & 14th April 2018.


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infrastructure, providing state-of-the-art research facilities and equipping students with the latest technological knowledge.

ACS College of Engineering during the Academic year 2018-19, 335 students admitted for UG and for PG course 15 students were admitted. During this academic year pass percentage of our students 92%. Total number of 214 students obtained their degree.

In this year more than 60 companies like Infosys, TCS, WIPRO, NTT DATA, HexaWare, PHILIPS, Mind Tree, Cognizant, IBM, Cerner, Verizon, VM ware, Reddonatura, Aero Design Solutions, Q-spiders Grass Root, Gen Works Health Pvt. Ltd, Panacea Medical Technologies, Bangalore Medical Systems Pvt. Ltd. Cap Gemini Health Care, Global Medical Systems, Auto Desk Medini Technologies visited our campus for student recruitment. Total 85 students of our college are placed in various reputed organizations. Selected students reported for their duty.

Around 42 Journal papers and 57 Book chapters are published during this year and about 10 patents are filed. 41 Professional Faculty Development Programmes (FDP's) organized by the Institution. Total 98 FDP attended by our Institution faculty during this year. Total number of approved projects-10 and fund received 11.61 Lakhs for carrying out research activity. Institution organised 17 activities among 902 students participated.

Activities conducted at the Institution

ACS College of Engineering celebrates/conducts various activities viz. National programs, festival programs, programs under NSS/YRC/UBA and seminar, workshops & conferences.

Independence Day and Republic Day was celebrated on 15th August and 26th January at the institute. Management representatives, Principal, faculty, staff and students attended the program. The flag was hoisted by the chief guest along with the principal and management. The chief guest addressed the gathering regarding the independent and republic India and encouraged the young students to serve the nation by joining the armed forces.

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ACS College of Engineering was recognized as one of the PI's under Unnat Bharat Abhiyan (UBA), a flagship program under MHRD for transformational change in rural development. Five villages from Ramangara district were adopted and several programs were conducted. Under NSS, Youth Red Cross & UBA various events were organized namely tree plantation camp on 4th September 2018, – around 110 saplings were planted by about 100 volunteers in and around & road side of ACS College of Engineering, blood donation camp was conducted on 25th September 2018 in collaboration with Rajarajeshwari Medical College and Hospital, Rashtrottana blood bank & Red cross – around 80 volunteers assisted the camp and 131 units of blood were collected, Under Swachh Bharath Abhiyan around 120 volunteers cleaned the ACSC campus and RRMCH Bus stop , one week health awareness camp was organized under NSS **Kshema Mind Care, Bhimanakuppe village, Chellaghatta, Kumbalgudu Grama Panchayat, Bengaluru – health awareness, Cleaning and watering the plants & trees**, Education and cleanliness awareness for orphanages, Election awareness – voting awareness and swachattha program was done. For the newly joined students of first year, awareness program regarding the academics, university and other activities was organized under induction program. Sports and cultural events are organized every year for exhibiting the talents of the students. Sports day was organized on 26th - 27th April 2019 & 28th – 29th April 2019 respectively. The sports events included Cricket, football, kabbadi, basketball, volleyball, athletics and indoor games. Cultural program included Group dance, singing, Mad Ads, Skit, Fashion show, Rangoli, cooking without fire, miming, face painting, hair styling etc. Chairman's trophy was organized for students, faculty and staff of the RRGI.


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ACS College of Engineering during the Academic year 2019-20, 307 students admitted for UG and for PG course 16 were admitted. During this academic year pass percentage of our students 94%. Total number of 270 students obtained their degree.

In this year more than 90 companies like Infosys, TCS, WIPRO, NTT DATA, HexaWare, PHILIPS, Mind Tree, Cognizant, IBM, Cerner, Verizon, VM ware, Reddonatura, Aero Design Solutions, Q-spiders Grass Root, Gen Works Health Pvt. Ltd, Panacea Medical Technologies, Bangalore Medical Systems Pvt. Ltd. Cap Gemini Health Care, Global Medical Systems, Auto Desk Medini Technologies visited our campus for student recruitment.

Around 34 Journal papers and 34 Book chapters are published during this year and about 8 patents are filed.

72 Professional Faculty Development Programmes (FDP's) organized by the Institution. Total 110 FDP attended by our Institution faculty during this year. Total number of approved projects-12 and fund received 16.58 Lakhs for carrying out research activity.

Institution organised 20 activities among 972 students participated.

Activities conducted at the Institution

ACS College of Engineering celebrates/conducts various activities viz. National programs, festival programs, programs under NSS/YRC/UBA and seminar, workshops & conferences.

Republic Day was celebrated on 26th January at the institute. Management representatives, Principal, faculty, staff and students attended the program. The flag was hoisted by the chief guest along with the principal and management. The chief guest addressed the gathering and enlightened about NCC, Scouts & guides. He also told to show the concern towards the nation and motivated the students to join armed forces.

It is a custom at ACS College of Engineering to celebrate Ganesha and Ayudha pooja every year. But due to COVID 19, the Ganesha and Dasara festivals was not performed.

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Under UBA/NSS online webinars for the students was conducted on New Education Policy (NEP) department wise. Also, involving the teachers of the schools in the adopted villages under UBA awareness regarding the New Education Policy (NEP) was delivered online. Due to COVID19 pandemic all the Sports and cultural events were cancelled. As per the GOI/GOK instructions and instructions from the Visvesvaraya Technological University, the classes for the students were conducted online. All the standard SOP rules as per the instructions were followed by the institute. The meetings with students and parents were conducted online and information regarding the university circulars and notifications was conveyed.

To impart and update the technical knowledge, ACS College of Engineering has established Center for Test and Data Sciences (CTDS), which is for real time industry projects, internships, sponsored research from companies and government agencies and technology training and Institution's Innovation Council (IIC) under the guidelines by Ministry of Human Resource Development (MHRD), Govt. of India and 'MHRD's Innovation Cell (MIC)' to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs). MEI's has envisioned encouraging creation of 'Institution's Innovation Council (IICs)' across selected HEIs. The primary mandate of MIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes while they are in formative years. A network of these IICs will be established to promote innovation in the Institution through multitudinous modes leading to an innovation promotion eco-system in the campuses. It's our proud privilege to announce that ACS College of Engineering, Bangalore is selected as a member of MHRD's Innovation Cell in SWRO Zone.

Under CTDS several online webinars, virtual Internships, digital learning, soft skill programs, virtual workshops and online assessments were conducted.

Under IIC several programs were conducted namely, Workshop on "Entrepreneurship and Innovation as Career Opportunity" on 27/09/2019, "Workshop on Problem Solving in

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Innovations” on 29/03/2019, “Work shop on Design Thinking Skills” on 18-10-2019, “Innovation Day Campaign: Celebrate Innovation Day on 15th October 2019” on 15/10/2019, “Motivational speak by entrepreneurs” on 19-11-2019, “Workshop on National Innovation and Startup policy” on 16/12/2019, “Smart India Hackathon” on 10/01/2020, “Innovation Ambassador Training program for SWRO Institutions” on 26/02/2020 and 27/02/2020, “Expert Talk: Hangout with Successful Start-ups” on 04/03/2020, “Webinar & Ideathon on 5G” on 23/04/2020, “Webinar on novel ideas to prevent corona virus” on 24/04/2020 and “National Innovation and Startup Policy for Students and Faculty 2019 - A Guiding Framework for HEIs for Implementation” on 28/04/2020.


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Mechanical Engineering. ACSCE equips its students not only with the technical knowledge to enable them to meet the challenges of global standards but also integrates value education, environmental awareness and communication skills into its curriculum to mould the students as responsible citizens.

The Institute has a strong anti ragging committee which is very proactive in looking after the whole college 24X7 including hostels.

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ACS College of Engineering during the Academic year 2020-21, 279 students admitted for UG and for PG course 16 were admitted. During this academic year pass percentage of our students 95%. Total number of 282 students obtained their degree.

In this year more than 46 companies like Infosys, TCS, WIPRO, NTT DATA, HexaWare, PHILIPS, Mind Tree, Cognizant, IBM, Cerner, Verizon, VM ware, Reddonatura, Aero Design Solutions, Q-spiders Grass Root, Gen Works Health Pvt. Ltd, Panacea Medical Technologies, Bangalore Medical Systems Pvt. Ltd. Cap Gemini Health Care, Global Medical Systems, Auto Desk Medini Technologies visited our campus for student recruitment. Around 41 Journal papers and 53 Book chapters are published during this year and 08 patents are filed. 93 Professional Faculty Development Programmes (FDP's) organized by the Institution. Total 120 FDP attended by our Institution faculty during this year. Total number of approved projects-20 and fund received 44.96 Lakhs for carrying out research activity. Institution organised 28 activities among 1120 students participated

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Independence Day and Republic Day was celebrated on 15th August and 26th January at the institute. Management representatives, Principal, faculty, staff and students attended the program. The flag was hoisted by the chief guest along with the principal and management. The chief guest addressed the gathering and motivated the students to help the needy especially during the pandemic situation.

It is a custom at ACS College of Engineering to celebrate Ganesha and Ayudha pooja every year. The students, staff, principal and management involves actively, performs the pooja. Sweets and light refreshments are distributed to one and all. Due to COVID19 pandemic all the Sports events were cancelled, but the cultural events were conducted virtually during 16th & 17th July 2021. Students participated in various events like Rangoli, singing, painting etc. As per the GOI/GOK instructions and instructions from the Visvesvaraya Technological University, the classes for the students were conducted. All the standard SOP rules as per the instructions were followed by the institute.

Under NSS, Youth Red Cross & UBA various events were organized namely national voter's day on 25th January 2021 at the college as per the instructions from the university. Students took pledge to vote without any fear in the upcoming elections. Voluntary blood donation camp was organised in association with Rajarajeshwari Medical College and Hospital, Rashtrottana blood bank & Lions club on 19th March 2021 - around 100 volunteers assisted the camp and 83 units of blood were collected. Under NSS, Youth Red Cross & UBA, Vaccination drive was conducted in with association BBMP Primary Health Center, Kumbalagodu on 02/07/2021 and 09/07/2021. Around 600 students, faculty, staff and localities from surrounding were administered the vaccination.

To impart and update the technical knowledge, ACS College of Engineering has established Center for Test and Data Sciences (CTDS), which is for real time industry projects, internships, sponsored research from companies and government agencies and technology training and Institution's Innovation Council (IIC) under the guidelines by Ministry of Human Resource Development (MHRD), Govt. of India and 'MHRD's Innovation Cell

Campus

207, Kambipura, Mysore Road, Bengaluru - 560 074
Ph: 080 - 2974 8222, 2974 8333 Fax: 080 - 2974 9988
E-mail: info@acsce.edu.in, principal@acsce.edu.in

www.acsce.edu.in



ACS College of Engineering

(Approved by AICTE, New Delhi, Govt. of Karnataka & Affiliated to Visvesvaraya Technological University, Belgaum)

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(MIC)' to systematically foster the culture of Innovation amongst all Higher Education Institutions (HEIs). MEI's has envisioned encouraging creation of 'Institution's Innovation Council (IICs)' across selected HEIs. The primary mandate of MIC is to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes while they are in formative years. A network of these IICs will be established to promote innovation in the Institution through multitudinous modes leading to an innovation promotion eco-system in the campuses. It's our proud privilege to announce that ACS College of Engineering, Bangalore is selected as a member of MHRD's Innovation Cell in SWRO Zone. Under CTDS several online webinars, virtual Internships, digital learning, soft skill programs, virtual workshops and online assessments were conducted. Under IIC various events were conducted namely, Innovation day on behalf of Dr. APJ Kalam Birthday on 18/10/2020, Workshop on "Entrepreneurship and Innovation as Career Opportunity" on 26/11/2020, My Story - Motivational Session by Successful Innovators on 27/11/2020, Session on Problem Solving and Ideation Workshop on 28/11/2020, Workshop on Design Thinking, Critical thinking and Innovation Design on 14/12/2020, Workshop on Entrepreneurship Development Phases on 24/12/2020, Orientation session for all students & faculties of Institute by Innovation Ambassador on 28/12/2020, Orientation Session on National Education Policy (with a focus on Innovation and entrepreneurship) on 30/12/2020, Design Validation through various model of design validation on 13/01/2021, Leadership Talk on Women Entrepreneurship and Empowerment on 8/3/2021, Session/ Workshop on Business Model Canvas (BMC) on 10/3/2021, Workshop on Prototype/Process Design and Development – Prototyping on 28/4/2021, Session on Prototype Validation - Converting Prototype into a Startup on 22/5/2021, Organised Session on "Lean Start-up & Minimum Viable Product/Business on 28/05/2021 & Session on Building an Innovation/ product fit for market 29/5/2021.


IQAC Coordinator


Principal

Campus

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E-mail: info@acsce.edu.in, principal@acsce.edu.in

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