



the innovative **learning**



## ACS COLLEGE OF ENGINEERING



NAAC 'A' Accredited



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PROSPECTUS



## ACS COLLEGE OF ENGINEERING

(A unit of RajaRajeswari Group of Institutions)

Next to RajaRajeswari Medical College & Hospital



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Accredited by NBA



International Accredited by HLACT

Approved by AICTE, New Delhi, Govt. of Karnataka, Affiliated to VTU, Belagavi

[www.acsce.edu.in](http://www.acsce.edu.in)





## Vision

Engineering the future of the nation by transforming the students to be technically skilled managers, innovative leaders and environmentally respective citizens.

## Mission

- To implement holistic approach in curriculum and pedagogy through Industry Integrated Interactions to meet the needs of Global Engineering Environment.
- To develop students with knowledge, attitude and skill of employability, entrepreneurship (Be Job creators than job seekers), research potential and professionally ethical citizens.

## Quality Policy

ACS College of Engineering is Committed to:

- Provide Quality Technical Education in Undergraduate, Post Graduate and Doctoral fields as per the university syllabus and beyond in strict compliance with AICTE requirements and Industrial needs through industry institute interaction.
- The quality Education encompasses the needs and expectations of all interested stake holders with a strong focus on student centric approach and providing them 360° exposure and making them globally competitive.
- The main focus would be to enrich the students with character and make them employable and successful in their lives by inculcating life employability, entrepreneurship skills and provide ethical values, ensuring that our institution creates employers not employees.
- We will strive consistently to achieve these through building competencies among faculties and students and continual improvement of the QMS.

## The Character to Inspire

“To make our country great, self-supporting and strong, work hard, work harder, work with efficiency, work in a co-operative and work with a team spirit.”

- Sir M. visvesvaraya



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# MESSAGE FROM THE CHAIRMAN

The ACS College of Engineering, since the time of its inception has been instrumental in revolutionizing the development of technical skills along with managerial propensity through latest innovative teaching methods and infusing a value system in order to create dynamic leaders of the future.

Exposing the young and budding engineers to the world of latest technology, ACS College of Engineering provides the appropriate platform and the right kind of ambience to instill within the burgeoning engineers, the desired kind of professional attitude, traits and aspirations.

The intensive focus in the field of education has for sure created immense opportunities for the Engineering students, thus enabling them to seek propitious careers. The commitment towards personal concomitant students betterment has resulted in the provenience of ACS College of Engineering.

ACS College of Engineering provides highly innovative, skill based university affiliated courses which accredit the young generation to get the right career break in the desired fields. The institution not only provides quality education to the students but also groom them to face life with immense confidence. The Education imparted here not only focuses on academic enrichment but also nurtures complete development of personality of the individual who becomes an integral part of it.

**Dr. A.C.Shanmugam**, Chairman  
B.A., L.L.B, FIMSA, FRCPS (Glasgow, UK)

# MESSAGE FROM THE VICE-CHAIRMAN

Education is presently undergoing a welcome seismic change. In tune with the changing time, ACS College of Engineering aim to help students to excel in the various fields of study of their choice.

In the field of education, ACS College of Engineering is looking at engaging the students in overall developmental processes. We have designed co-curricular and extracurricular activities for the students to be involved actively. The dedicated staff is devoted to the task of incorporating latest teaching methods with modern equipments and electronic gadgets for the benefit of the students. These proactive teaching methodologies have resulted in higher performance in examinations and academic activities.

The main focus of our Institutions is to empower students with sound knowledge, wisdom, experience and training both in the academic level and in the highly competitive global industrial market. The infrastructure facilities and state-of-the-art equipments contribute to an enjoyable and an easy learning experience. Adequate care is taken to give every student an enjoyable well-rounded and secure educational environment. We wish the best for our students and along with the staff and professors at ACS College of Engineering, we aim at providing the best facilities in both academics and extra curricular field.

**Sri. A.C.S. Arun Kumar**, Vice Chairman  
B.Tech (Hons)., LMISTE., MIET.,(UK)., LMCSI.,

*Welcome to ACSCE because  
it is the launching pad of success.*

**Sri. A.C.S. Arun Kumar**, Vice Chairman  
B.Tech (Hons)., LMISTE., MIET.,(UK)., LMCSI.,



**Dr. A.C.Shanmugam**, Chairman  
B.A., L.L.B, FIMSA, FRCPS (Glasgow, UK)





## ACSCE hallmark



## Why Should I be interested in ACSCE

ACS College of Engineering, an **NAAC –A–**, **NBA accreditation, ISO 9001:2000 and HACT (UK) certified** institution, is one of the foremost institutions founded by **Dr. A.C.Shanmugam, Chairman, B.A., L.L.B, FIMSA, FRCPs (Glasgow, UK)**, Moogambigai Charitable and Educational Trust. The College was established in the year 2009 and has been fuelling the aspirations of the youth.

The ACS College of Engineering is situated at about 15 km from Bangalore Railway Station and 25 km from Airport. The campus is spread over 6 acres of land, utilized for the College, Hostels, Staff Quarters, Play Fields and Gardens.

More than 50% faculty members are pursuing research programmes leading to Ph.D degrees. The college is extremely proud of its alumni, a considerable number of them being entrepreneurs or senior executives in industries within India and abroad.

The college has signed MOUs with research organizations and industries in order to promote closer interaction with other institutions in the areas of Engineering development, training of students, curriculum updating and development of state-of-art centers.



The College today has student strength of around **1200 with 8 Engineering departments** besides basic sciences and humanities department. Among the various Under-Graduate and Post-Graduate programmes offered by the college, as many as 5 programmes were accredited by the National Board of Accreditation of AICTE. The departments are greatly benefited by the expertise of more than 33 doctorates. Each department conducts annually at least one National / International Conference / Seminar / Workshop for effective dissemination of state-of-art technologies and research findings for the benefit of teaching faculty and industries. On an average every year, five short term programmes on current topics of interest are conducted for the teaching faculty from other colleges with funding from DST/ISRO/VGST/MNRE/ and other agencies.



# Programs Offered



## The Complete Professional Experience

The programmes of the college are recognized all over India and abroad. The college maintains close interaction with several R&D Institutions and institutions of higher learning in India and abroad, through institutional network programmes and collaborative research programmes. It also has close collaborative links with industries in the fields of Automotive, Aerospace, Defense and Software Development and Consumer durables.

### UNIQUE COURSES - B.E

- AERONAUTICAL ENGINEERING
- AEROSPACE ENGINEERING
- BIOMEDICAL ENGINEERING

### CORE COURSES - B.E

- COMPUTER SCIENCE & ENGINEERING
- CIVIL ENGINEERING
- ELECTRONICS & COMMUNICATION ENGG.
- MECHANICAL ENGINEERING

#### Eligibility for Admission

##### B.E PROGRAMS

Pass in PUC or 10+2 equivalent examination with minimum of 45% (40% for SC / ST and OBC groups) marks aggregate in Physics, Mathematics and any one of the following subjects – Biology/Chemistry/Computer Sciences / Electronics.

### PG PROGRAMS - M. Tech

- PRODUCT DESIGN & MANUFACTURING (MECH)
- STRUCTURAL ENGINEERING (CIVIL)
- AERONAUTICAL ENGINEERING (AE)

#### Eligibility for Admission

##### M.Tech (PG) PROGRAMS

Pass in recognized Bachelor's degree in any discipline with a minimum of 50% (45% for SC / ST and OBC groups) marks in aggregate.

For admissions under GATE/ PG CET qualification and Roaster system of Govt. of Karnataka: The candidates should be GATE qualified or should have appeared for the Entrance Examination conducted by an authority recognized by Govt. of Karnataka (PG CET) / VTU / any other University on approval by Govt. of Karnataka.

### RESEARCH PROGRAMS

- Ph.D in all VTU AFFILIATED PROGRAMS

# ACSCE Campus



The potential that exists within an individual can bloom or shrivel depending upon the environment. We have laid emphasis on creating not just the infrastructure but the ambience as well to help minds bloom to the fullest.

True achievement is possible only when the core is solid. Engineering skills are built around a solid understanding of the fundamentals of all scientific knowledge. Our departments, labs and classrooms provide students with a base that stands them in goodstead as they develop specialized knowledge needed for each discipline of engineering.





# ACSCE Campus

## Green Campus

Over 60% of ACSCE Campus is dedicated for nature without construction intervention in sync with its eco-friendly stance. Recycling of waste water, Rainwater harvesting, extensive use of Solar Energy for Hostel and carefully planned landscapes add to the nature-wealth of the campus.

## Laboratories & Workshops

The Laboratories and Workshops in the campus are fully equipped with state-of-the-art learning equipment. The resources extend to trained assistants, samples and consumables. Virtual instrumentation and simulations are provided wherever necessary to take the students into higher realms of learning.

## Smart Classrooms

Smart classrooms in the campus with an array of hi-tech seating, teaching, audio and visual equipment such as White Boards, LCD Projectors, Computers, Digital Storage devices, DVD/CD/Tape Players, enable a learning process which is smooth and efficient.

## Conferencing Facilities

To have a meaningful & joyful environment and to conduct various symposium / seminar / conference college has got auditorium with well furnished public address system with a seating capacity of 1000 in campus and ACS Convention Center with 5000 seating capacity with exclusively 6 seminar hall with 100 capacity.



Campus



ACS Convention Hall

## Accommodation

We have separate, well furnished hostels with attached bathroom for boys and girls. A well maintained, hygienic Mess facility is available round the clock. Each hostel has a capacity of accommodating 300 students with a choice of individual and shared rooms. Clean and airy rooms with beds, wardrobes, study tables and chairs. A common room with recreational facilities, laundry facilities and mess facilities are features of each of the hostels, besides a visitors room.

## Transportation

The college has its own fleet of buses that ply to and from various vantage points in the city. It is to facilitate easy travel for the students and staff residing outside the college campus. Additionally the college has the advantage of being well connected to the BMTC bus services and a major station of the under commission. Metro railway is just a few minutes away from the college.

## Sporting Facilities

We encourage students to involve in extracurricular activities for their holistic personal developments. ACS has recreational excellent facilities for sports including gymnasium, swimming pool, tennis courts, basketball court, volleyball court, athletic tracks and a spacious ground for sports such as football, cricket and hockey.



Boys Hostel



Spacious Dining Hall



Computer Lab

# Facilities for Champions



Class Room



Sprawling Swimming Pool



Seminar Hall



Multi Facility GYM



World Class Cricket Ground



# Library & Information Center



## Exclusive Features of ACSCE Library

- Qualified, Trained, Knowledgeable, Student-friendly Library Staff.
- Bar coded for digital management.
- Online Public Access Catalog (OPAC) gateway for library collection.
- Integrated library management.
- IEEE-IEL Online, Elsevier (Science Direct) Springer e-Journals, ASCE, ProQuest, Taylor & Francis, K-Nimbus: Digital platform, Cloud Based Remote Access for online knowledge resource.
- Membership with Institutional libraries.
- Question Paper Banks, Project Reports, Audio Video Material, e-Recourses and digital databases.
- Fully automated kiosks for Content Verification, Availability, Reservation, etc.
- Extended working hours for student convenience.
- NPTEL videos.

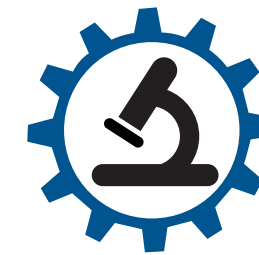
A spacious, well-lit library stocks over 19000 volumes, around 15 International Journals & around 47 National Journals on a range of relevant subjects. A digital section and reprographic facilities add to students convenience. Department library is one of the important resource centers in all departments serving both students and faculty. Trained and experienced librarians assist the students with point-of-use instructions, help in sourcing and selecting research literature and other reference services. The library provides an environment that is both stimulating and relaxing for academic exercise.

The library offers services such as Reference Service, Referral Service, User Guidance Service, Circulation Service etc..

Digital Library



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## M.Tech (PG) Programs



### Product Design & Manufacturing (Mechanical)

The primary objective of the programme is to train the students in Designing and developing products by imparting broad based training on the state of the art engineering design methods analysis tools and manufacturing processes. With this training we expect the students to become powerful practitioners of product designers.

### Structural Engineering (CIVIL)

Right now constructions industry is booming as there is growth in infrastructure requirement throughout the country. This stream deals with the following major areas: advanced structural mechanics, finite element analysis, structural dynamics, structural stability, structural reliability, structural optimization, reinforced and pre-stressed concrete, steel structures, design for wind and earthquake, plates and shells, bridges, tall buildings, towers, computer applications in structural engineering, masonry structures, composite structures.

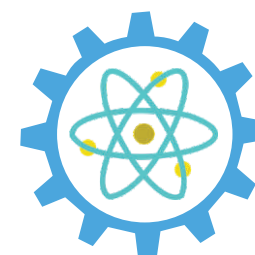
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## INTRODUCTION

The Department of Basic Science & Humanities was started in 2009 during the inception of the Institution. The Department of basic science have highly qualified, dedicated and committed faculty members. Most of the faculty members are doctorate holders and the other faculty members are pursuing for their Ph.D degrees. The Department of basic science offers courses for first and second year undergraduate students of all branches. The Department of physics and chemistry have well equipped sophisticated labs.

The Department of basic science has student's club "MATHXPLORE" and "Basic Science Forum". The main focus of the club is to provide a unique platform for all branches of students to exhibit their innovative ideas and creativity. The NSS activities like Blood Donation camp, World Environment Day, Green environment activities are also being conducted for the students to create the awareness of their social responsibilities to the society.



## Department of BASIC SCIENCES



### DEPARTMENT OF PHYSICS

It is one of the pioneers in nurturing students towards academic excellence by providing an tremendous platform to learn and enhance the core competence in Physics. A strong foundation and awareness of advanced concepts of various engineering disciplines is essential for the students. To cater to the needs of all the students the department has well qualified, highly experienced and dedicated faculty members which include doctorates. The department is recognized as Research Center by VTU, Belgaum. Research programs of the department cover various thrust areas like nanoscience and nanotechnology, Thin/Thick film synthesis and characterization, Heavy meson spectroscopy, Hardon-Hardon interaction, Leptonic decay width, radiative decays.

### DEPARTMENT OF MATHEMATICS

The mathematics department has been built strongly due to its high concentration towards the student-teacher relationship. Apart from student orientation, the faculty has been participating in various conferences / workshops / seminars. Their main trust areas are graph theory and finite element method. Their motto is "The Universe can be read with only one language i.e. the language of Mathematics, and the geometrical figures are its alphabets."

### DEPARTMENT OF CHEMISTRY

The department handles Applied Chemistry (Theory and Practical) which is common among First year Engineering students across all branches. The Department houses well qualified experienced faculty with Ph.D Holders and others pursuing Ph.D and an extremely efficient lab technicians. The faculties have presented many research papers both in national and international journals and have been an active part of various conferences. The department is not based on just chemical bonds but also on bonding with the students.





## Department of AERONAUTICAL ENGINEERING

### INTRODUCTION

Silicon city Bangalore is a hub of various Aerospace industries. With an intention to fulfill the increasing demands of skilled manpower in these industries and hence to secure a deserving place for India amongst the elite nations, the Department of Aeronautical Engineering was established in the year of 2010. Department have highly experienced (ISRO, DRDO, NAL, HAL) and qualified faculties (IISC, IIT's). The AERONAUTICAL DEPARTMENT has a well established infrastructure and equipped laboratories. Adding feather to our cap, the department has received 26 lakhs funds from ISRO and other organizations for projects. A Great distinction indeed!

Course includes study in the areas of Aircraft Structures, Propulsion, Aerodynamics, Aircraft Performance, Stability and Control, Avionics, Aircraft Systems & Flight testing, various simulation and modelling techniques and Flight Vehicle Design concepts.



### COURSE OBJECTIVE

- ♦ To provide competitive and academic programs to produce technologists and professionals for national and global needs.
- ♦ To be a Centre for reference, research and consultation through smart partnership with industries and stake holders.
- ♦ Educate tomorrow's leaders through innovative educational programs and pedagogies that have as their context the conception, design, implementation and operation of systems.

### RECENT GRADUATE CAREERS

On successful completion of the course the student may get opportunities to join various Aero industries like NAL, ARDC, GTRE, HAL, ISRO, TCS, Goodrich, Satyam Mahindra, Safran Engineering Services etc. Also some of the international aircraft manufacturing industries are getting into INDIA like Boeing, Airbus, Harbin British Aircraft etc.

### ACHIEVEMENTS

- ♦ The student Rajashree. D from Aeronautical Department has secured 1st rank (Gold Medal) in the VTU examination 2015-2016.
- ♦ Ms. Lavanya secured 7th Rank in the VTU examination 2015-2016.
- ♦ Represented in Aero-modeling competition at IIT New Delhi, IIT Varanasi, IISC Kerala and won several Prizes.
- ♦ Ms Rajeshwari, Mr. Siddesh, Mr. Sanjay B.M and Mr. Keshav Have secured the 1st Prize in the Tech Flight competition held at Conscientia-2017 organized by Indian Institute of Space science and Technology – Thiruvananthapuram.
- ♦ MARS SUMMIT-2017 INTERNATIONAL CONFERENCE was conducted successfully. Astronauts across the Globe participated in this program and shared their experience.
- ♦ Over 300 candidates from different states participated in the Cansat Workshop organized by the department in association with SDNX.
- ♦ MOU's with around five Companies.

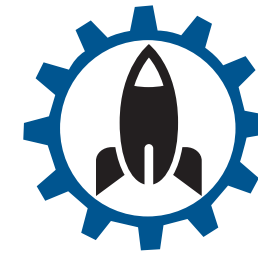
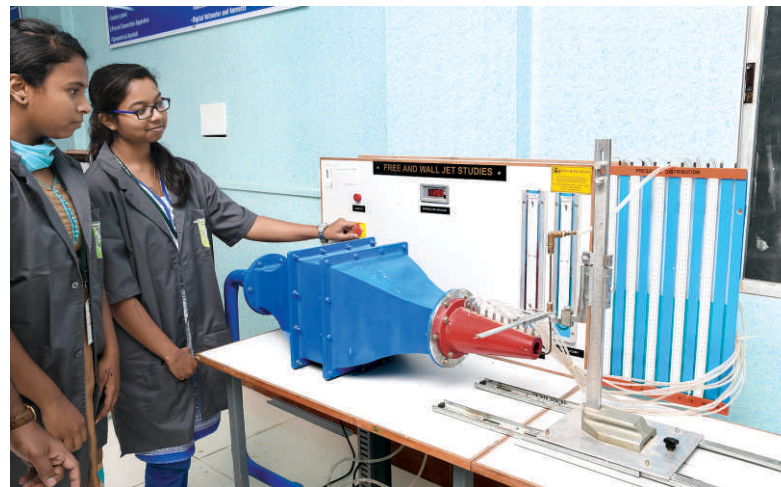


Hands-on experience in MIG-27 fighter

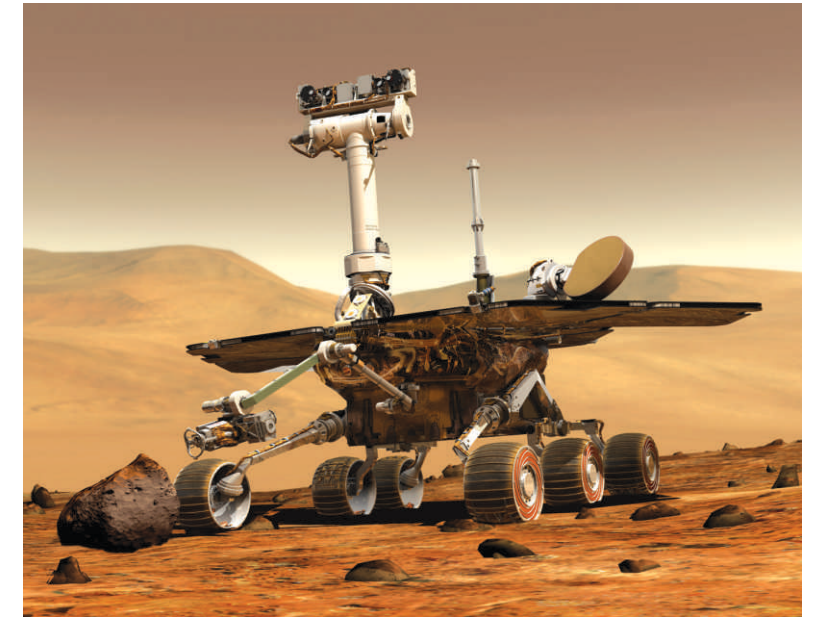


## INTRODUCTION

Aerospace Engineering Department was established in year of 2017 with an intake of 60, approved by AICTE, Govt. of Karnataka affiliated under VTU to meet the intensifying needs for Aerospace Industries. Aerospace Engineering is the primary field of engineering concerned with the design development and launching of satellite launch vehicle, defense missiles and satellites for different applications. Aerospace Engineering curriculum consist of mainly fundamental aerodynamics, structures and propulsion subjects of aeronautical engineering and mechanical engineering in lower semesters and in higher semesters specialized topics like satellite launch vehicles design and analysis, Missile Design, Spacecraft design and analysis, Space dynamics, Intra planetary travels and Space environment. India is one of the leading countries in the aerospace field. To support the current and future challenges in the field of aerospace, ACSCE formulates quality engineers specialized in aerospace technology.



## Department of AEROSPACE ENGINEERING



### COURSE OBJECTIVE

- ◆ **LEADERSHIP SKILLS** Graduates possess academic excellence, managerial skills, leadership qualities and understand the need for lifelong learning for a successful professional career.
- ◆ **ATTITUDE DEVELOPMENT** Graduates will have the communication skills, sense of responsibility to protect the environment and ethical conduct towards their profession and commitment to serve the society.
- ◆ **MODERN TOOL USAGE** Create, Select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to Aeronautical Engineering related complex engineering activities with an understanding of the limitations.
- ◆ High quality communication and interpersonal skills, broad knowledge, and an understanding of multicultural and global perspectives to work effectively in multidisciplinary teams, both as team members and as leaders.
- ◆ To use the techniques, skills, and modern engineering tools necessary for aerospace engineering practice.

### ACHIEVEMENTS

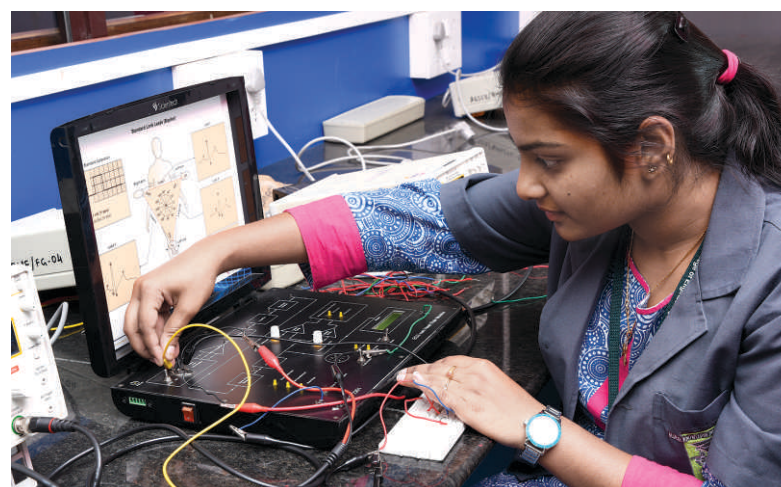
- ◆ First college to start Aerospace Engineering Under VTU
- ◆ Many of the faculties are having rich experience in industry like ISRO, HAL and NAL
- ◆ Most of the faculties representing university as BOS & BOE
- ◆ Students are encouraged to undergo internship in the above said industries
- ◆ Students are encouraged to go for prototype model through Aero modeling club initiated by the department
- ◆ Student admitted to the department are at high ranking in CET
- ◆ Outcome based learning is initiated from the inception of the course



## INTRODUCTION

The Department of Biomedical Engineering affiliated to VTU is established in the year 2010 to promote the human health through education and research that bridges the gap between medicine and Bio-engineering. Our students will be leading force in the new era of medicine where skills of engineering play a vital role to improve healthcare diagnosis, monitoring and therapy. A Biomedical engineer designs, installs, inspects, maintain, repair, calibrate the medical equipments etc.

Our graduates are grounded in fundamentals that will serve them throughout their professional careers. They will have an understanding of human behavior, societal needs and the dynamics of human efforts and their effects on human health and that of our environment. With this underpinnings and abilities, we have defined several educational objectives that we expect from our graduates to inculcate and apply.



## Department of BIOMEDICAL ENGINEERING



### COURSE OBJECTIVE

- ◆ Prepare our graduates for continuing their education and for gaining employment in a biomedical engineering or related profession.
- ◆ Instill in our graduates a desire to participate in lifelong learning activities that will nurture their careers and their impact on society.
- ◆ Work in a technically competent manner to address challenges in engineering or their chosen profession, taking into consideration ethical and societal concerns.
- ◆ Collaborate within their profession across technical disciplines.
- ◆ Encourage our graduates to serve their profession and community.

### RECENT GRADUATE CAREERS

A Biomedical engineer is involved in designing, installing, inspecting, maintaining, repair, and calibrating the medical equipment's and are employed in Healthcare domains, Hospitals and defense etc...

### ACHIEVEMENTS

- ◆ Student Kavya.N from Biomedical Department has secured 3rd rank & Rohini Thevi G.V has secured 5th rank in the VTU examination 2014.
- ◆ Tejaswi Bhat of 6th semester Biomedical won the best paper award on 13th May, First international conference on Innovations and computing and networking -16.
- ◆ Abhik Raj Subedi and Lakshmi Bai of 8th semester Biomedical presented a paper on 27& 28th February at AEEICB 2016 International Conference, Prathyusha college of engineering, Chennai.
- ◆ Rohith Reddy and Dhatri of 3rd year have presented paper at International conference on 1st International Conference on Innovations in Computing and Networking (ICICN-2016) held at RRCE Bangalore.
- ◆ Department of Biomedical engineering students won prizes in quiz, circuit debugging and paper presentation at National level technical symposium "Cloneolectric" October 2015.

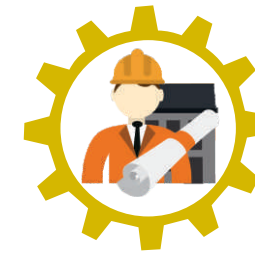


## INTRODUCTION

Civil Engineering department was started in the year 2009. The institution is affiliated to Visvesvaraya Technological University, Belgaum and is striving to grow as one of the finest centers. Department of Civil Engineering is offering M.Tech in structural Engineering (from 2013 on wards). Department has been accredited by NBA for THREE years and NAAC with A grade.

Civil Engineering is a professional engineering discipline that deals with the design, construction and maintenance of the physically built structures like bridges, roads, canals, dams and buildings etc. and also it will take care of naturally built environment.. Civil engineers build the world's infrastructure. It is an age-old profession and has been defined traditionally as a great art, on which the wealth and the well-being of the whole of society depend.

Department of Civil Engineering is recognized in the year 2016 as VTU-Research center to pursue M.Sc (Engg.) and PhD programmes.



## Department of CIVIL ENGINEERING



### COURSE OBJECTIVE

- ♦ Graduates will able to apply fundamental principles of science, mathematics and engineering using modern tools to solve the societal and environmental problems.
- ♦ Graduates are able to use their practical, field survey, computer and analytic skills to build industry ready engineers to solve multi-disciplinary sustainable projects.
- ♦ Graduate applies innovative ideas to improve the technical competency in engineering decisions, lifelong learning, to equip leadership qualities in diverse teams.

### RECENT GRADUATE CAREERS

The need of huge growth in infrastructure development especially in the developing nations like India necessitate quality manpower in the field of Civil Engineering full of innovative ideas. These architects of a promising prosperous world need to be skilled enough to produce low cost , cutting edge technology to meet the demands of the weaker sections of the society.

### ACHIEVEMENTS

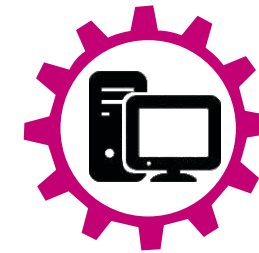
- ♦ The Department of Civil Engineering of ACS College of Engineering has signed the Memorandum of Understanding with CADD Centre Training Services, Kengeri Bengaluru and MoU reaffirms the commitment of Civil Engineering department.
- ♦ The Department of Civil Engineering of ACS college of Engineering has signed the Memorandum of Understanding with FE DESIGNS Bengaluru and MoU reaffirms the commitment of Civil Engineering department to train the students and collaborative research with an industry. FE DESIGNS has supported Civil Engineering department of ACSCE for conducting CYPECAD Training Program.



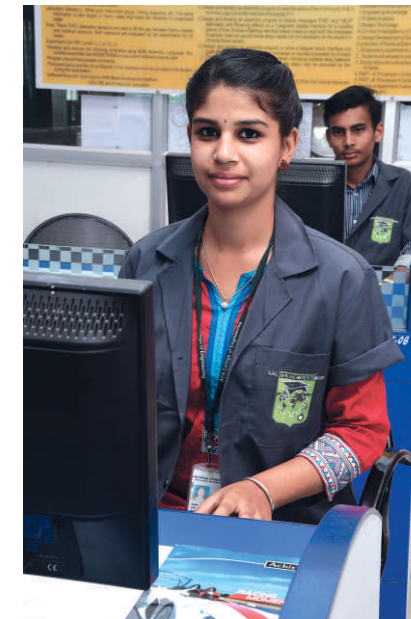
## INTRODUCTION

The department was established in the year 2009 right from the inception of the Institution with an objective of imparting quality technical education in IT field. And as proof, the Department has bagged the prestigious **National Board of Accreditation (NBA) in the year 2016**. The department offers BE in Computer Science & Engineering and M.Tech in Software Engineering degrees for UG and PG students. The department has a VTU recognized R&D centre and around 8 research scholars are pursuing their research work leading to Ph.D degrees.

The department is equipped with computer laboratories consisting of high end computing systems, digital and analog equipments, High end Server Class Systems including IBM Open Power Server. The department has highly qualified and experienced faculty members including young dynamic fanatical teachers. It has members who have won 'Best Teacher' awards, 'Best Researcher' awards and few of them are listed in Marquis Who's Who in Science and Engineering.



## Department of COMPUTER SCIENCE & ENGG.



## COURSE OBJECTIVE

- ♦ To provide the imperative knowledge of science and engineering concepts for a computer professional and equip the proficiency of mathematical foundations and algorithmic principles for competent problem solving ability.
- ♦ To inculcate ability in creativity & design of computer support systems and impart knowledge and skills for analyze, design, test and implement various software applications
- ♦ To exhibit leadership capability, triggering social and economical commitment and inculcate community services and protect environment.

## RECENT GRADUATE CAREERS

In last three years more than 80 percentage of students are placed in reputed companies like Tech Mahindra, Hinduja Global solutions, Cranes Softwares, QSpiders, Artech Infosystems, Xplore Information Technology and Vyshnavi Information Technologies (India) Pvt Ltd and etc and 10% of students have joined higher studies.

## ACHIEVEMENTS

- ♦ Consistent pass percentage in University exams > 97% and Student toppers have consistently achieved more than 79% in University exams.
- ♦ More than 80% Placement for UG and PG students and 15% in higher studies, Internships at reputed Industries for Project works.
- ♦ Students active participation in various technical events at inter collegiate and university level Extracurricular activities and won prizes in Technical Quiz, Typing master, Add selfie, Mini militia, Debugging, Googler, Web design and etc.
- ♦ Department holds Professional body membership like CSI, ISTE and many faculty and students are members of CSI, ISTE, IAENG, EDAS and etc..
- ♦ Many faculties have won International and National awards and recognition. Few have travelled and visited countries like Singapore, Malaysia, China, Dubai, USA & Srilanka.
- ♦ Well qualified faculties with 6 Doctorates, 11 M.Tech out of which 6 are pursuing Ph.D.

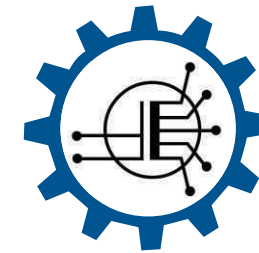


## INTRODUCTION

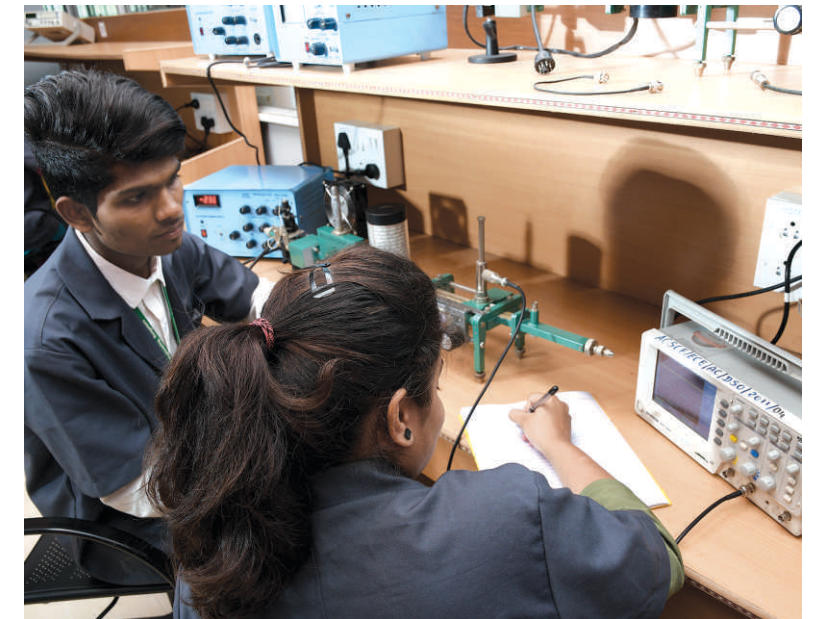
Department of Electronics and Communication Engineering was established in the year 2009 and came in to existence in 2014 respectively, we are affiliated to VTU, Belagavi with highly qualified and experienced faculty members and Non teaching faculty members around various fields of Engineering. Dept. has well equipped State of the Art laboratory and well established classrooms, smart class-room, seminar hall and Departmental library with access to number of books, e-journals and publications. Regular Industrial visits, workshops, internships and mini-projects have been organized for the students.

**Proud to inform that our department is NBA Accredited , NAAC with –A– Grade, Certified by ISO 9001: 2008.**

Our Department has a VTU Research Centre for both M.Sc.-Engg. (by Research) and Ph.D. Programmes.



## Department of ELECTRONICS & COMMUNICATION ENGG.



## COURSE OBJECTIVE

- ♦ To develop the ability among students to understand the concept of core electronics subjects that will facilitate understanding of new technology.
- ♦ To embed a strong foundation in the engineering fundamentals to solve, analyze and design real time engineering products.
- ♦ To give exposures to emerging edge technologies, adequate training & opportunities to work as team on multidisciplinary projects with effective communication skills and leadership qualities.

## RECENT GRADUATE CAREERS

Electronics graduates can be employed in various public and private sector organizations such as the Indian Telephone Industries, National Physical Laboratories, AIR, Civil aviation, etc. Electronics graduates are also absorbed into the entertainment sector, media industry, research establishments and defense organizations. They can also take up teaching and research in engineering colleges in India or abroad.

## ACHIEVEMENTS

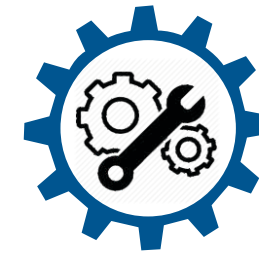
- ♦ **Excellent Placement Track Record:**  
The ECE students are placed in various reputed organizations such as Hinduja Global solutions, Xplore information Technology Private limited, Tech Mahindra ,Mind Tree, Capgemini, Cognizant, IBM, Cerner, VeriZon, Reddonatura, Intarvo, iTriangle, Tekinroads, Covalense, Sienna CAD and other reputable industries /companies.
- ♦ **Research & Development:**  
Dept. has around numerable Technical papers published in both National /International journals and conferences. Most of the faculty members are pursuing Ph.D at various Universities.
- ♦ **Industry Interaction:**  
The Department has signed MOUs with various organizations such as Infotech solutions, Chennai , ITIE Knowledge Solutions, Bangalore, Logic Hive solutions Pvt limited, Mysore, World Alumni Network Pvt Ltd and BSNL, Bangalore to provide live projects for UG and PG final year students in the field of DSP, IoT, Embedded Systems, Mobile communication and Communication Systems etc.



## INTRODUCTION

The Department of Mechanical Engineering at ACS College of Engineering, Bengaluru, Karnataka was established in 2009. The department offers four year degree B.E., in Mechanical Engineering with an annual intake of 60 students, M.Tech in Product Design and Manufacturing with an annual intake of 18 students, Approved Research Centre for Ph.D./M.Sc (By Research) and currently 07 research scholars on roll. 03 research scholars on progress of registering.

Within a very short period of time, UG programme was accredited by National Board of Accreditation (NBA) under TIER –II. Department developed research centre with modern state of art facilities. A continuous effort is always laid on setting up new experimental setups and improvement of facilities in the existing laboratories.



## Department of MECHANICAL ENGINEERING



### COURSE OBJECTIVE

- ♦ To create a center of global standard for imparting education in Mechanical Engineering field and conducting research at the cutting edge of technology.
- ♦ To provide students with a quality mechanical engineering education, enhance the understanding and application of mechanical engineering principles, imparting knowledge with imagination for techno-economical development of the country.
- ♦ To provide an environment where students will get extensive avenues to excel, improve technical exposure and develop personality and then get recruited in reputed organizations with global presence.

### RECENT GRADUATE CAREERS

60% of the passed out students are placed in core mechanical engineering Industries and other public service 20% of the students are pursuing their higher studies like M.S/ M.E./M.Tech., MBA, 10% of the students are looking after their family business.

### ACHIEVEMENTS

- ♦ **Best Project Award from Karnataka State for the Year 2016**

Final Year Mechanical Engineering Students of Mr. Bharath B, Mr Chethankumar G, Mr Shivanna.G and Syed Sajjad Hussain project works titled 'Bio-Design and Fabrication of Bio-Composite Helmet' under the guidance of Prof. Sunilraja B.A. and prof. Chandrashekhar B got the Best Project for the Year 2016 during 39th Series Seminar and Exhibition of Student project Programme held on 19th and 20th August 2016 at V.P. DR.P.G.Halakattu College of Engineering and Technology, Vijapura. supported by Karnataka State Council for Science and Technology (KSCST) Bengaluru.

- ♦ Most of the final year projects are funded by KSCST, VGST and other funding agencies.
- ♦ Our students have participated in HVC-2018 and secured 6th place during virtual round.



# Centre of Excellence PLACEMENT CELL


**Stage I** – Career Direction Training Program – Gaps Detection – Training Needs Identification – Evolving Training Programs

**Stage II** – Orientation Programs – Matching Personal Goals and aptitude with the Industry Goals and Requirements. Live Projects, Case Studies, Workshops and Seminars are organized

**Stage III** – Soft Skills and Employability – To enhance Employability Quotient and give the students a competitive edge Both Technical training in advanced Computer languages and Personality Oriented Programs and Soft skills, General aptitude and attitude tests, Entrepreneur skills



ACS COLLEGE OF ENGINEERING

"Partnership with  Career Breakthrough Program"

Setup Intel's Intelligent Systems Lab in Corporation with Intel and F.I.C.E



Alumni  
Speaks



Meet the Gurus with knowledge & wisdom, experience & expertise bringing with them abundant ideas and lots of patience to deal with the young and very young! Laying the seed of co-creation from where ideas could emerge. Here at ACS College of Engineering all this is possible.

**Madeeha**  
Marketing Manager, FINFID (ALUMNI-BIOMEDICAL)

To me, studying at ACS College of Engineering was more than a fusion of various factors. The college provided an opportunity to explore new avenues. The college on the whole has helped me to grow professionally and personally to which I'm very thankful.

**Rajshree D**  
Aeronautical Engineering, University Gold Medalist



## OUR CORPORATE PARTNERS - *Helping achievers find their rightful place*



& many more







## Dignitaries - Making Their Presence Felt

Bharat Ratna  
**Dr. A.P.J. Abdul Kalam,**  
Former President of India

Various occasions have seen eminent personalities grace the campus of the ACSCE deems it a privilege to have hosted so many inspirational dignitaries and is proud of their ready acceptance of the invitations.



**Dr. B. N. Suresh,** Director of Vikram Sarabhai Space Centre (VSSC), Thiruvananthapuram at ACSCE Graduation Day



**Shri H. D. Deve Gowda,**  
Former Prime Minister of India



The Sports Personality **Shri Anil Kumble**



The Sports Personality **Ms. Sania Mirza**



**Dr. Theerthamalai P,** Director, DRDO, Hyderabad  
at ACSCE Graduation Day



**Dr. K. Sivan,** Director, Vikram Sarabhai Space Centre, ISRO, Bengaluru at ACSCE



**Dr. M. Annadurai,** Director ISRO



**Dr. Shivaraj K Patil,** Hon'ble Former Justice,  
Supreme Court of India

## Moments FOSTERING

Yes, the Institute has created an environment that caters to both the body and mind. The management and staff at the Institute are aware of the fact that learning needs an environment that is conducive in all respects. Consequently the aim has been to create an ambience in which students thrive.



International Conference & Workshop - MARS SUMMIT 2017



Second Place in RC AIRCRAFT held at IIT - DELHI

## Aarohana - Cultural Fest

