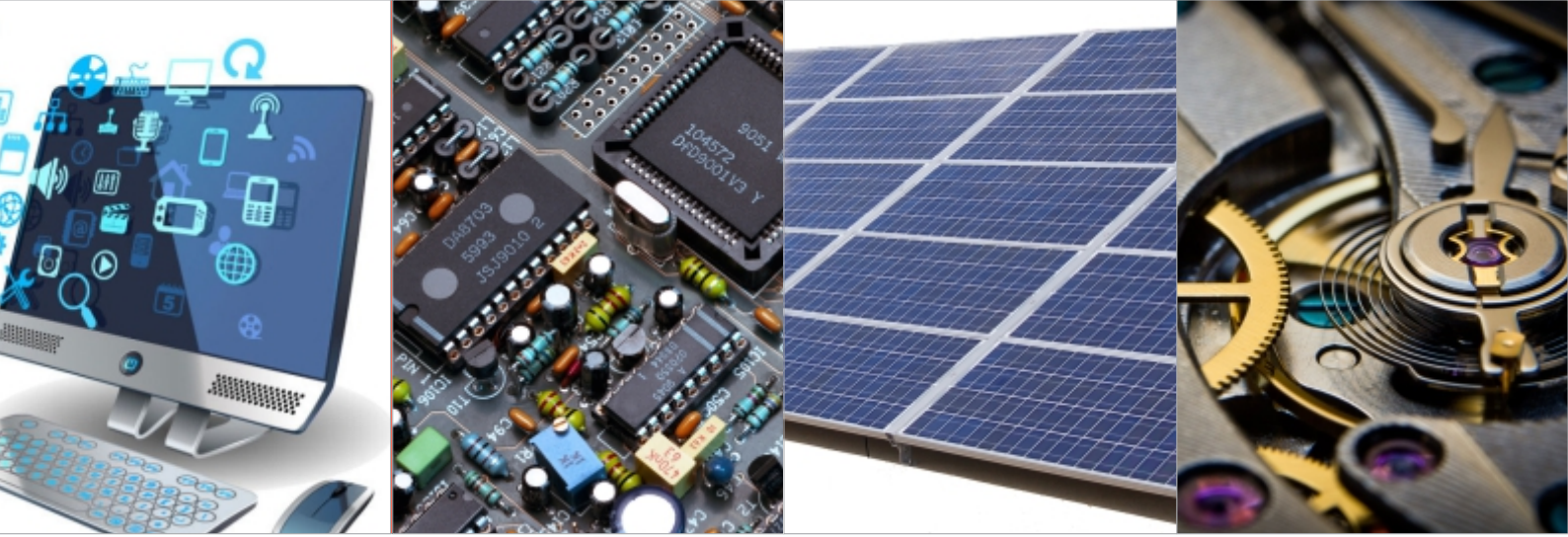2000

IARE

EDUCATION FOR LIBERATION

INSTITUTE OF
AERONAUTICAL ENGINEERING

"

An Institution offering UG and PG courses in CSE, IT, ECE, EEE, ME and CE with 15 years of Excellence in Aeronautical Engineering

ENTER TO LEARN
LEARN TO ACHIEVE

PROFILE
2015-2016

EXCELLENCE IN AERONAUTICAL INNOVATION

VISI💡N

To bring forth professionally competent and socially sensitive engineers, capable of working across cultures meeting the global standards ethically.

MISSI🎯N

To provide students with an extensive and exceptional education that prepares them to excel in their profession, guided by dynamic intellectual community and be able to face the technically complex world with creative leadership qualities.

Further, be instrumental in emanating new knowledge through innovative research that emboldens entrepreneurship and economic development for the benefit of wide spread community.

🔍UALITY POLICY

Our policy is to nurture and build diligent and dedicated community of engineers providing a professional and unprejudiced environment, thus justifying the purpose of teaching and satisfying the stake holders.

A team of well qualified and experienced professionals ensure quality education with its practical application in all areas of the institute.

PHIL☯SOPHY

The essence of learning lies in pursuing the truth that liberates one from the darkness of ignorance and Institute of Aeronautical Engineering firmly believes that education is for liberation.

Contained therein the notion that engineering education includes all fields of science that play a pivotal role in the development of world-wide community contributing to the progress of civilization. This institute, adhering to the above understanding, is committed to the development of science and technology in congruence with the natural environs. It lays great emphasis on intensive research and education that blends professional skills and high moral standards with a sense of individuality and humanity. We thus promote ties with local communities and encourage transnational interactions in order to be socially accountable. This accelerates the process of transfiguring the students into complete human beings making the learning process relevant to life, instilling in them a sense of courtesy and responsibility.

Chairman – M L R Institute of Technology
Chairman – M L R Institute of Technology and Management
Vice Chairman – Vardhaman College of Engineering
Director – St. Martin's Engineering College

Sri Marri Rajasekhar Reddy envisioned a technological revolution and committed himself to establish an institution, to foster technical and higher education. Since his young age, he showed great flair in managing and nurturing education institutions, for whom quality is the way of life. Under the dynamic leadership of Sri. Rajasekhar Reddy, IARE is reinforcing its position as an institution of eminence in India and beyond.

SRI M. RAJASEKHAR REDDY
Chairman

Managing Director
MTE Industries Pvt. Limited, Hyderabad

Offering 25 years of expertise under his leadership, MTE has evolved to be one of the best machine tool building facilities in India. All the critical parts are made in-house to ensure the precise quality in products delivered. With a rare and enriching exposure to industrial research experience, Sri. Sathi Reddy prepares the students to be competent in academic and engineering studies to meet the challenges in industry.

SRI CH.SATHI REDDY
Secretary & Correspondent

Chairman
Sri Rama Non ferrous Foundry

With 25 years of journey as a manufacturer and exporter of all types of ferrous castings, non ferrous castings and gravity die castings of Aluminium, Gun Metal, Phosphorus, Bronze, Brass Castings etc. Sri Rajeswar Rao strives to provide the best of infrastructure, including the latest in teaching aids.

SRI B. RAJESHWAR RAO
*Executive Director
and Treasurer*

Welcome to IARE

Institute of Aeronautical Engineering (IARE), Hyderabad established in the year 2000, by devoted group of eminent professionals and industrialists, having a long and outstanding experience in educational system with a mission 'Education for Liberation'. It is the first institute to start with Aeronautical Engineering with an intake of 60 and gradually transformed itself into a premier integrated interdisciplinary technological institute.

IARE is approved by the All India Council for Technical Education (AICTE), New Delhi, affiliated to Jawaharlal Nehru Technological University; Hyderabad (JNTUH) is an ISO 9001-2008 certified. The departments of CSE, IT, ECE, EEE, Aeronautical and Mechanical Engineering are accredited by the National Board of Accreditation (NBA), New Delhi since 2008.

It has been consistently maintaining excellent results and is a gateway to success providing quality education besides nurturing students to gain competitive edge over others. IARE believes in setting audacious goals and infusing fresh ideas to achieve the same. The institute intends to promote collaborative industry relevant projects, R & D and consultancy to raise the overall academic standard as well as build strong Industry-Institute relations. The institute strives to translate its vision into reality and achieve the desired goals.

COURSES OFFERED

YEAR OF ESTD.	NAME OF THE COURSE	INTAKE
2000	AERONAUTICAL ENGINEERING	180
2001	COMPUTER SCIENCE AND ENGINEERING	180
2001	INFORMATION TECHNOLOGY	060
2004	ELECTRONICS AND COMMUNICATION ENGINEERING	180
2004	ELECTRICAL AND ELECTRONICS ENGINEERING	060
2004	MECHANICAL ENGINEERING	120
2008	CIVIL ENGINEERING	120

YEAR OF ESTD.	NAME OF THE COURSE	INTAKE
2008	AEROSPACE ENGINEERING	36
2008	COMPUTER SCIENCE AND ENGINEERING	36
2009	INFORMATION TECHNOLOGY	18
2009	SOFTWARE ENGINEERING	18
2011	CAD / CAM	18
2012	EMBEDDED SYSTEMS	18
2012	VLSI	18
2014	POWER ELECTRONICS & ELECTRICAL DRIVES	24
2014	STRUCTURAL ENGINEERING	24
2006	MASTER OF BUSINESS ADMINISTRATION	60

Admissions into the Institute is along with the other engineering colleges in the state through a common entrance test Engineering, Agriculture and Medical Common Entrance Test (EAMCET), conducted by the Govt. of Telangana / Andhra Pradesh.

ELIGIBILITY CRITERIA FOR ADMISSION INTO B.TECH

The minimum qualification for admission into first year of the B.Tech course is a pass in Intermediate (10 + 2) conducted by the Board of Intermediate Education, Govt. of Telengana or any other examination recognized as equivalent thereto with Mathematics, Physics and Chemistry as optional subjects.

➢ 70 % of the seats are allotted based on the merit in the EAMCET conducted by Govt. of Telengana / Andhra Pradesh.
➢ 30 % of the seats are earmarked for Management / NRI candidates.
➢ In addition to the above, Diploma holders are admitted in second year of B.Tech to the extent of 20% of intake based on the merit in the Engineering Common Entrance Test (ECET), under lateral entry scheme conducted by Govt. of Telengana / Andhra Pradesh.

ELIGIBILITY CRITERIA FOR ADMISSION INTO M.TECH

B.E / B.Tech in relevant branch of engineering with valid GATE score / based on the rank obtained in the common entrance test conducted by State Council of Higher Education, Hyderabad.

ELIGIBILITY CRITERIA FOR ADMISSION INTO MBA

The minimum qualification for admission to first year of the MBA is a pass in undergraduate course (10 + 2 + 3).

➢ 70% of the seats are allotted based on the merit in the Integrated Common Entrance Test (ICET) conducted by Governments of Telengana / Andhra Pradesh.
➢ 30% of the seats are earmarked for Management / NRI candidates.

FEE STRUCTURE

The fee is decided by Admission and Fee Regulatory Committee (AFRC), Hyderabad a competent authority.The institute of Aeronautical Engineering has got the best fees of Rs 50,800/- from the academic year starting 2013-2014.

WHY IARE ?

- ➲ Institute of Aeronautical Engineering is one of the top ten Institutions in the twin cities of Hyderabad and Secunderabad.
- ➲ In addition to Aeronautical Engineering, the institute is offering B.Tech and M.Tech courses in Computer Science & Engineering, Information Technology, Electronics & Communication Engineering, Electrical & Electronics Engineering, Mechanical Engineering and Civil Engineering.
- ➲ Six out of seven of its B.Tech courses are accredited by National Board of Accreditation (NBA), New Delhi since 2008.
- ➲ Attracts students from in and around the state with good academic records.
- ➲ Well experienced and highly qualified faculty, state-of-the-art infrastructure, regular placements and well equipped laboratories.
- ➲ Eminent professors from renowned organizations like ISRO, IAF, DRDO, DRDL, HAL, BHEL, ECIL, JNTU and so on.
- ➲ High band width Wi-Fi facility and other infrastructural facilities are open round the clock for the benefit of the students residing in the college hostels.
- ➲ Job oriented training from II B.Tech onwards.
- ➲ The placement record has been consistently good with more than 75% students being placed in reputed MNCs such as TCS, Infosys, Oracle, NTT Data, Tech Mahindra, HCL and Cyient, TATA Advanced Systems and so on with an average annual salary of Rs.3.5 Lakhs.
- ➲ Societies, students' chapters of professional bodies, clubs like professional club and cultural club encourage co-curricular and extra-curricular activities. They are owned and managed by student representatives and are monitored by the faculty in-charge.
- ➲ Programs like CONSORTIUM – the techno fest, CONCOCT – an innovative models presentation, SAMSKRUTHI- the traditional day and SPANDANA - the annual sports and cultural day are conducted for students.
- ➲ Continuous evaluation system of students like regular class tests, assignments, mid-term examinations, seminars, quizzes and laboratory tests.
- ➲ Significant role of alumni in projecting a positive picture of the institute in and around the country.
- ➲ Resourceful in giving inputs for overseas education and training the students for making them industry ready.
- ➲ Participation in community development programs under NSS like communal harmony week, police commemoration, van guards, blood donation camps and so on.
- ➲ Separate hostels for boys and girls with mess facility, near the campus for comfortable lifestyle.
- ➲ Facilities like Indoor and out-door games, courts, gymnasium, health centre and cafeteria are made available to the students and faculty.
- ➲ Transportation facility connecting all the corners of twin cities.

JNTU RANKS AND GOLD MEDALS:

The college has been consistently maintaining excellent results and has the distinction of having six JNT University Gold Medals for outstanding students' performance in different branches of study.

6
UNIVERSITY
GOLD MEDALS

JNTU GOLD MEDALS

S.NO	ROLL NUMBER	NAME OF THE STUDENT	BRANCH	PERCENTAGE OF MARKS	ACADEMIC YEAR
1	00951A2150	Ms. Sweta Bala B	AERO	78.00%	2000 - 2004
2	01951A2109	Ms. Gayathri P	AERO	84.62%	2001 - 2005
3	02951A2112	Ms. Dhana Naga Sujatha R	AERO	85.15%	2002 - 2006
4	03951A2152	Ms. Sushma D	AERO	87.77%	2003 - 2007
5	04951A2178	Ms. Soniya K	AERO	85.22%	2004 - 2008
6	07951A2171	Mr. Shaik Subhani	AERO	86.62%	2007 - 2011

SUJANA GOLD MEDALS

S.NO	ROLL NUMBER	NAME OF THE STUDENT	BRANCH	PERCENTAGE OF MARKS	ACADEMIC YEAR
1	07951A0461	Mr. Sai Raju P	ECE	84.04%	2007 - 2011
2	07951A2149	Ms. Prathyusha Ch	AERO	83.45%	2007 - 2011

FACULTY

Faculty is the backbone of IARE. Among our 255 strong full time teaching faculties, 26 are PhD's and over 229 are Post-Graduates. It has been a constant endeavor to add competent faculty members to our talent pool. There are 32 professors and most of them have proven record of admirable accomplishments. As quality education can be imparted through quality teachers, few of the IARE faculty has experience at IISc, IIT's, NIT's and Universities who provide academic leadership.

INFRASTRUCTURE

All the required drawing halls, colossal corridors, spacious class rooms, laboratories, library, computer centre, seminar halls, E- class rooms and faculty rooms are housed in a total building space of 2,89,600 Sft. The college has an air conditioned auditorium with 1000 seating capacity and air conditioned E- class rooms with 120 seating capacity along with LED projectors. All the class rooms are equipped with LCD projectors to assure an effective teaching learning process.

COMPUTER CENTER

The computer centre houses powerful servers, with over 1156 computers providing an excellent computational environment comprising of multiple operating systems - Microsoft Windows, Linux and Unix and can be accessed from any of the nodes attached to the servers across the campus through UTP and fiber optic backbone.

120 KVA uninterruptible power supply system with 480 KVA diesel green generator sets are exclusively catering to the needs of computer centre. Broadband 40 Mbps internet facility is available through AirTel wireless Connectivity and BSNL.

LIBRARY

A hub of knowledge

The institute has a duplex library, enough to accommodate more than 35000 volumes of books, the news papers, back volumes of the periodicals, reference books, current periodicals, more than 180 online journals of IEEE, ASME, ASCE and 156 Indian journals and magazines in print.

Modern digital library also supports the learning system with 40 computers to access E-journals, E-books, E-learning, multimedia center and photocopying for the convenience of the users. N-LIST E resources (Through INFLIBNET), 1200 NPTEL (National Program on Technology Enhanced Learning), JNTUH -eLSDM video lectures, MIT open courseware and membership of DELNET (Inter library loan) for resource sharing. Library is fully computerized with bar-coding and Wi-Fi system.

Increasingly recognized by recruiters for its abundant talent pool and excellent facilities, IARE's placement process aims to match the requirements of recruiters and the aspirations of students.

PLACEMENT AND TRAINING

IARE has been consistently improving its placement record with more than 75% students being placed in various reputed organizations. The placement and Training Centre (PAT) plays a pivotal role in building the career of aspiring engineers. Our Career Centre provides personal career counseling, extensive career development seminars and invaluable assistance in developing one's resumes that showcase his/her skill and experiences.

The industry-institute interactions have been instrumental in getting some of the renowned MNCs to the institute and conduct on campus recruitment drives. Our placement team works round the year to ensure successful and respectable placements with esteemed organizations. PAT centre believes in combining the three facets that together spell success - Ability, Motivation and Attitude.

OUR FORMULA FOR STUDENT'S EMPLOYABILITY IS

Quality Education **+** Employable Skills **=** Student Employability

SOME OF OUR RECRUITERS

Infosys, accenture, HCL, NTT DATA Global IT Innovator, Tech Mahindra, SYNTEL Consider IT Done

CSC, MAVERIC Transforming Assurance, CYIENT, BOSCH, virtusa Accelerating Business Outcomes, BE AEROSPACE

Tally POWER OF SIMPLICITY, Capgemini, verizon, DAIKIN AIR CONDITIONING, MphasiS an HP company, L&T Infotech

iGATE TOPS for Business Outcomes, apps associates extreme expertise, kotak Life Insurance, IBM, sify, sasken

Rockwell Collins, ORACLE WORKFORCE DEVELOPMENT PROGRAM, Mindtree Welcome to possible, ORACLE FINANCIAL SERVICES, Bank of America, American Megatrends

TATA ADVANCED SYSTEMS, GENPACT, Google, AIR FORCE, KIRLOSKAR GREEN POWER IDEAS, ca technologies

DELL, UnitedHealth Group, HSBC, LG Soft India

PROF. L V NARASIMHA PRASAD

Professor of Computer Science & Engineering
Placement and Training Officer
Institute of Aeronautical Engineering
Dundigal, Hyderabad – 500 043, Telangana State
E-mail: pat@iare.ac.in
Phone: +91 949-018-2900

TRAINING PROGRAMS

II B.Tech I Semester	Fount Foundation and soft skills
II B.Tech II Semester	Sthenic Software and Oracle Academy Java SE 6 Certification
III B.Tech I Semester	Aptitude Adaptation and Oracle Academy Database Expert
III B.Tech II Semester	Enrich English and Microsoft .NET certification
IV B.Tech I and II Semesters	Inclusive Interaction and Tech Target

➢ The teaching-learning process through teaching the technology in curriculum, is the teacher's main job in a classroom, so technology-related professional development makes sure that technology supports overall lesson objectives (Job-related).

➢ Committed to the mission and philosophy of the college, making leaders in the field of management, science and technology through hard work, honesty and team spirit.

➢ Use of Balanced Scorecard, a method intended to give students a fast and comprehensive view of the performance indicators.

➢ Intends to update and modernize the value of technical education with innovative teaching methods tuning it to the ever changing technological trends.

➢ The institute follows continuous evaluation system of students like regular class tests, assignments, mid-term examinations, seminars, quizzes and laboratory tests.

➢ Computerized monitoring of attendance, progress monitoring, counseling through departmental faculty advisors.

➢ Eight centers of excellence uses latest software like AutoCAD, CATIA, Pro/E, CFD, ANSYS, MATLAB, PSCAD/EMCAD, Xilinx, Cadence VHDL, IBM Rational Rose, Informatica, J2ME and so on.

➢ 250 hours of professional and career development with finishing school beyond the curriculum.

➢ Emphasis on real and hands-on business application development and industry driven projects.

➢ Financial support for creative project works in under graduate and post graduate programs.

➢ Promoting excellence in undergraduate education that will enable the development of leaders for our technology-driven society.

➢ Advancing in multidisciplinary research and education at both the undergraduate and postgraduate levels.

➢ Encouraged the faculty members to conduct research, consultancy and publish papers / articles regularly in various national and international journals of repute.

MEMORANDUM OF UNDERSTANDING (MOU)

DEPARTMENTS

AERONAUTICAL ENGINEERING

Aeronautical Engineering remains one of the most fascinating subjects in applied science and engineering. On the other hand, as a nation, if we develop aerospace technology, other technologies are also updated proportionally. Aerospace engineers develop new technologies to use in aviation, defense systems and Aerospace exploration, often specializing in areas such as aerodynamics, aerospace propulsion, aerospace structures, guidance, navigation and control, instrumentation and communication or production methods.

The Department of Aeronautical Engineering was established in 2000 with an intake of 60, enhanced to 120 in 2008, 120 to 180 in 2011. Besides, there are an additional 20% seats under lateral entry scheme. The department has grown rapidly ever since its establishment. The department started M.Tech program in Aerospace Engineering with an intake of 18 from the academic year 2008 and increased to 36 in 2010.

The department has on its roll faculty members with good experience and training. The department is headed by Dr. Amalesh Barai, with vast industrial (like National Aerospace Laboratories, Bangalore; Tata Technologies, Pune; Airbus UK, Bristol) and teaching experience of 24 years. Dr. Barai studied B.Tech (Aeronautical Engineering) at Indian Institute of Technology, Kharagpur; M.E.(Aerospace Engineering) at Indian Institute of Science (IISc), Bangalore and Ph.D with specialization in Structural Dynamics and Aeroelasticity also at IISc, Bangalore. The Department currently has 34 faculty members, including four doctorates.

Department offers a vibrant academic atmosphere which enables independent research and free exchange of ideas. The department is equipped with advanced laboratory facilities with one serviceable airplane, Two Aero Engines, low speed subsonic wind tunnel, CNC and VMC Machines and avionics systems. Students are trained in these laboratories regularly by allotting suitable time slots in the regular time table. The department has continuous interaction with R & D organizations of international repute in the field of aerospace engineering that lead to mutually beneficial research activities.

COMPUTER SCIENCE AND ENGINEERING

The fast changing technological scenario poses to the Institute a challenge of continuously updating its curriculum and faculty to be able to provide state-of-the-art education to the students. Computer Science and Engineering (CSE) is the heart of actions involving intelligent game playing, mobile applications, smart robots, cloud computing, data security, social networks, or bioinformatics.

The department of CSE was established in 2001 with an intake of 40, increased to 60 in 2002, 90 in 2004 and 120 in 2006, 180 in 2012, besides an additional 20% seats under lateral entry scheme. The department is also offering M. Tech program in Computer Science and Engineering from the year 2008, with an intake of 18 and increased to 36 in the year 2010 and Software Engineering from 2009, with an intake of 18.

The B.Tech program in Computer Science and Engineering has been accredited by the National Board of Accreditation (NBA) since 2009.

The department is headed by Prof. L V Narasimha Prasad, with vast Industrial and Teaching experience of 21 years. The department currently has 49 faculty members, including four doctorates. Faculty research interest spans a wide range: from abstract theory to down-to-earth problems of immediate interest to industry.

Current areas of research of the department has broadly classified into the following categories: Algorithms; Artificial Intelligence, Soft Computing and Machine Learning; Data Mining and Business Analytics; Wireless Protocols; Information Retrieval Systems; Networks and Internet Technologies; Software Engineering and Languages.

INFORMATION TECHNOLOGY

Information Technology is defined as the science that comprises all aspects of computing, including data storage, sharing of information and communications. It is a rapidly growing area that is radically changing the world by making it possible to do new way business, providing entertainment and creating art.

The department of Information Technology was established in 2001 with an annual intake of 60, besides an additional 20% under lateral entry scheme. The department is also offering M. Tech in Information Technology), a two year full time post-graduate program for the students who have a B.E / B. Tech in Information Technology with an intake of 18 from the year 2009.

The B.Tech program in Information Technology has been accredited by the National Board of Accreditation (NBA) since 2008.

The department is headed by Prof. Praveen Ayyappa who has certified by National Institute of Technical Teachers Training and Research and has teaching experience of 10 years. There are 16 faculty members including 6 Associate Professors, 6 Assistant Professor (Senior Grade) and 4 Assistant Professors. All the 16 faculty members are with M.Tech qualification among which 3 members are currently pursuing Ph.D.

ELECTRONICS AND COMMUNICATION ENGINEERING

Electronics and Communication Engineering (ECE) is a swiftly advancing field, with new ideas emerging every other second.

The department of Electronics and Communication Engineering was established in 2004 with an annual intake of 60, increased to 120 in 2010 and from 120 to 180 in 2012, besides an additional 20% under lateral entry scheme. The department is also offering M. Tech program in Very Large Scale Integration (VLSI) and Embedded Systems from the year 2012, with an intake of 18 each.

The B.Tech program in Electronics and Communication Engineering has been accredited by the National Board of Accreditation (NBA) since 2008.

The department has the faculty members who have vast experience in the fields both industries and academics. Currently there are 32 faculty members including 4 Ph.D degree holders, 4 Associate Professors, and 24 Assistant Professors. The department is headed by Prof. V R Seshagiri Rao, who served in HAL for 23 years at senior level. He was deputed to Russia two times from HAL. He is ably supported by Dr. P G Krishna Mohan who is a farmer head of the department at JNTUH, Prof. PSR Krishna who served in BSNL as Principal General Manager is with us. Dr. P Keshav Rao, a renowned space scientist from ISRO is the in-charge of R & D centre of institution.

The department of Electronics and Communication Engineering strives to build a new generation of engineers who are exposed to all recent developments by a team of well qualified and dedicated faculty. This includes Embedded Technology, VLSI Technology and Design, Digital Communication, Wireless Communication, Operating System, Digital Signal Processing etc. The department has well equipped labs, to mention a few, Analog Electronics Lab, Logic Design Lab, Micro Controllers Lab, HDL Lab, Digital Signal Processing Lab, Analog Communication Lab, Advanced Communication Lab, Microprocessors Lab, VLSI Lab etc.

ELECTRICAL AND ELECTRONICS ENGINEERING

It is a widely accepted fact that the perception of energy consumption of a nation is an index of the nation's growth.

The department of Electrical and Electronics Engineering (EEE) Program was started in the year 2004 with an intake of 60. The department is also offering a two year full time M.Tech program in Power Electronics and Electrical Drives with an intake of 24 from the year 2014.

The department focuses on uncompromising academic standards in imparting both theoretical and practical instructions with a view to prepare professional engineers. The department is catering to the needs of the industry by training students to make valuable contribution.

The B.Tech program in Electrical and Electronics Engineering has been accredited by the National Board of Accreditation (NBA) since 2013.

The faculty of EEE has healthy blend of elderly, richly experienced and qualified young dynamic teaching and non-teaching faculty with institutional, research and industrial expertise. The department is headed by Prof. P Sridhar, with vast teaching experience and is ably supported by 16 faculty members maintaining 1:15 ratio out of which two are with Ph.D qualification and fifteen faculty members are with M.Tech qualification.

The student projects executed are of high quality with IEEE problems solved and projects are carried out in various public organizations like BHEL, GENCO, TRANSCO, ECIL, Vijai Electricals, SIEMENS, TECUMSEH and so on.

MECHANICAL ENGINEERING

It is the branch of engineering that involves the production and usage of heat and mechanical power for the design, production and operation of machines and tools. It is one of the oldest and broadest engineering disciplines.

The department of Mechanical Engineering was established in the year 2004 with an initial intake of 60 and further increased to 120 in the year 2013. The department is also offering M.Tech program in CAD/CAM with an intake of 18 students since 2011.

The B.Tech program in Mechanical Engineering has been accredited by the National Board of Accreditation (NBA) since 2008.

The department is headed by Prof. V V S Haranadh Prasad having vast industrial and teaching experience of 35 years. The department currently has six professors having research/academic/industrial experience. Faculty research experience covers a wide range of current problems which have immediate application to industry. Some of the research works include project related to welding technology, robotics and CAD/CAM.

The department houses with eight well equipped state of art laboratories in which the students are encouraged to do in house research projects. Mechanical Engineering students deal with the formulation, design, development and control systems and components involving solid mechanics, dynamics and controls, fluid mechanics, heat and mass transfer, manufacturing and conversion of energy into useful work.

The department is rich in research facilities viz., ACE Minomatic six station vertical machining centre, CNC lathes, metrology equipments and latest up to date software's for modeling and analysis like AUTOCAD, ANSYS, CATIA, FULENT, IRONCAD, CADEM, MATLAB and ADAMS.

The department has Memorandum of Understandings (MOUs) with various industries like TATA Advanced Systems, MTE Industries, Sree Rama non ferrous Foundry, Medequip Industries, Sanathan Industries, Hyderabad Dies-Moulds etc. The students are encouraged to take up mini projects, major projects in various industries and arranged industrial tours in and around Hyderabad periodically.

CIVIL ENGINEERING

Civil Engineering is one of the broadest and oldest of the engineering disciplines, extending across many technical specialties. A civil engineer requires not only a high standard of engineering knowledge but also supervisory and administrative skills. Civil engineers plan, design and supervise the construction of facilities essential to the needs of modern life. A civil engineer is responsible for planning and designing a project, constructing the project to the required scale and maintenance of it.

The department of Civil Engineering was established in 2008 with an intake of 30, enhanced to 60 in 2009 and to 120 in 2013. The department also started offering a two year M.Tech program in Structural Engineering with an intake of 24 from the year 2014. Recently the department has applied for National Board of Accreditation (NBA) for accrediting the B.Tech program in Civil Engineering.

It consists of well qualified, experienced and dedicated faculty and committed supporting staff. The department is headed by Prof. U S P Rao with a total experience of 40 years, out of which 33 years of industrial experience at Hindustan Aeronautics Limited (HAL) and 7 years of teaching. Currently, he is ably supported by two eminent professors, Dr. K Narasimha Murthy, Dr. J S R Prasad, two Associate Professors, thirteen Assistant Professors and two Scientific Officers.

The faculty continues to strive hard by exploring new frontiers of knowledge, imparting the latest technical knowledge to the students and conducting high quality of research. The faculty also renders technical advice on live engineering problems to various Government and Private Sector companies throughout country.

The departmental major activities include teaching and research, and providing consultancy services to various organizations in the area of Civil Engineering like Transportation, Meteorology and Earthquake resistant design of structures. It has the following well-equipped laboratories in Strength of Materials, Geo-technical Engineering, Surveying, Geology, Environmental Engineering, Hydraulics and Hydraulic Machinery and Advanced Concrete Technology and Highway Materials.

MASTER OF BUSINESS ADMINISTRATION

IARE established the department of management studies in the year 2006 with an intake of 60 students. MBA is a 2 year/ 4 semester's program. Students are required to complete 23 subjects with 5 seminars, 2 labs and a structured project at the end of the year with choice of 3 specializations namely Finance, Marketing and HR, which is much sought after by students.

MBA program was started in IARE to transform high potential professionals in to competent business managers and decision makers within a short span of 2 years. The program is designed to make the students business-ready and capable of responding to complex business requirements that arise in a changing global business environment. Throughout the course of study, emphasis is placed on skill development, team-work, inclusivity principles and value-based management creating "Business Ready Managers".

ALUMNI

IARE conducts alumni meet every year in the month of March. The event witnesses the alumni meeting at one place, sharing their experiences. The former students of IARE are invited to share their experiences with the juniors. The idea is to inspire and encourage the existing students of IARE. The event is fun filled with some of them revealing their amusing and hilarious college memories.

HOME FOR THE LEARNING MINDS

The student hostels are designed and built, keeping in mind the main aspects of comfortable lifestyle. The institute is providing separate hostel facilities for boys and girls with mess facility, near the campus. The hostel warden and staff will ensure a comfortable atmosphere with healthy meals.

Some of the faculty and staff live on the campus as well. The accommodation is at a vicinity of the institute. The sense of togetherness and living with friends, adds not only to cherished memories, but also gives an endless opportunities for round-the-clock learning.

We ensure that our students have a modern, safe and well equipped place to work, learn and rest.

TRANSPORT

IARE has a fleet of 25 luxury buses, providing transport facilities to the students and faculty from all parts of the Hyderabad and Secunderabad making commute easy and enjoyable.
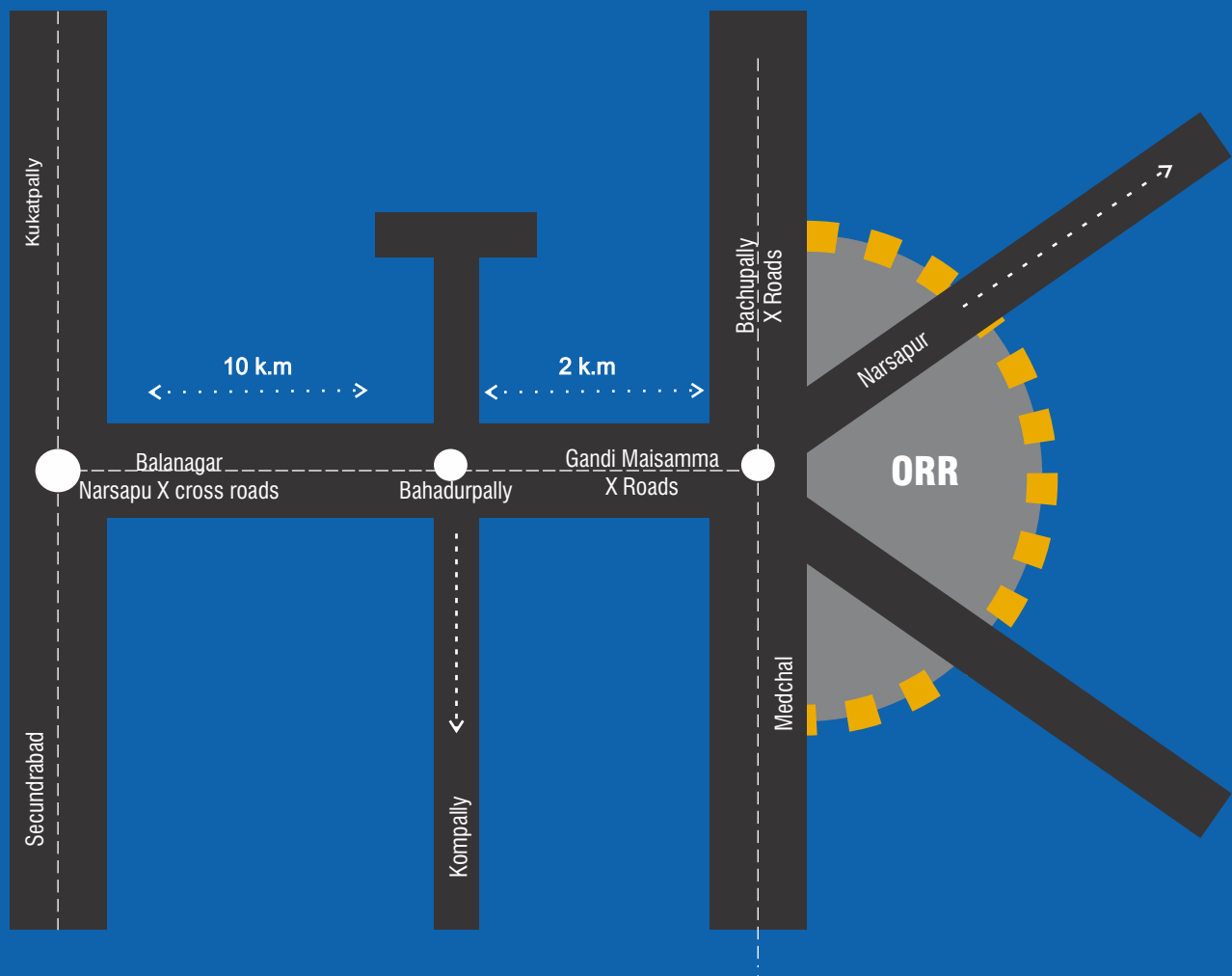
HOW TO REACH US

IARE enjoys geographical advantage as it is well connected by air, rail and road transportation. The institute is situated in a lush green and pollution free environment adjacent to Nehru outer ring road (ORR) off Medak - Narsapur junction exit-5, making it accessible to several important centers in and around the city.

The institute is 20 KM away from Secunderabad Railway Station, 11 KM from J N T University, Kukatpally, Hyderabad and the Rajiv Gandhi International Airport at Shamshabad is just a 40 minute drive.

DIRECTIONS

Reach Balanagar X Roads - Take the road towards Medak / Narsapur - Travel 14 KM to reach Gandi Maisamma X Roads – Proceed 03 KM towards Dundigal to reach the institute.