Institute of Advanced Research
The University for Innovation

PROSPECTUS

The Puri Foundation for Education in India

The grand challenges that the society faces today can only be met by education and research driven innovation. Whether it is the impact of climate change, resource depletion or life-long health and well being, these can only be confronted by the advancement of knowledge and its application.

The Institute of Advanced Research is committed to developing and delivering world leading higher education programs that are underpinned by relevant research. Education disconnected from the real world context does not necessarily lead to graduates who will be the driving force for growth of the economy and, social and environmental well-being that we seek. Therefore, students at Institute of Advanced Research (IAR) actively interact with society, business and industry through extra-curricular and co-curricular programs. Our students and faculty benefit from a structured interaction with business and industry leaders through open lectures, collaborative research an d innovation, business competitions, industry visits and voluntary work in society.

Increasingly complex problems demand ever innovative solutions, which can only be realized through multi-disciplinary education, research and application, which are all intertwined.

Acquisition of knowledge is one but important aspect of university education. Our focus is also on developing our students as confident and enterprising individuals as we believe that confident and enterprising graduates will be the future leaders and change makers in our society.

We are a young and growing university, allowing us to set the agenda for innovative university education, research and enterprise to contribute to the social and economic advancement of our state and our nation.

I warmly welcome you to join us in this journey.

Professor Rao Bhamidimarri

President

6 We want the education by which character is formed, strength of mind is increased, the intellect is expanded, and by which one can stand on one's own feet. 9

-Swami Vivekananda

Institute of Advanced Research
The University for Innovation

The Institute of Advanced Research (IAR) is an innovative modern university, which offers professionally focused undergraduate, postgraduate and research degree programs. IAR was established in 2006, initially as A Research Institute with the support of then President of India Dr A P J Abdul Kalam, who inaugurated the Institute, and the Prime Minister, Shri Narendra Modi, who was then the Chief Minister of Gujarat. The University is financially supported by the Puri Foundation for Education in India, established by Professor Nathu Ram Puri, who is a leading industrialist in the UK with manufacturing and other businesses world-wide. The University is a not-for-profit institution and its sole purpose is to promote world-leading education, research and innovation for young people nationally and internationally.

The campus is situated in a picturesque location on the banks of Sabarmati river in Gandhinagar, Gujarat.

The Institute is well respected for its high quality of research nationally and internationally with the research being published in top international journals.

IAR was awarded the university status under the Gujarat Private Universities Amendment Act, 2011.

The University commenced offering educational programs in 2014 and currently has around 500 students in several undergraduate, masters and research degree programs.

The university aspires to be the leading university in the private higher education sector nationally with strong international presence and with a focus on quality rather than scale.

Our Trust
The Puri Foundation for Education in India

The Puri Foundation for Education in India is a charitable trust registered in Ahmedabad, Gujarat. The trust is supported by the generous support from Chairman, Prof. Nathu Ram Puri, a noted NRI industrialist settled in Nottingham, UK.

The Objectives of the trust include creating facilities for promotion of education and research. The trust supports and establishes schools, universities and research establishments in India and overseas. The trust also supports students from weaker sections of the society to provide them with equal opportunities to realise their potential.

As part of its objectives, the trust set up Indian Institute of Advanced Research at Koba, Gandhinagar. Honorable Shri Narendra Bhai Modi, then Chief Minister of Gujarat, laid the foundation stone of the Institute in 2003. The first Centre of Excellence, School of Biological Sciences and Biotechnology was set up in 2006. It was formally inaugurated by The President of India, H.E. Dr. APJ Abdul Kalam in April 2006. The Institute was accorded university status

in August 2011 by the Government of Gujarat under the Gujarat Private Universities Amendment Act, 2011. The University continues to grow with the addition of education and research programs in physical sciences, engineering and business. The Foundation aspires that the University will become a model institution conducting education and research with real impact on our society, economy and the environment.

Our Vision

The leader in intellectual and professional influence for the benefit of the society and the economy

Our Mission

To provide outstanding professionally focused educational opportunities with a broadly-based curriculum and co-curricular programs that ensure our students will be most sought after by employers.

We will achieve this through world class research and innovation led academic programs in partnership with employers through student centered learning strategies and cutting edge leaning environments.

Our Ambitions

¤ Our University will be an outstanding place of learning and personal development for young people in our communities.

¤ Employers and research funders will be integral to our strategic development and learning of students and staff of the University.

¤ We will establish a school and a technical college on the campus in order to provide pathways for education and professional opportunities for young people in our communities.

¤ We will offer additional certificated education and training opportunities for our students in partnership with the community and industry partners to enhance career opportunities for our students.

¤ We will have innovative learning environments that will promote student centered learning with access to state of the art infrastructure.

¤ We will be the first choice for students and high achieving staff.

¤ Our students will be most preferred by top universities and employers.
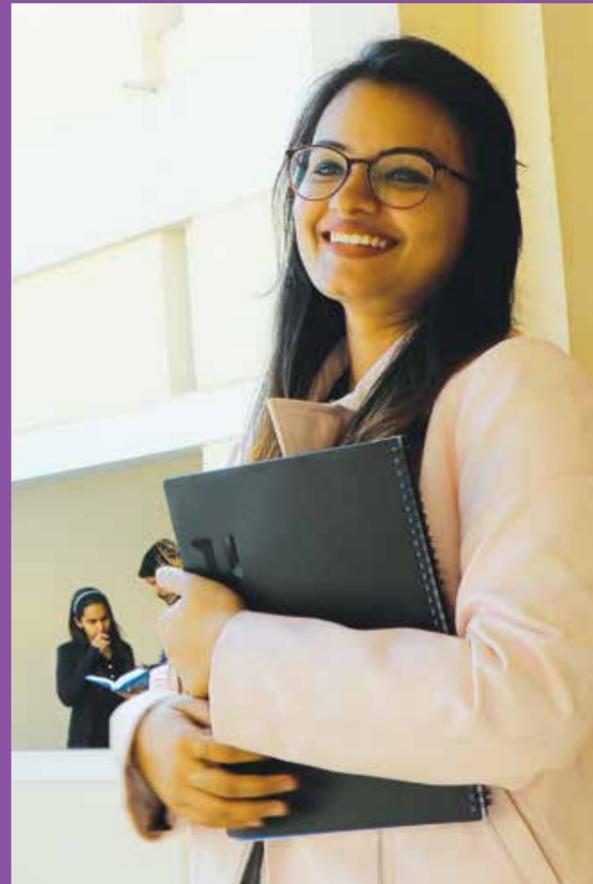

Our Education Philosophy

At the IAR we are committed to enable every individual student to achieve their best. In today's rapidly developing knowledge environment, expansion of robotics and artificial intelligence in every sphere of human activity necessitate innovative education models. Alongside provision of high quality education in the selected academic programs, we are committed to fostering creativity and confidence in our students. We are adamant that creative and confident graduates will be the most successful in their career and in their lives generally. Our success is reflected by the success of our graduates and we are determined to ensure that our graduates will be most preferred by world leading employers and universities.

Academic Programs
Undergraduate Programs

There is a good reason why our programs are highly sought after both by high achieving students and our graduates most preferred by the employers and other higher education institutions. The Institute of Advanced Research is a nationally recognized university for world class research in selected areas and with small class sizes, education is well rounded and personalized.

Whether you are seeking high quality education to further your knowledge or seeking a professionally focused and employment oriented studies, IAR has a range of courses and programs in Engineering, Sciences and Business Administration & Management.

Our range of courses are designed to develop in-depth knowledge in a specialist field of study as well as foster skills that are valuable in an employment context, such as creativity, effective communication, commercial awareness, analytical and critical thinking. Some of our courses are professional in nature while others are oriented more towards developing research skills and furthering an academic or research career.

Total number of seats available in 2019-20 academic year are 30 in each discipline. The admissions to the program are through the centralized online admission process conducted by the ACPC (Admission Committee for Professional Courses, Government of Gujarat). For details on eligibility, important dates and other information the prospective students should visit, <http://www.jacpcldce.ac.in/>

Note: *The fee for the program is as decided by the Fee Regulatory Committee, Government of Gujarat (FRC). No other fees, in any form, are charged for the program by the University.*

Career Opportunities: There are very few Academic Disciplines where one can move to Industry with a Bachelor Degree. B Tech degree facilitates its students with that option. The typical salaries in India may vary from 30000 – 60000 INR per month. Another career pathway could be to pursue higher education in India or abroad, opening up opportunities in research and teaching. Some of the career options after the completion of the program have been indicated below.

Engineers and Technologists undertake a diversity of professions. Some examples are:

- Design Engineer
- Operations Engineer
- Manufacturing Engineer
- Maintenance Engineer
- Computer Systems Engineer
- Software Engineer

- Networks Engineer
- Instrumentation and Control Engineer
- Sales Engineer
- Research Officer
- Lecturer

Program and course related queries can be directed to:
Dr. Ganesh Bajad | Coordinator, B Tech Program
Phone: 079 3051 4366 | Email: ganesh.bajad@iar.ac.in

Engineering
B Tech (Bachelor of Technology) - 4 Years / 8 Semesters

B Tech programs are professionally focused and job oriented. The programs are a blend of theory and practice based education and skill development. Alongside gaining knowledge in their chosen subjects, we provide students a range of opportunities for their development as professional engineers, with additional certificated training, industry visits, interaction with industry experts, self managed projects and other co-curricular activities.

In addition to the engineering subject knowledge, B Tech graduates will gain the following key skills that make them versatile and enable them take on jobs beyond their specialization:

- Analytical ability
- Logical thinking
- Team work

- Attention to detail
- Value of time and money

The Bachelor of Technology (B Tech) programs are currently offered in the following disciplines:
- **Computer Engineering**
- **Information Technology (IT)**
- **Chemical Engineering**
- **Biotechnology**
- **Electrical & Electronic Engineering**
- **Mechanical Engineering**
- **Information & Communication Technology (ICT)**

Academics
B Sc (Bachelor of Science) – 3 Years / 6 Semesters

Bachelor of Science or BSc programs are most popular for those who are interested in careers in scientific fields and for those who aspire to pursue higher studies at masters and PhD level.

The 3 Year Degree Program comprises of six semesters with 120 to 140 Credits and consists of theoretical and practical learning to prepare the graduates for jobs in industry, business and government or for higher studies in India or abroad.

The Bachelor of Science (BSc) programs are currently offered in the following disciplines:

- **Chemistry**
- **Mathematics**
- **Computer Science**
- **Physics**
- **Statistics**

- **Biotechnology**
- **Microbiology**
- **Life Sciences**

Career Opportunities: BSc, regardless of the specialization, is well established and most recognized degree in sciences with a diversity of career paths. In a world increasingly dominated by science and technology, study of sciences, which underpin technology, has become even more important increasing the demand for science graduates.

After the successful completion of the B Sc, graduates can pursue many careers as few below:

- Executive roles through competitive examinations
- Science Teacher
- Higher studies towards Masters and PhD
- Scientific Officer
- Research Assistant
- Technical Officer
- Quality Control Officer
- Computer Programmer
- Data Analyst

Program and course related queries can be directed to:
Dr. Dhaval Patel / Dr. Alok Pandya / Dr Payal Pandit
Coordinators (B Sc Programs)
Phone: 9925450504 / 9722608272 / 8980027926
Email: dhaval.patel@iar.ac.in / alok.pandya@iar.ac.in / payal.pandit@iar.ac.in

BBA (Bachelor of Business Administration)
3 Years / 6 Semesters

BBA is one of the most popular undergraduate programs of study in the specialized area of the business administration. Graduates gain knowledge broad range of subjects relevant to Business Administration giving them the knowledge and skills necessary for a multiplicity of jobs in business management and business administration.

Career Opportunities: BBA provides exciting career paths in the field of management. It provides opportunities to the students to specialize in a diversity of areas, such as international business, finance, real estate, information management, marketing, accounting and business management. Graduates can also progress towards the study of masters programs such as MBA and PhD.

The following BBA programs are available:
- **Human Resources**
- **Finance**
- **Marketing**
- **Entrepreneurship**
- **International Business**
- **Business Analytics**
- **Project Management**

BBA graduates are broadly educated in business and management subjects and therefore can undertake many kinds of jobs. For example:
- **Finance Manager**
- **Business Administration Researcher**
- **Human Resource Manager**
- **Research and Development Manager**
- **Business Consultant**
- **Information Systems Manager**
- **Marketing Manager**

Program and course related queries can be directed to:
Dr. Anurag Singh | Coordinator (BBA program)
Phone: 8726870163 | 9898770667
Email: anurag.singh@iar.ac.in

Academics
Postgraduate Programs

ADVANCED KNOWLEDGE FOR INNOVATION TO ADDRESS GLOBAL CHALLENGES

Well embedded research culture makes the Institute of Advanced Research a leading university for high quality postgraduate education. In this rapidly advancing knowledge environment, postgraduate education has become important. Whether it is to analyse complex technical problems or to operate effectively today's globalised business environment, advanced knowledge is increasingly sought by the employers.

A Masters level, students gain advanced knowledge in their chosen field of study as well as its interlinks with related subjects. This is particularly important as it is at the discipline interfaces that exiting new developments in sciences, technology and business emerge. Our educational philosophy prepares Masters graduates for exciting careers.

Masters programs typically are of two years or four Semesters duration with 80 academic credits including 20 credits for project work.

MSc (Master of Science)
- 2 Years /4 Semesters

MSc programs offer logical progression pathways for BSc graduates to specialize in their chosen area of interest and create pathways for senior jobs in industry or opportunities for research careers directly or following further study for Ph D.

The following MSc programs are available in the 2019-20 academic year.

- **Chemistry (Organic)**
- **Chemistry (Analytical)**
- **Chemistry (Industrial)**
- **Physics**
- **Biotechnology**
- **Microbiology**
- **Life Sciences**
- **Material Science**
- **Data Science**
- **Applied Physics**

Career Opportunities: MSc in a discipline provides mastery over a subject preparing the graduates for specialist roles. MSc invariably gives a competitive advantage to graduates in job market as well as creating routes into research and teaching careers either directly or following further study towards Ph D.

Following jobs are examples of types of jobs available to M Sc graduates:

- Product Development Scientist
- Operations Supervisor
- Laboratory Manager
- Research Scientist
- Ph D Scholar
- Lecturer

- Teacher
- Quality Control Manager
- Data Analyst
- Computer Programmer
- Process Development Scientist

Program and course related queries can be directed to:
Dr. Dhaval Patel / Dr. Alok Pandya / Dr Payal Pandit | Coordinators (M.Sc. Programs)
Phone: 9925450504 / 9722608272 / 8980027926
Email: dhaval.patel@iar.co.in / alok.pandya@iar.ac.in / payal.pandit@iar.ac.in

MBA (Master of Business Administration)
- 2 Years /4 Semesters

MBA program is a versatile higher degree that leads to senior management jobs. Unlike most other masters programs, MBA is accessible to undergraduate degrees from any discipline. Students will have the opportunity to gain educational foundation in business principles as well as their application through a combination of class-room activities, seminars, internships and company visits.

Career Opportunities: MBA offers some of most lucrative career opportunities with salaries well above those offered to most master's graduates. MBA graduates also enjoy exciting career paths.

Following jobs are examples of types of jobs available to MBA graduates:

- Management Consultant
- Investment Banker
- Marketing Manager
- Financial Manager
- Market Manager
- Business Analyst
- Operations Manager
- Business Development Manager

The following MBA programs are available:

- **Human Resources**
- **Finance**
- **Marketing**
- **Entrepreneurship**

- **Business Analytics**
- **Project Management**
- **Banking & Finance**

Program and course related queries can be directed to:
Dr. Jay Joshi | Coordinator (MBA Program)
Phone: 9427403907
Email: jay.joshi@iar.ac.in

MTech (Master of Technology) - 2 Years/4 Semesters

MTech programs offer advanced specialist study for those who are interested in gaining expertise in specific area of their discipline. MTech allows progression into PhD or senior level appointments in industry..

The following MTech programs are available:
- **Chemistry Engineering**
- **Computer Engineering**
- **Information Technology**

Career Opportunities

Students of MTech gain mastery in a discipline providing significant advantage in securing jobs in relevant sectors.

Following jobs are examples of types of jobs available to MTech graduates:

- **Product Development Engineer**
- **Design Engineer**
- **Operations Engineer**
- **Research Engineer**
- **Ph D Scholar**
- **Lecturer/Assistant Professor**
- **Project Engineer**

For program and course related queries can be directed to:

Dr Sunil Gowtham	Mr R C Goswami	Dr Abhay Dinker
Computer Engineering	Information Technology	Chemical Engineering

Doctor of Philosophy (PhD)

The education and training of doctoral students is one of the most important aspects of the Institute of Advanced Research. We offer PhD programs in all disciplines across in sciences, engineering and business.

A range of financial support is available to undertake PhD study at the Institute of Advanced Research. In addition to the financial support from the Institute of Advanced Research, scholarships are available from the UGC, CSIR, ICMR, MHRD, DST, SERB and DBT.

Career Opportunities

PhD graduates are sought after world-wide for research and teaching, and in industry and business.

Following the successful completion of the PhD qualification, graduates can seek many career paths such as:

- **Research Officer**
- **Research Scientist or Engineer**
- **Design Engineer**
- **University and College Faculty**
- **Postdoctoral Researcher**
- **Management Consultant**

For program and course related queries can be directed to:
Dr. Reena Rajput | Coordinator (PhD program)
Phone: 9898208138 | Email: reena.rajput@iar.ac.in

International Reach

Our promoter's charity is a multi-national group of companies, Purico Group, with its head office in Nottingham, UK. Many of the members of our faculty have extensive experience aborad, having worked in prestigious universities around the world. We also have academic and research links with leading universities in the US, Europe and Asia. The Institute of Advanced Research therefore is able to offer international opportunities for our students and graduates to pursue higher studies abroad. The following are some of the universities with which we have links:

- University of Minnesota, USA
- University of Rutgers, USA
- University of Nebraska, USA
- Virginia Tech, USA
- Mt Sinai School of Medicine, USA
- Old Dominion University, USA
- Nottingham Trent University, UK
- London South Bank University, UK
- University of Warwick, UK
- University of Zurich, Switzerland
- University Pierre et Marie Curie Paris, France
- University of Evry, France
- University of Helsinki, Finland
- Swedish University of Agricultural Sciences, Sweden
- University of Kostanz, Germany
- University Tuebingen, Germany
- Massey University, New Zealand
- Ulsan National Institute of Science and Technology, South Korea
- Osaka University Japan
- University of Tokyo, Japan
- Harbin Institute of Technology, China
- North West Polytechnical University, China
- Chongqing Jiaotong University, China

Training and Placement Cell

Training and Placement Cell (TPC) at the Institute of Advanced Research facilitates placements for eligible graduates and postgraduates leading to successful career paths. The cell liaises with companies, to conduct campus recruitment of graduates, postgraduate and doctoral (PhD) students.

The Training and Placement Cell is responsible for:

- Developing close links with industry through a range of mutually beneficial activities.
- Inviting industry experts on to our campus to interact with our students through specialist lectures and student projects.
- Ensuring our programs meet the needs of the employers by embedding employability skills alongside the industry-relevant curricula.
- Organizing seminars, symposia, exhibitions and workshops jointly with industry and business targeted at students.
- Facilitating joint dissertation projects for undergraduate, masters and PhD students with industry and businesses.
- Incorporating Industrial Training in all our academic programs.
- Organizing campus recruitment activities

Students who start their last year of their program are required to register with the Training and Placement Cell in order to be included in campus or off-campus interviews for placement in companies which seek our graduates.

The University offers training and guidance for all registered students in:

- Writing a good letter of application
- Preparing a comprehensive curriculum vitae
- Good interview techniques
- Presentation skills, and
- Skills for communication with potential employers

For further information, contact:
Dr Alok Pandya, Training and Placement Coordinator
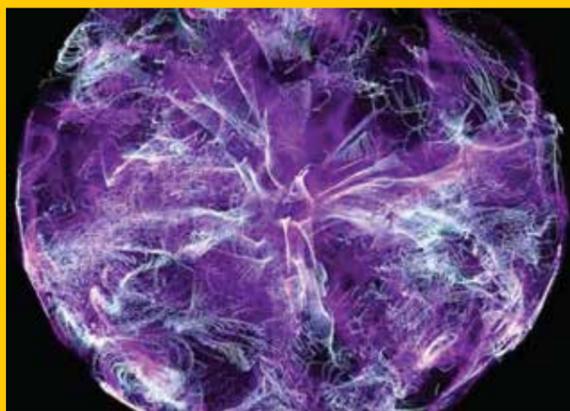*Phone: 9722608272 | Email: alok.pandya@iar.ac.in*

Research & Innovation

Institute of Advanced Research, since its inception, has been developing itself into a University of Excellence in Research and Innovation in order to help address the grand challenges of climate change, resource depletion and life-long health that the world confronts over the coming decades. Our focus is on multi-disciplinary research and development in order to maximize the impact of our work on our economy, society and the environment.

The University challenges and supports all faculty and research staff to undertake world class research and knowledge transfer. Cutting edge research laboratories at the University provide an ideal atmosphere to conduct high quality research. Our research is funded by grants from Department of Biotechnology (DBT), Department of Science and Technology (DST), Indian Council of Medical Research (ICMR), Gujarat Stare

Biotechnology Mission (GSBTM), Science and Engineering Research Board (SERB), Board of Research in Nuclear Sciences (BRNS), GUJCOST and many other funding agencies in addition funding from the Puri Foundation. We are also the recipient of the prestigious Program Support grant, Distributed Information Sub-centre (DISC) and grant from the DBT.

Some of the current research areas at the IAR are:

Plasma and its applications:

A research team led by **Professor K.S. Ganesh Prasad**, who is India's leading scientist in Plasma applications. This growing research team is conducting ground breaking research and development in partnership with industry on the industrial applications of Plasma including levitation of dust particles, rotating electrode process for the production of micron sized spherical particles of a range of materials including metals, de-binding and sintering process, Plasma smelting and reduction of ferrous ores fines, and microwave plasma.

Frontiers of Biotechnology:

One of the important research areas at the IAR is Biotechnology, which is well established and is nationally and internationally recognized. This world class research is wide ranging and includes demonstration of mechanisms of neuro-inflammatory and neurodegenerative disorders led by **Dr. Anand Tiwari.** Another team of researcher is making significant progress in unlocking the secrets of cancer. This research focuses on cellular signaling pathways, apoptosis, inflammation and their cross talk and role in cancer. This research is led by **Dr. C. M. Pathak** and **Dr.Reena Agrawal-Rajput**. IAR is has also well-established research in plant biotechnology. Our work in this area includes production of pharmaceuticals and neutraceuticals from plants and the role of chloroplasts and the reactive oxygen species generated by chloroplasts in the programmed plant cell death. Plant Biotechnology research is led by **Dr. BudhiSagar Tiwari**.

Sensor Development:

We have a growing activity in sensors. An interesting development under Dr Alok Pandya's team is the design of nano-sensors to sense the risk of cardiovascular disorders and to detect toxic substances.
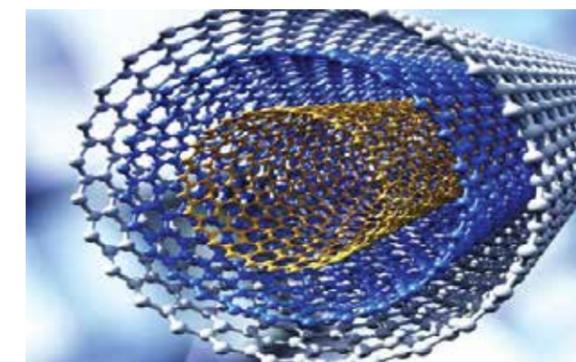
Computational Biology:

The IAR has been granted the status of Distributed Information Sub-Center by the Department of Biotechnology, Government of India for research work in emerging areas of computational biology. One of the prime focuses of **Dr. Dhaval Patel's** group is on identifying novel lead molecules against the pathogenic target and validates it through various biochemical and biophysical techniques.

Nanoscience and Technology

We have a growing research in Nanoscience. An interesting development under **Dr. Alok Pandya**'s team is the design of nano-sensors to sense the risk of cardiovascular disorders and to detect toxic substances. **Dr. Niranjan Patra**'s research focuses on advanced nanomaterials for high temperature applications. Nano chemistry and organic synthesis of micro and nanomolecules for optoelectronics applications is the focus of **Dr. Vivek Anand**'s work.

Engineering Innovations

Engineering research at IAR is multi-disciplinary and is industrial application oriented. Thermal Energy Storage is the main area of research in engineering is a key area of our engineering research and development. This work is led by **Dr. Abhay Dinker**. Another exciting program is on carbon nano tubes for energy storage devices conducted by **Dr. Ganesh Bajad**, who also is working on waste plastics processing using pyrolysis process.
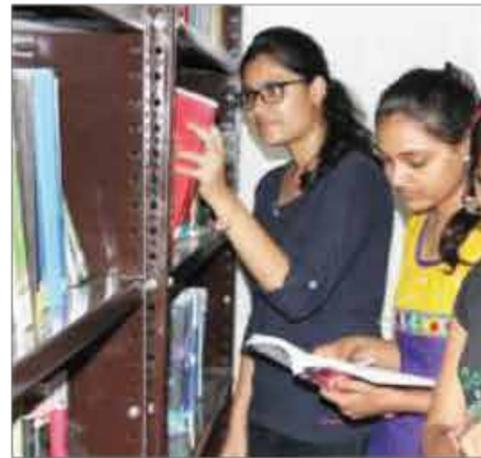
Environmental Engineering is another area of research dealing with wastewater treatment for water reuse, landfill leachate treatment are being studies to address the water crisis regionally and nationally. **Professor Rao Bhamidimarri** and **Dr. Gajendra Viswakarma** lead this area of research.

These are only some of the exciting research areas at the IAR. Further details on research and innovation can be found at http://iar.ac.in/research.html

Campus & Facilities

The Institute of Advanced Research is located in scenic green and natural area along the Knowledge Corridor at the Capital City of Gujarat. The university provides an excellent environment for learning, emphasizing the importance of faculty-student interaction in classrooms, laboratories.

Library The university has books and journals from relevant and complementary areas of courses of study offered. Computer and internet facilities are also available in the libraray. Photocopying, Printing and Scanning facilities are available in the library.

Hostel Facilities Limited number of hostel accommodation including AC & Non AC is available for students inside the campus. Seprate hostels are available for male and female students. Hostel accommodation is provided on shared basis. Furniture and other essential facilities are provided to hostel residents. The accommodation will have a single bed, matress, pillow, side table and a cupboard. Hot water facility is available in bathrooms. Wi-Fi facility is

available at the hostel. GIFT city (first smart city in India) is only about 5 minutes away from our campus. Students get an opportunity to be with the rapidly developing area.

Canteen Messing facilities and full day cafe are available for students in the hostel. Indian vegetarian meals are served. Canteen facilities are also available for all staff and students in the university.

Computer Center University has a dedicated computer center where students can access facilities as per their convenience.

Internet Broadband internet facilities are provided in the main building 'Student Center' and hostel complex at the University Campus. Students may avail higher bandwidth connections on payment basis.

Student Guidance Cell A student guidance cell has been created to assist students in day-to-day activities . It provides assistance, besides other issues such as admission procedure, hostel facilities, transport facilities, guidance to female students, arranging, financial support etc. Parents, Guadians, Students are advised to contact the guidance cell for advise and counselling on related issues.

Transport Taxi and Auto-Rickshaws are available for travel to Airport, Railway Stations and Bus stands. The University provides transport facilities for students coming from Ahmedabad and Gandhinagar on payment through a partnership with a neighbouring institution.

Sports Various indoor and outdoor sports facilities are available on the campus. Sports events are organised on regular basis in the campus. Students participate in Volleyball, Cricket, Athletics and other sports. Gymnasium with instructor is also available for students.

Cultural Activities Cultural activities are organized on regular basis at the campus. Students participate in dance, drama and song, creative work, recitations, rangoli, drawing and painting competitions in every semester. The students enjoy festivals and get togethar on festivals like Ganpati Puja, Independance Day, Christmas, Navratri and Diwali.

Picnics & Short Tours Picnics and short tours are organized to important cultural heritage sites, media houses, amusement parks and local entertainment locations and nature friendly environments.

Community Links

IAR has evolved to include the participation of all stakeholders: students, faculty, non-government organizations (NGO), and the local community. Over the years the students and faculty at the University have actively participate in outreach program where they contribute their knowledge, skills, and technical expertise to the community. At the same time, the University also has supported the program of several NGO's operating in the community and various other events.

Science & Start Up Conclave
eUReka

'eUReka' the annual event is a humble effort to offer an opportunity to students from Gujarat in terms of ideas/knowledge-sharing and to drive new paradigm shifts in science - technology, startup ideas presentation from all over Gujarat. This event aims at finding links and building relationships among students, scientist and industrialists. Invited speakers, Students and Educators from Colleges and School's across Gujarat participates in various events of 'eUReka'.

What they say about us

Khush Axay Shah
B.Tech, Chemical

IAR offers a blend of learning environment that makes it easy for a student to learn and inculcate the spirit to shine in a pool of never ending opportunities amongst the talented and hard-working students.

Ravindrasinh J. Rahewar
B.Tech, Chemical

Studies here are perfectly balanced with extracurricular activities nurturing our communication, teamwork and leadership skills that are an absolute necessity for success.
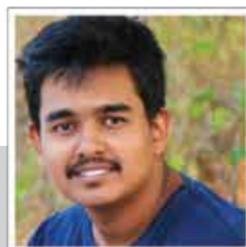
Yukta Rana
B.Sc, Biotechnology

Here we get hands on experience of science teaching and learning with a fine balance of academics and curricular activities that play a very important role in student's personal development.

Raghav Joshi
B.Tech, Computer Engineering

I can tell that the University vouches for the holistic development of the students and provides us the essential confidence building exposure preparing us for success in today's highly competitive world.

Gautam K. Bhattathiri
B.Tech, Computer Engineering

The congenial environment here has given me numerous opportunities to participate in curricular as well as extracurricular activities and groom my personality.

Bhumika Ajwani
B.Sc, Biotechnology

The institute has a nice ambience and highly specialised laboratories. There are equal opportunities for co-curricular activities also. Overall, it's a peaceful and likeable environment at IAR and I enjoy thoroughly.

Riddhi Contractor
B.Tech, Biotechnology

IAR, provides a great environment for research and education blended in student friendly environment for learning life skills to satiate our curious minds. Glad of my choice to be here...

Dhruv Patel
B.Tech, Computer Engineering

The classes are interactive; courses are challenging, yet very informative. The sports ground keeps us physically active. I am fortunate to be a part of this great university.

Medha Vyas
B.Tech, Information Technology

Studying at IAR has added a value to my life by giving me ample opportunities to learn from meeting people from various walks of life.

Kunal Shah, PhD Biochemistry, 2017 *Post-Doctoral Fellow, Institute of Molecular Biology, Eugene USA, University of Oregon, USA.*

I thoroughly enjoyed and appreciated my time at IAR as a graduate student. The faculty and staff helped me and provided every available opportunity from day one to achieve my professional goals and develop interpersonal skills. I appreciate the training and skillsets I received to become an independent researcher and scientist, which is helping me even today during my post-doctoral research work. .

Kishu Ranjan, PhD Biochemistry, 2017 *Post-Doctoral Fellow, Yale University, New Haven, USA.*

I did my doctoral research at Laboratory of Cell Biology, IAR, Gandhinagar. It was a great journey that taught me some of the important lessons that I will always cherish in my life. At present I am working at Yale University as a Postdoctoral Researcher. My current research interest is to explore the consequences of gene polymorphism in human diseases. I am sure the discipline and dedication that I learnt at IAR will help me in future endeavors.

Arun Kumar Singh, PhD Biotechnology, 2015 *Research Scientist, Mankind Research Center, Gurgaon.*

My sincere gratitude to IAR for providing world-class infrastructure and support to pursue my PhD. IAR foundation has amazing galaxy of Scientist and teachers to support and nurture student carrier.

Vijay Singh, PhD Biotechnology, 2014 *Senior Data Scientist, Innoplexus Pvt. Ltd., Pune*

I did my doctoral research at Department of Bioinformatics & Structural Biology, IIAR, Gandhinagar. I thoroughly enjoyed and appreciated my journey at IAR which taught me how to think independently. The faculty and staff helped me and provided every available opportunity from day one to achieve my professional goals and develop interpersonal skills. The huge amount of dynamics the varsity has is amazing and apart from teaching the place also taught me the discipline and dedication which will excel me in future endeavors.

Vinoth Kumar, PhD Biochemistry, 2017 *Post-Doctoral Fellow, Institute of Life Sciences, Bhuveneshwar, Orissa.*

The institute has provided me a good atmosphere to do a quality research. The good infrastructure and lab facility have supported me to achieve the goals. My entire Ph.D. tenure in IAR had been a memorable and remarkable experience.

Priyabrata Mohanty, PhD Biotechnology, 2017 *Post-Doctoral Fellow, Stephenson Life Science Centre, University of Oklahoma, Norman, USA*

Writing about IAR would be like remembering through the tinted glass of time. It was a funny experience working at IIAR like cool work environment, great teachers, good leaders, great support staff. Those birthday parties at the roof tops, good food and missing the love and affection I got from all. Miss good old days at IIAR.

Institute of Advanced Research
Admission Procedure

General Instructions To Candidates

Before applying to the University, each candidate is expected to read and study the University Prospectus and the application form carefully. These documents can be downloaded from university website (iar.ac.in) or candidates can make applications online, download the form and submit to the university admission office in all respect with eligible entries.

1. The application form must be complete and all entries legible.

2. Candidates can apply online, and send the completed hard copy of the 'application form' to the university admission office to reach on or before the last date.

3. Attested photocopies of documents metioned below should be attached with the application form.

First three documents for undergraduate students and all five for postgraduate students. Documents may be submitted before commencement of course.

a) (10 + 2) School mark sheet

b) Date of Birth certificate

c) Medical fitness certificate from a medical doctor (only for physically handicapped candidates)

d) Graduate course mark sheet

e) Degree certificate

f) Government I.D.

4. Original documents (e.g. certificates and mark sheets) should not be sent. However, Original documents will have to be produced at the time of interview and counselling.

5. Only candidates who are short-listed will be duly intimated for further admission process at IAR.

6. Please check the fees payable for the course before applying to the University. Fees are payable in advance before commencement of course. Students from financially weaker session of society may apply for part waiver of tuition fees.

All tuition fees are reviewed annually. Fees once paid will not be refunded.

7. Terms & Conditions : Candidates should make the application with the consent and approval of their parents/guardian. They must affirm that the information given in the application is complete and true to the best of their knowledge. They must undertake to abide by disciplinary rules and regulations of the University. The candidates also expected to undertake to abide by the regulations regarding course curriculum and academic standards as may be prescribed by the University from time to time. The candidates shall not do anything either inside or outside the University premises that will interfere with day to day function of university management, decorum and discipline. Candidates must understand that if the information provided above is not true, their admission for the course may be cancelled at any stage.

8. For online application

a) Photograph and Signature file size should be less than 50 kb. If photograph/signature is not uploaded while making online application, they may be provided at the time of counselling.

b) Copies of certificate are to be brought at the time of interview and counselling.

c) The submit button at the end of application form is considered e-signature for the candidate.

Completed application form, including application fees of ₹ 1000 should reach admission office of the Registrar latest by 10th July 2019.

Interview and Counselling :

Selected candidates will be called for an interview and counselling.

Admissions are based on merit list.

University Calendar

Last date for receiving application form :	10th July
Last Date for Admission :	10th July
Orientation for new students :	11th July
Commencement of Semester for new batch :	15th July
For B.Tech. Students :	as determined by ACPC

Fees:

1. Application Fees:
   A one-time non-refundable Fee of ₹ 1000/- is payable at the time of application.

2. Registration Fee:
   A one-time non refundable University registration fee of ₹ 10000/- is payable on enrolment.

3. Annual Tution Fee:
   Annual fee can be paid in two parts at the beginning of each semester.

4. Semester Fee:
   This fee includes Tuition fee, Laboratory fee, Industry visits, Library fee, Sports and Cultural Activities, Examination Fee, Internet and Communication, Electricity, and other University Overhead Expenses.

(Under Graduate)	Amount/Semester	(Post Graduate)	Amount/Semester
BBA	₹ 25,000	M Sc	₹ 35,000
B Sc *(120 Credits)*	₹ 30,000	MBA	₹ 50,000
B Sc *(Hons.) (140 Credits)*	₹ 31,500	PhD	₹ 20,000
B Tech	₹ 31,500* *(as fixed by FRC)*		

5. The fees are payable by last date of admission.
6. Fees are reviewed on annual basis considering input costs and other related issues. The year on year increase in fee may be about 10 % every year.

* Application fee and registration fee is not applicable to B.Tech student as their admission is made through ACPC

Our Faculty

Biological Sciences & Biotechnology

- Dr. Anand Krishna Tiwari, PhD, Associate Professor
- Dr. BudhiSagar Tiwari, PhD, Associate Professor
- Dr. Chandramani Pathak, PhD, Associate Professor
- Dr. Dhaval Patel, PhD, Assistant Professor
- Dr. Dhara Patel, PhD, Assistant Professor
- Dr. Priti Desai, PhD, Assistant Professor
- Dr. Reena Rajput, PhD, Associate Professor
- Dr. Suvendu Das, PhD, Assistant Professor
- Dr. G. S. Vishwakarma, PhD, Assistant Professor
- Dr. Ruchi Singh, PhD, Assistant Professor
- Ms. Devangi Thanki, Lecturer

Business

- Dr. Jaykumar Joshi, Assistant Professor
- Dr. Anurag Singh, Assistant Professor
- Dr. Radha Tiwari, Assistant Professor
- Dr. Dhara Rathod, Assistant Professor

Honorary Professors

- Dr. Robin Mackenzie, UK
- Dr. John Mawson, New Zealand
- Dr. Rakesh Jesra, RIL, India
- Dr. Andre Krol, Spain

Visiting Faculty

- Dr. V Natarajan, Professor
- Dr. A R Prasanna, Professor
- Professor Ben Tucker, UK

Physical Sciences

- Dr. Alok Pandya PhD, Assistant Professor
- Dr. Ravi Prakash PhD, Assistant Professor
- Dr. K S Ganesh Prasad PhD, Professor
- Dr. Gurudatt Gaur PhD, Assistant Professor
- Dr. Payal Pandit PhD, Assistant Professor
- Dr. Ritu Sahni PhD, Assistant Professor
- Dr. Roli Mishra PhD, Assistant Professor
- Dr. Satyendra Mishra PhD, Assistant Professor
- Dr. Hashmukh Gajera PhD, Assistant Professor
- Dr. Isha Talati, PhD, Assistant Professor
- Dr. Deeplaxmi, PhD, Assistant Professor
- Dr. Vivek Anand, PhD, Assistant Professor
- Dr. Anjali Mishra, PhD, Assistant Professor
- Ms. Divya Dileep, PhD(pursuing), Lecturer
- Dr. Niranjan Patra, PhD, Assistant Professor

Engineering and Computing

- Dr. G. S. Bajad, PhD, Assistant Professor
- Dr. Medha Patel, PhD, Assistant Professor
- Dr. Sachin Sharma, PhD, Assistant Professor
- Dr. Sunilkumar Gautam, PhD, Assistant Professor
- Dr. Abhay Dinker, PhD, Assistant Professor
- Mr. R C Goswami, PhD(pursuing), Assistant Professor
- Mr. Nitin Padriya, PhD(pursuing), Lecturer
- Mrs. Shubhangi Bajad, PhD(pursuing), Lecturer
- Mrs. Khushboo Chaudhary, M.Tech-NIT, Lecturer
- Mr. Chirag Makwana, M.Tech-DDU Nadiad, Lecturer
- Mr Mukesh Choubisa, M.Tech-ECA Ajmer, Lecturer
- Mrs. Vidhu Jain, M.S. Germany, Lecturer

The University for Innovation – Be part of it

As we progress further into the 21st century, the problems that world faces and their consequences on human life are better understood. These problems can only be solved through INNOVATION through future focused education, impact oriented research and application.

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We look forward to welcoming you to our campus.

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