



ARMIET
Alamuri Ratnamala
Institute of Engineering and Technology
(Run by Koti Vidya Charitable Trust)
Accredited by NAAC with 'B+' Grade
ISO 9001:2015 CERTIFIED

ARMIET STRATEGIC PLAN

2016 to 2021

Alamuri Ratnamala Institute of Engineering & Technology
(Affiliated to University of Mumbai)
A.S.Rao Nagar, Sapgaon, Shahapur (Tal.), Thane (Dist.)-421601

PROFILE OF THE ARMIET

Koti Vidya Charitable Trust was established in 2007. Under the Trust, Alamuri Ratnamala Institute of Engineering and Technology was established in the year 2008 at Shahapur in Thane District. Within a span of 11 years the college has gained tremendous credibility and has become a respectable place to study. Our path is based on the philosophy i.e. **“The student at our college is treated like a child and the teacher acts like a parent”**. This simple philosophy has lead our college to rise the height of fame. We, at our college, believe in working like a family and nurturing every student’s career in such a manner that they blossom in their career.

ARMIET is established for the purpose of imparting state of art technical education aspiring engineers. ARMIET plans to be a leading research organization with a vision of creating a knowledgeable engineers with a clear commitment to give back to society. The growth of any worthwhile endeavor, especially in the field of education depends to a considerable extent on the selfless service and dedication of the people working for it. Well defined policies, dedicated and experienced work force, a fully equipped library, state of art laboratories and ICT enabled Classrooms are few of the strong points which are worth mentioning.

ARMIET offers the Bachelor of Engineering, Master of Engineering, and Diploma in Engineering Programmers in as many as six different Engineering disciplines and also offers the Master of Management Studies Program in Management. ARMIET College is located in the lap of nature to keep the minds of the students fresh. The entire campus is wrapped around with serene natural beauty with the river Bhatsa flowing through the lush green trees and rich vegetation. The pleasant atmosphere amidst nature lends the feeling of having come to nature and inspires every student from morning to evening to feel fresh, concentrate in ones studies, and be focused on their goals. Thus, students are never too far away from their homes when they come to college for study. The Institute hopes that every ARMIETian would leave their own permanent mark of excellence and make everyone feel proud.

To illustrate some of the accomplishments, ARMIET College has been awarded the Global Education Excellence Awards for being the Best Private Engineering College in Thane District. The award was received by the ARMIET’s Chairman, Dr. Lavendra S. Bothra from the hands of Mr. Kirti Azad, Member of Parliament on 30th March 2015 in Delhi. ARMIET College has received Academic

Excellence Awards as the most promising Engineering College in Thane (Maharashtra) and the award was received from Mr. Ajay Jadeja. ARMIET has received the National Education Achievers 2015 Certificate of Excellence as the best emerging Engineering and Management Institute in Western India and the award was received from Ms. Amisha Patel.

The college provides transportation facility for students and faculty. The college campus is Wi-Fi Enabled with 50 MBPS internet Facility. The campus of ARMIET has amenities like Cafeteria, Boys and Girls rest rooms, safe drinking water, sports facilities, gymnasium, first aid. The college has Training & Placement Cell which provides 100% Placement Assistance to the students. Value added training includes Add-on program endeavors with more focus on project based learning, industry internship, bridging the gap between industry and academic, special focus on the Soft skill development & Communication for furthering the learning of all our students. The college has one 135 KVA and another 35 KVA generators and with more than 100 KVA inverter. Back-up for uninterrupted power supply. Various Technical and Cultural activities are arranged for students. The unique annual social gathering **“MATHRU DEVO BHAVA”**, which is an attraction to all, where everyone get chance to showcase their devotion to their mothers.

ARMIET follows the curriculum and syllabus structure designed by University of Mumbai. There is involvement of faculty in syllabus revision process of University. Senior faculties are members of Board of Studies.. For the effective implementation of the curriculum, the college and all departments define the educational objectives of the courses and the program, stating the required outcome. This is made in line with the University of Mumbai guidelines. Academic flexibility is achieved by offering advanced electives to final year students. All faculty members meticulously prepare their teaching plan for effective delivery of content in the classroom. The ARMIET organizes various activities regarding moral and ethical values, better quality education, placement and community development. The faculty of the Institute participates on regular basis in workshops and orientation programs conducted by the University of Mumbai to design and develop the curriculum. The program exit feedback and course exit feedback are obtained from students and analyzed to improve the academic standards. To bridge the gaps found in recorded mapping of the outcome, the college plans curriculum enrichment activities like STTP, add on courses, seminars, training sessions, industrial visits, workshops, internship activity, etc.

‘Best teaching and learning practices’ is the special feature of ARMIET. It focuses on providing solid academic experiences to its students which contributes to their personal and professional development. Well experienced and qualified faculty members are always striving hard for excellence in academics. All well defined processes related to teaching and learning are implemented as per the QMS. The vital features of teaching and learning are quality circle, QIP, slow-learner identification and remedial measures, proctor system, and remedial lectures for failures. Add on courses are conducted for supplementing the syllabus and enriching the content. Workshops, seminars, and trainings are conducted inside the campus and in industries, for increasing the employability of students. .Special focus on distinctive categories (SC/ST, OBC, Women, Differently abled, Economically Weaker Sections is also done.

The R& D cell is formed in ARMIET to monitor and address the issues of research and its roles and objectives are well defined. Under this cell, the institute takes measures to facilitate smooth progress and implementation of research schemes and takes efforts in developing scientific temper and research culture among students. Faculty involvement in active research projects and collaborative research activities are encouraged. Workshops, training program are organized by the institute with focus on building research culture among staff and student’s .Prioritized research areas and expertise in project implementation are available with the institute. Resource mobilization, budget for research, financial provisions are made available, to support students research projects. Interdisciplinary research also taken care of by the Research and Development cell. The institution ensures use of library resources and research facilities. The institute encourages faculty members to publish and present their research work in refereed journals and National and International conferences. Research publications and awards for achievements are given every year to motivate faculty and students. Faculty members are pursuing Ph.Ds from reputed Universities. Policies to promote consultancy, use of available expertise, and facilities for consultancy services are well defined, along with the policies in sharing income generated through consultancy and its use for institutional development under extension and outreach Programme. The institute has collaborations and MOUs with many industries and research institutes. Initiatives of the institution and its students in community participation, social activities, research work for underprivileged is encouraged.

The institute has adequate infrastructure for supporting the teaching and learning processes. The college has sufficient and well equipped laboratories, special purpose equipments, tools, computers and software. 100% classrooms have ICT facilities which offers conducive environment to nurture the quest for knowledge. There is an auditorium equipped with high tech facility and is used for conducting

seminar/conferences and other important technical events. Library has reference books, textbooks, periodicals, newspapers, magazines and other relevant resources. Stream-wise national and international journals and publications are subscribed for fostering research culture in the campus. The computer labs are furnished with the latest computer configurations linked through LAN for value added services like intranet, 24x7 Wi-Fi connectivity, audiovisual aids and e-mail. Sports facilities for all round development of the students are available in campus. There are playgrounds for outdoor games like box cricket, volleyball, football, tennis, basketball and Badminton. Facility for indoor games like chess, carom and table tennis is also made available. In addition well-furnished gymnasium is available. The institute has centralized administrative office and separate accounts section to assist efficient services to students and carry out administrative and accounting functions. The institute provides transportation facility to students and staff to commute from nearby places in the radius of 40 km at reasonable cost. This ensures timely and safe pick up and drop facility to students and staff.

ARMIET ensures smooth execution in regard to its admission procedure which is highlighted in the brochure published every year. Information about various scholarships and other financial aid is given to the needy and backward category students. Students' participation in national and international level curricular, extracurricular activities and sports facilities are provided by the Institute. The Institute takes efforts to facilitate entrepreneurial skills among the students. Full support and guidance is provided to the students in preparing for competitive examinations, career guidance, training and placement of students, identifying job opportunities and preparation for interviews. 'Nurture cell' as a specific initiative and endeavor of ARMIET provides counseling services to the students for related career, academic, personal, professional and psycho-social aspects and queries. Being a technical institute, special stress is laid to develop the communication and confidence of students through conducting group discussions, personal interviews and other activities. This starts right from the first year and goes up to the final year at ARMIET. Institute recognizes the right of all students to work and study in an environment free from harassment, bullying and unlawful discrimination. Processes are in place for staff and students to make complaints and raise their grievances with the college. Feedback is always welcome and the college is committed to effectively resolve the grievances. Ragging is totally prohibited in ARMIET, both inside and/or outside the campus. Students and women's grievances cell, anti-ragging, and sexual harassment issues are redressed and the Institute also takes care of different welfare schemes. We are proud that till now no such grievances are recorded since college is very pro-active in educating them on ethics and foster culture of brother hood. ARMIET College has implemented a very nice structure to groom the leadership among the faculty.

COURSES OFFERED BY ARMIET

DIPLOMA PROGRAMS IN ENGINEERING (Diploma)

- Diploma in Civil Engineering
- Diploma in Electronics & Telecommunication Engineering
- Diploma in Mechanical Engineering

BACHELOR PROGRAMS IN ENGINEERING (B.E.): -

- Civil Engineering
- Computer Engineering
- Electrical Engineering
- Electronics & Telecommunication Engineering
- Information Technology
- Mechanical Engineering

POST-GRADUATE PROGRAMS (M.E / MMS)

- ME (Computer) Computer Engineering
- ME (EXTC) Electronics & Telecommunication Engineering
- ME (Mechanical) Energy Systems and Management
- Master of Management Studies (MMS)

OUR BELIEF

“If you study to remember you will forget, but, if you study to understand, you will remember.”

“While we try to teach our children all about life, our children teach us what life is all about.”

“Never fear spoiling children by making them too happy. Happiness is the atmosphere in which all good affections grow.”

“There are only two lasting bequests we can hope to give your children. One of these is roots, the other wings.”

VISION

To become an institute of excellence by continuous implementation and updation of knowledge and up gradation of technical skills to serve the society and improve the quality of life.

MISSION

- To provide hands-on training by executing project based learning, industrial internships and value added programs.
- To teach students basic concepts of science and fundamental engineering principles by encouraging interdisciplinary approach for comprehensive broad based learning.
- To train professional thinking and attitude building to be sensitive to the needs of society.

QUALITY POLICY

We at Alamuri Ratnamala institute of Engineering and Technology (ARMIET), are committed to impart continual quality education & training leading to Post Graduate, Degree & Diploma in different branches of Engineering and Masters in Management studies. We would demonstrate continual improvement by complying with requirements, monitoring our abilities and implementation of quality management system. We aim to provide a platform for research and development by understanding and meeting industrial needs by developing technical skills, leadership quality, interpersonal skills and upholding the importance of professionalism and ethical practices. The quality policy is supported by quality objectives and is communicated through different modes of channels such as notices, web site, brochure and understood within the institution and is reviewed by management from time to time for sustained development and suitability.

QUALITY OBJECTIVES

1. To become a competent Educational & Research organization by cultivating research culture among faculty and students.
2. To make students of Alamuri Ratnamala Institute of Engineering and Technology globally competent with leadership qualities.
3. To strive hard for holistic development of students through co-curricular and extracurricular activities, trainings, and industrial exposure for developing industry ready technocrats.
4. To provide better career opportunities by motivating the employability and entrepreneurship skills.
5. To impart quality education to the students and to develop vision of state of art academic and professional fraternity.
6. To provide global platform to students and faculty for research, collaborative activities and education through interactive MOUs and tie ups with renowned national and international organizations and industrial groups.

LONG TERM GOALS

- To transform the institute into a Center of excellence for innovation in Computer Engineering and even in academics and research.
- To establish the institute as an international center of education and research through tie ups with renowned international universities and research centers.
- To be a premier institute having strong tie ups with reputed industries for giving more exposure to the faculty members and students through various collaborative activities.
- Setting up incubation center in each discipline.
- To establish Technology Commercialization Cell.

SHORT TERM GOALS

- To ensure all round development of students by fostering their academic, co-curricular and extracurricular skills through Value Added Programs.
- To give the best career opportunities to students by enhancing their employability and entrepreneurship qualities.
- To cultivate a research culture by guiding and encouraging faculty, developing state-of-art research facilities and through collaboration, consultancy and research funding.
- To impart quality education to students in order to prepare them to meet the global challenges.
- ISO Certification, NAAC Accreditation, NBA Accreditation
- To set up research centre recognized by the affiliating University, MU.

Strength, Weakness, Opportunity and Challenges (SWOC) Analysis

Strength

1. Qualified and experienced faculty.
2. Visionary Management.
3. Effective teaching learning process with innovative methods.
4. Special efforts for Skill development and add on courses offered to students.
5. Participative management style of functioning at all levels.
6. Good results
7. Distinctive efforts for Personal & Professional development of students
8. Student centric environment – Student is “GOD”
9. Well equipped laboratories with latest technology equipment and softwares
10. Ethical, stable, proactive and conducive environment for holistic development of the institute.

Weakness

1. Less number of funded Research and Development projects & patents.
2. Large variance in quality of students at entry level
3. Weak communication & presentation skills of students, affecting placement activity.
4. Less Consultancy projects
5. Location of the institute, remote and in rural area
6. Gap between University syllabus and industry needs

Opportunities

1. Developing Incubation center under Entrepreneurship Development Cell.
2. International Collaborations with institutes and universities.
3. Research center under different Programs.
4. Job opportunities for students in nearby industrial zone.
5. Developing a dedicated R&D center for interdisciplinary research.
6. NBA accreditation, permanent affiliation with University of Mumbai, Autonomy

Challenges

1. Improving the quality of entry students.
2. Faculty retention and supply of high quality teachers & Doctorates in Engineering.
3. Time & venue management for learning beyond syllabus, by students and faculty.
4. Nurturing communication & personality development of students coming from comparatively vernacular & rural set-up.
5. Changing attitude & interest level of students towards Engineering

STAKE HOLDER'S EXPECTATIONS

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| MANAGENT | <ul style="list-style-type: none"> • Good Governance • University Status • Achieving Vision & Mission • Sustainability • Social Responsibility |
| FACULTY & STAFF | <ul style="list-style-type: none"> • Good academic & working Environment • Career growth ,Encouragement for Research facilities & incentives • Enrolling and getting Degree of PhD. • Academic independence with accountability • Transparency and uniform processes • Staff Welfare |
| STUDENTS | <ul style="list-style-type: none"> • Quality Placement, career guidance and entrepreneurial opportunities • State of the art infrastructure • Good academic & research ambience • Support for co-curricular & Extracurricular activities • State of the art infrastructure • Project Based learning & Opportunity for talent exposure • International learning at affordable cost |
| PARENTS | <ul style="list-style-type: none"> • Branding • Quality teaching- learning • Disciplined students • Good placements |
| INDUSTRY | <ul style="list-style-type: none"> • Industry ready professionals with proper attitude • Strong fundamentals • Strong Industry-Institution interaction • Collaborative research, consultancy • Brand and accreditations of the institute |
| SOCIETY & OTHERS | <ul style="list-style-type: none"> • Graduates with Moral, Ethical and Responsible Citizenship • Social service activities by the institution • Skill development for needy • Resource centre for other institutions • Consultancy and Continuing education Programs |

STRATEGIC GOALS

ARMIET after looking at the Vision, Mission, Quality policy, Quality objectives, Long Term and Short Term Goals, SWOC analysis & Stake Holder expectations came to understand to establish Institution Strategic Goals (ISG)



STRATEGIC DEVELOPMENT PROCESS

The Chairman, Trustee and the members of the Governing Body have felt the need of preparing a strategic development plan for the institution in a formal written document format. The mandate was given to the Principal to develop strategic plan of 2016-2021 for the institution. The management & top leadership team met and brain stormed on SWOC and stake holders expectations. The Leadership team met a number of times, deliberated in detail and arrived at vision, mission, quality policy and core values for ARMIET. Environment scanning was done keeping vision in mind. The team also discussed about Institutes strategic High Level Goals (HLG) to be achieved by 2023.

Institution strategic goals formed the main theme for arriving at strategies, sub strategies and road to accomplish them. Each Strategy was deliberated and sub-strategies were arrived towards implementation plan. Implementation plan worked out all details such as budget, resources needed and leaders responsible to implement with time lines. This implementation is separately maintained by the head of the institution. Departments play a pivotal for the institution; hence each department worked out on their vision, mission and short & long term goals. The implementation plan for the departments also reflected all details such as budget, resources needed as well as leader responsible with time lines. HODs form the core team for implementing departmental goals under the guidance of Dean/ Principal. Strategic Development Plan emphasizes on evaluation measures, monitoring team along with deviation steps if any over a period of time. The evaluative components for each stake holder are clearly spelt out along with periodicity of performance evaluation reviews. The final draft document was discussed with BOG and after its detailed review, the suggestions were incorporated towards its effective implementation. This comprehensive plan forms the guiding plan for the years 2016-2021.

ARMIET STRATEGIC PLAN

ADMISSIONS :- Considering the admissions of every academic year we are highly thrust on giving career counseling of **SSC and HSC & Graduate** students and giving them all the details related to admission process including documentation required at the time of admissions. The entrance exam importance like **MH-CET or JEE** for BE admissions, **GATE** Exam for **ME** Admissions & **MH-CET, ATMA or CAT** exams for MMS admissions discussed with them.

AUTOMATION:- ERP will be implemented for attendance, fee collection, Examination Hall Ticket generation based on attendance, Social Welfare Receipt and reconciliation, MIS and FRA reports generation.

IT INFRA :- More ICT tools like Smart Boards & Studio class rooms will be purchased. Projectors have already been purchased for effective audio-visual teaching. Printers have also been purchased recently, which will be deployed as per the requirements. Card printer will be purchased in coming years. Licensed software will be used by MICROSOFT.

BUILDING & ASSETS:-

Library Section planning to connect with Classroom wing on second floor for giving more area to Library.

Entrance will be made more attractive and better facilities.

POP (Plaster of Paris) work will be undertaken. Broken Tiles etc. will get repaired time to time. Sports facilities will be improved.

HR:- Personal Files will be meticulously maintained.

Recruitment will be done through Naukari.com and through Advertisements in news paper. Attendance records will be maintained through ERP.

SKILL ORIENTED PROGRAM FOR EMPLOYABILITY ENHANCEMENT:-

- Pre-placement Training
- Mock Placement Activity
- Mock GD Sessions

- Industrial Visits
- Employment Weeks (VAP Course : LVAP & SVAP)
- Internships
- Student Training Programs

CROSS CUTTING ISSUES AND HOLISTIC DEVELOPMENT FOR STUDENTS

- Gender Equality: Organizing Street plays, medical camps , Blood Donation under NSS
- Rain water harvesting, Use of solar Energy
- Celebration of Yoga Day
- Environment Education- Tree plantation
- Human Rights NGO – Visit to orphanages, Collection of Donations during natural disasters.
- Celebration of National Events
- Celebration of Technical, Non technical, Cultural & Sports events
- Preparation of News Letters
- Traditional Day/Student Events Celebrations

PRINCIPAL