STRATEGIC PLAN 2020-2025

[Albertian Institute of Science and Technology - AISAT]

VISION

To be a centre of excellence for professional education and related services creating technically competent and ethically strong innovative minds committed to the overall growth of the nation and beyond

MISSION

★ We are committed to provide value-based education with ample opportunities for research and consultancy

★ We take every possible step to enhance the skills and bring out quality professionals, providing a friendly and growth-oriented ambience with appropriate resources

★ We improve ourselves through continuous evaluation and updation to meet the challenges and requirements of the modern society

Preface

Albertian Institute of Science & Technology - AISAT drafted out its five year strategic action plan for achieving the institution Mission. The strategic planning process was initiated by the IQAC to define the organisational goals and objectives. The Internal Management Committee (IMC) members were part of the process.

The Process

In order to have a better structure to the strategic plan, the Internal Management Committee adopted the four focus areas which are the guiding pillar goals for the institution. They are:

1. **Admission**:

    Objective - Enrol, educate, and graduate the most deserving, promising, and diverse student population possible.

    Action Items

    1. *Visibility of college*- Perceptibility of the institution are planned to be carried out showcasing the projects developed by undergraduate students, hosting social events in campus, publicising ourselves via digital media, lending an opportunity for school students to attend the summer camps organised and campus tour.

    2. *Coaching* - Coaching like IIT/JEE are to be organised in campus targeted at the future engineering aspirants. To inculcate higher order thinking skills and to make them exam competitive; trial examinations for KEAM can also be conducted.

    3. *Career Orientation* - Conduct career orientation programmes like "Gateway to Engineering", awareness sessions on choosing engineering path, organising exhibitions to provide valuable insights into various professions, helping students to arrive at a

decision about their future career path.

4. **Alumni Engagement** - To establish a robust alumni engagement framework, including alumni association, mentoring opportunities, internships and meet - ups to foster a strong network that benefits all the students.

2. **Student Outcome**:

Objective - To improve outcome of the institution by enhancing academic excellence, innovation in our students and thereby contribute to the betterment of society.

Action Items

1. **Personalized attention** - Emphasis to maintain a 1:20 mentor -mentee ratio will be an effective tool for supporting the students. Twice a semester each mentor has to meet the students to identify learning disabilities and implement corrective interventions on time.

2. **Skill Enhancement programs** - Different skill enhancement programmes are to be designed and carried out in the institution to enable the students to be technically competent.

3. **Differentiated Instructions - Innovative methods** - Students are classified into various learning categories to support them in their academics. Different innovative teaching styles like participative, experiential etc. are to be adopted which suit these categories.

4. **Integration of e-learning tools via AMS**- Various e- learning tools like NPTEL, coursera, EdX, D-space etc. are to be provided to the students to augment the interest of continuous self-learning among them. These are to be integrated through the Academic management system used in the institution.

5. **Add-on courses/ value added courses** - Several support courses which have custom designed syllabus covering recent technological

advancements are to be arranged by departments to aid the students in their academics as well as career development.

6. **Supervised Learning Sessions** - To improve academic performance of students, their learning and answering skills are to be enhanced. Each course faculty will aid the students with a well designed question bank containing questions of different difficulty levels. Additional sessions of 4 to 8 hours prior to each internal exam would help them learn how to answer the questions during exams along with time management.

7. **Reciprocal Peer Tutoring** - Brilliant students are to be assigned with weaker students to support them in their academics.

8. **Remedial support** - Support has to be rendered to needy students beforehand of their semester examination to help succeed their university exams.

9. **Student Support Program- Alumni** - Student support program to be designed to support those students who failed in the university examination. This can be implemented by faculty with the support of selected alumni also.

10. **Academic Clubs** - Proficient students are to be categorised to Managers club, Principals club, Vice Principal club and special rewards and benefits are provided to motivate them to excel and improve their academics.

11. **Laurel** - Meritorious students are to be appreciated by giving incentives/cash prizes.

12. **Socially Relevant & Innovative projects** - Students are to be encouraged to take up innovative socially relevant projects in their to instill the commitment towards the society.

13. **Internships/Technical training** - More collaboration/MoU with industries/firms/professional societies to promote internships/ training to provide valuable practical experience for students.

3. Career Guidance, Training and Placement

Objective - Conduct career orientation training and technical skill enhancement activities so as to be placed in core companies.

Action Items

1. *Placement Training* -In-house and external training programs to improve the communication, aptitude and technical skills are to be provided on a regular basis starting from pre-final year to mould the students to industry ready competent engineers .

2. *Career guidance* - Career guidance as well as awareness programmes on international studies are to be organised inviting successful industrialists, alumni, experts from various fields.

3. *Competitive Exams support* - Students are planned to be supported from the first year itself to face the competent examinations like GATE. Previous year questions with solutions are to be provided for each course which will help them better to prepare for those exams.

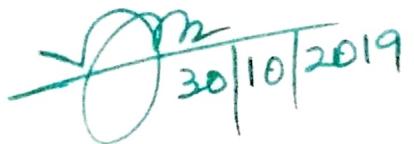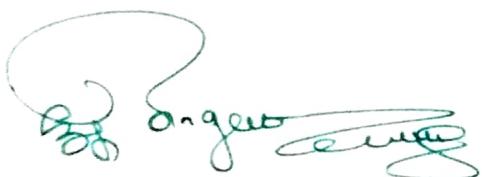## 4. Accreditation / Quality Initiatives :

Objective – Foster continuous improvement in educational quality to get global recognition.

Action Items

1. *ISO certification*- AISAT is ISO 9001:2015 certified institution undergoes annual surveillance audit to maintain the quality standards.

2. *Quality policies* - Manual of policies and organisational charts are regularly updated for the efficient functioning in academic and non-academic aspects of the institutions.

3. *NBA Accreditation*- Primary focus is pinned to achieve certification from the National Board of Accreditation within three years for the

Department of Civil Engineering and the Department of Electronics & Communication Engineering and other programs within a span of five years.

4. **Teaching Learning Process-** Regular analysis of university curriculum and provide course enrichment activities. Motivate all students by providing an education that is unique, distinct, and of the greatest quality with different pedagogical methods to instill a zest of learning in them.

5. **OBE Implementation** - An effective OBE policy to be formulated for the assessment and attainment calculation of CO-PO/PSO with provisions for upgradation.

6. **Examination reforms** - Continuous upgradation in assessment practices for theory/practical courses and Rubrics based evaluation for seminar/projects are implemented in tandem with the affiliated university to ensure quality measurements.

7. **Faculty Development Programmes** - Constantly organise / participate in faculty development programmes to foster continuous technical advancements and innovation among the teaching staff leading to professional excellence.

8. NAAC Accreditation - After the program accreditations ,the institution aims for NAAC accreditation and thereby achieving autonomous status.

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