STRATEGIC PLAN
2013-2018

SANDIP FOUNDATION

SANDIP INSTITUTE OF TECHNOLOGY & RESEARCH CENTRE,

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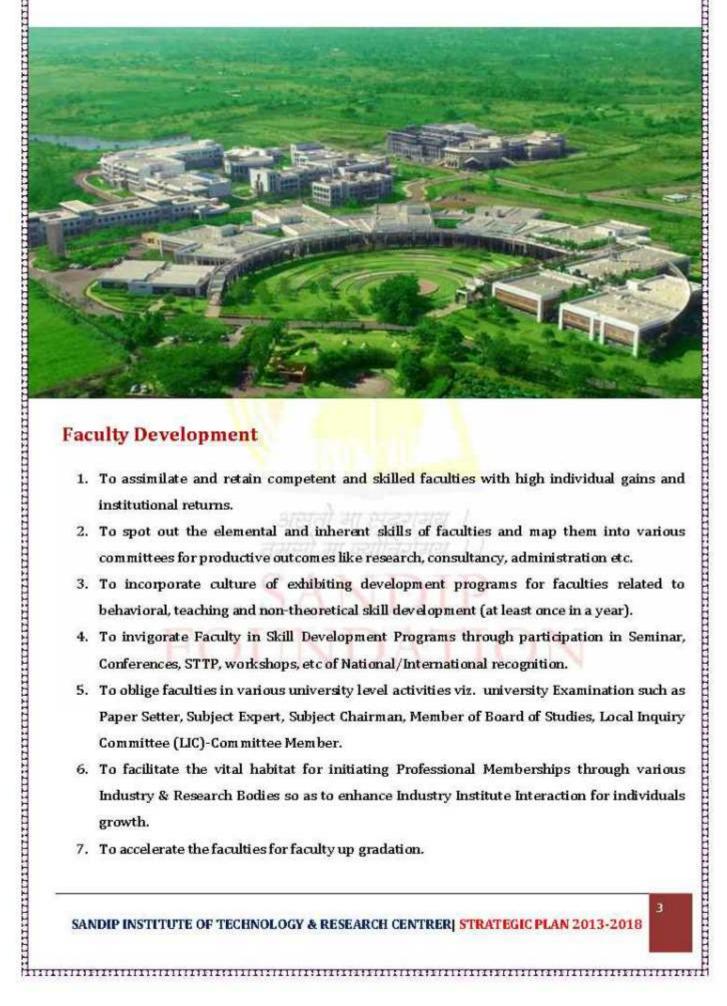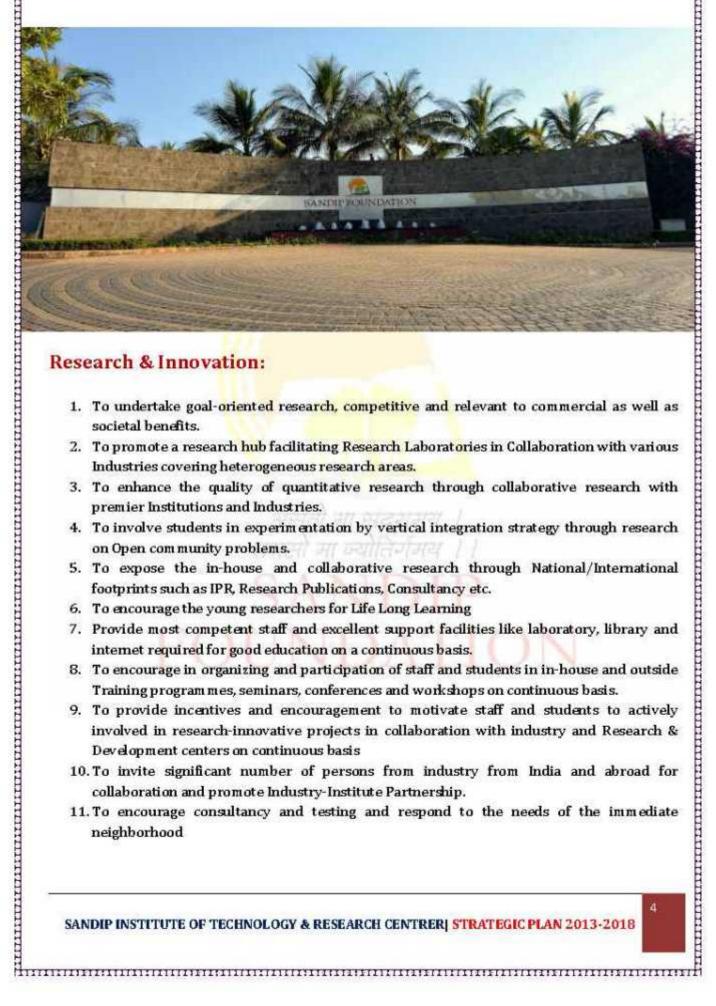
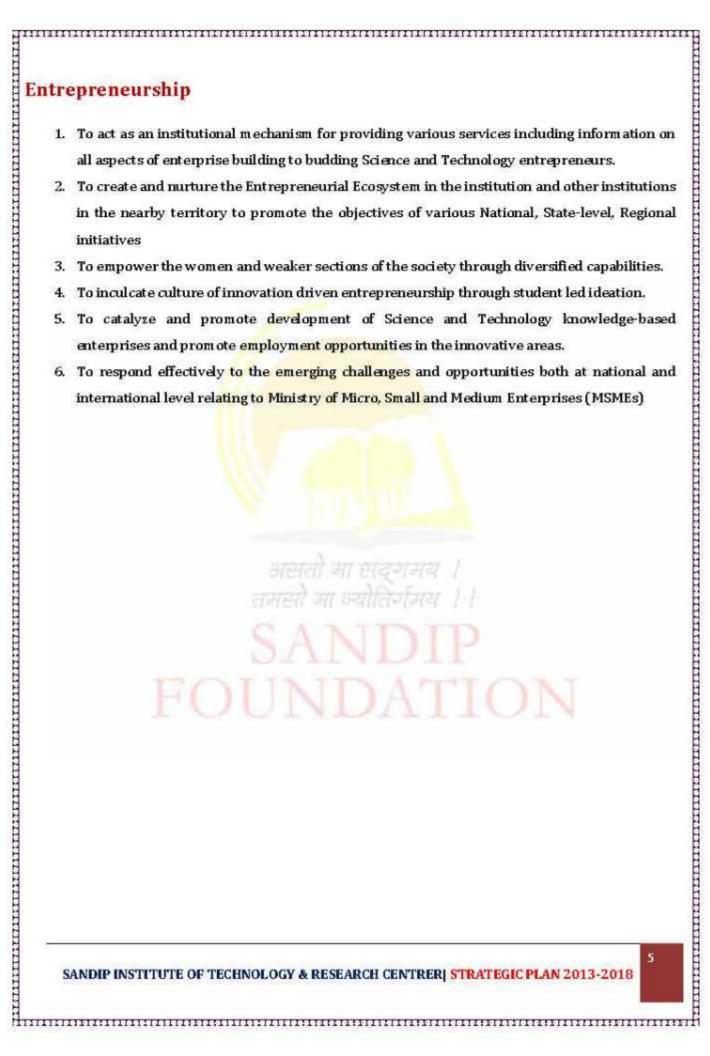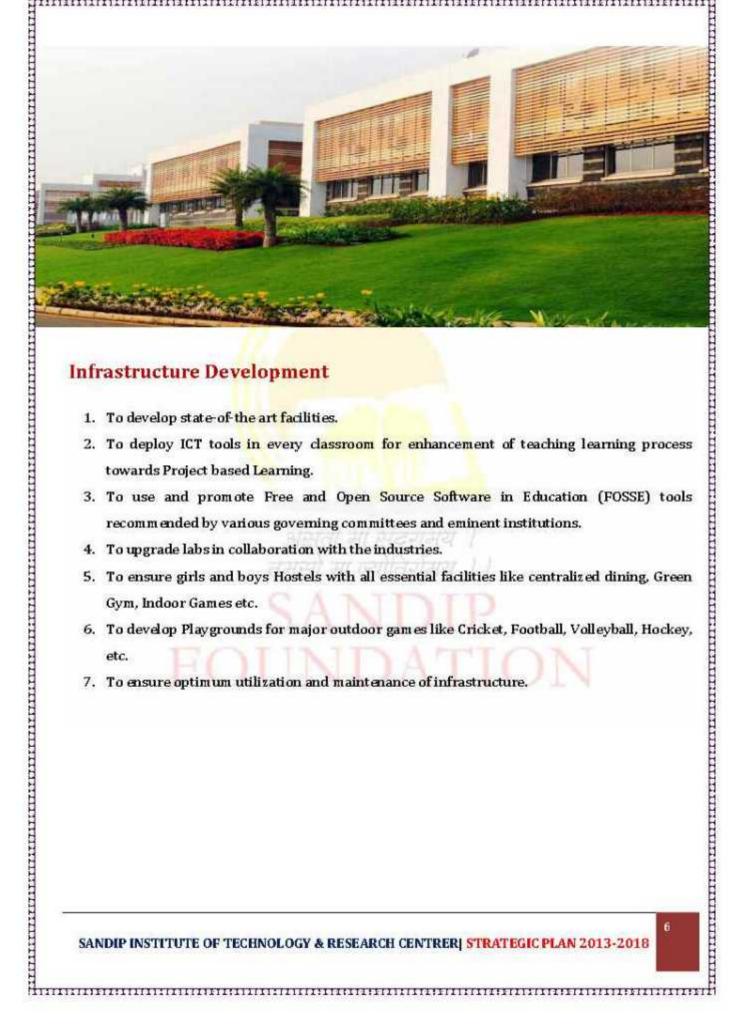# CONTENTS

1. Faculty Development

2. Research & Innovation

3. Entrepreneurship

4. Infrastructure Development

5. Student Development

6. Placement

7. Admission

8. Industry Interaction

9. Community Development

Faculty Development

1. To assimilate and retain competent and skilled faculties with high individual gains and institutional returns.

2. To spot out the elemental and inherent skills of faculties and map them into various committees for productive outcomes like research, consultancy, administration etc.

3. To incorporate culture of exhibiting development programs for faculties related to behavioral, teaching and non-theoretical skill development (at least once in a year).

4. To invigorate Faculty in Skill Development Programs through participation in Seminar, Conferences, STTP, workshops, etc of National/International recognition.

5. To oblige faculties in various university level activities viz. university Examination such as Paper Setter, Subject Expert, Subject Chairman, Member of Board of Studies, Local Inquiry Committee (LIC)-Committee Member.

6. To facilitate the vital habitat for initiating Professional Memberships through various Industry & Research Bodies so as to enhance Industry Institute Interaction for individuals growth.

7. To accelerate the faculties for faculty up gradation.

Research & Innovation:

1. To undertake goal-oriented research, competitive and relevant to commercial as well as societal benefits.
2. To promote a research hub facilitating Research Laboratories in Collaboration with various Industries covering heterogeneous research areas.
3. To enhance the quality of quantitative research through collaborative research with premier Institutions and Industries.
4. To involve students in experimentation by vertical integration strategy through research on Open community problems.
5. To expose the in-house and collaborative research through National/International footprints such as IPR, Research Publications, Consultancy etc.
6. To encourage the young researchers for Life Long Learning
7. Provide most competent staff and excellent support facilities like laboratory, library and internet required for good education on a continuous basis.
8. To encourage in organizing and participation of staff and students in in-house and outside Training programmes, seminars, conferences and workshops on continuous basis.
9. To provide incentives and encouragement to motivate staff and students to actively involved in research-innovative projects in collaboration with industry and Research & Development centers on continuous basis
10. To invite significant number of persons from industry from India and abroad for collaboration and promote Industry-Institute Partnership.
11. To encourage consultancy and testing and respond to the needs of the immediate neighborhood

Entrepreneurship

1. To act as an institutional mechanism for providing various services including information on all aspects of enterprise building to budding Science and Technology entrepreneurs.

2. To create and nurture the Entrepreneurial Ecosystem in the institution and other institutions in the nearby territory to promote the objectives of various National, State-level, Regional initiatives

3. To empower the women and weaker sections of the society through diversified capabilities.

4. To inculcate culture of innovation driven entrepreneurship through student led ideation.

5. To catalyze and promote development of Science and Technology knowledge-based enterprises and promote employment opportunities in the innovative areas.

6. To respond effectively to the emerging challenges and opportunities both at national and international level relating to Ministry of Micro, Small and Medium Enterprises (MSMEs)

Infrastructure Development

1. To develop state-of-the art facilities.
2. To deploy ICT tools in every classroom for enhancement of teaching learning process towards Project based Learning.
3. To use and promote Free and Open Source Software in Education (FOSSE) tools recommended by various governing committees and eminent institutions.
4. To upgrade labs in collaboration with the industries.
5. To ensure girls and boys Hostels with all essential facilities like centralized dining, Green Gym, Indoor Games etc.
6. To develop Playgrounds for major outdoor games like Cricket, Football, Volleyball, Hockey, etc.
7. To ensure optimum utilization and maintenance of infrastructure.

Student Development

1. To cultivate conducive environment for overall student development through progressive assessments, evaluations & their mapping for scope of improvement every year.

2. To facilitate the research laboratories for transformation of student's idea to prototype/ Proof of Concept (PoC)

3. To incorporate the culture of Project-based, participative and Experiential Learning amongst students.

   a. To identify the gaps in curriculum and bridge it through Value Addition Programs (VAP)

4. To organize Seminars, Colloquiums, MOOC facilitation for continuous learning through various methodologies.

5. To toil for Mock Preparations for Recruitment Processes are conducted & organized on regular basis through assessments, GDS & PIs.

6. To form and operate various student skills and activity clubs for co-curricular and extra-curricular development.

7. To prepare self-sustainable skilled team comprising of Industry Experts, Learned academicians, Soft Skill Trainers for student enrichment.

8. To evaluate the student's capabilities so as to focus on determined graduation outcomes viz. Placement, Higher Studies and Entrepreneurship.

9. To form and operate various cells related to welfare, grievance etc. for tackling students' academic and administrative issues

10. To provide remedial mentoring facilities for overall growth.

11. To provide the Gymnasium facilities to resident students.

Placement

1. To map students inclination for placements, higher studies and entrepreneurship.

2. To sharpen Employability Skills of students.

3. To identify and evaluate industry trends with employers.

4. To Promote Industry oriented curriculum through Value addition programs and expert sessions across the sectors.

5. To leverage networking and collaboration with Industry and Alumni.

6. To engage students in industry sponsored projects and research projects to add values of engineering fundamentals.
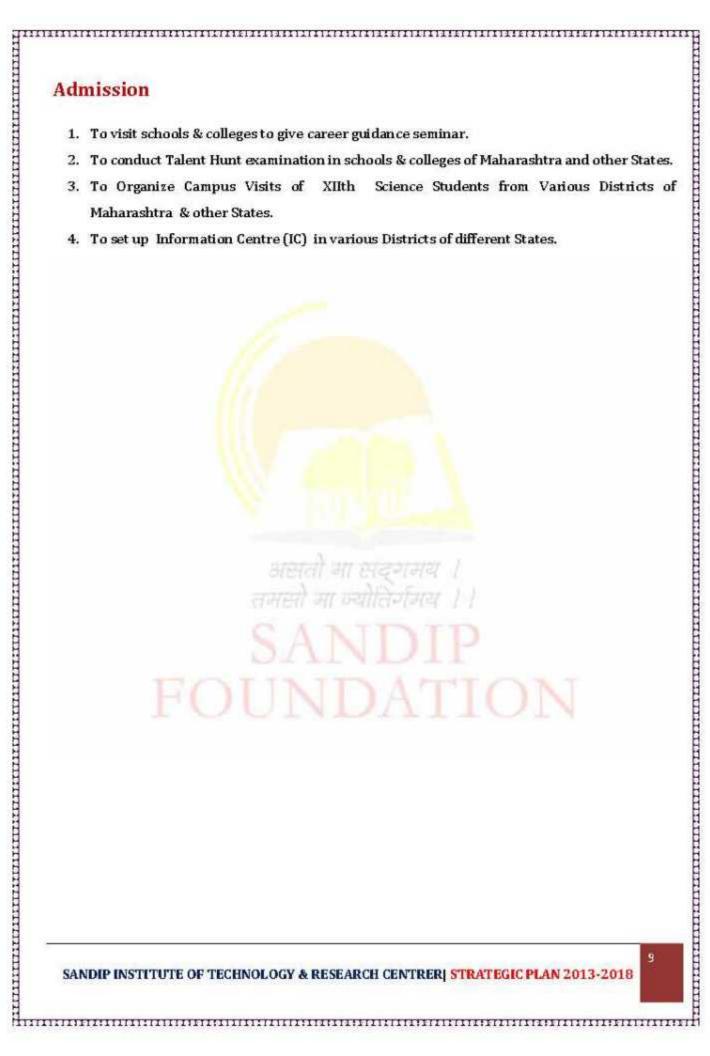
7. To develop and maintain long term relations with authorities of industry through social media, expert sessions, and industry- institute cooperation meet, technical sessions, etc.
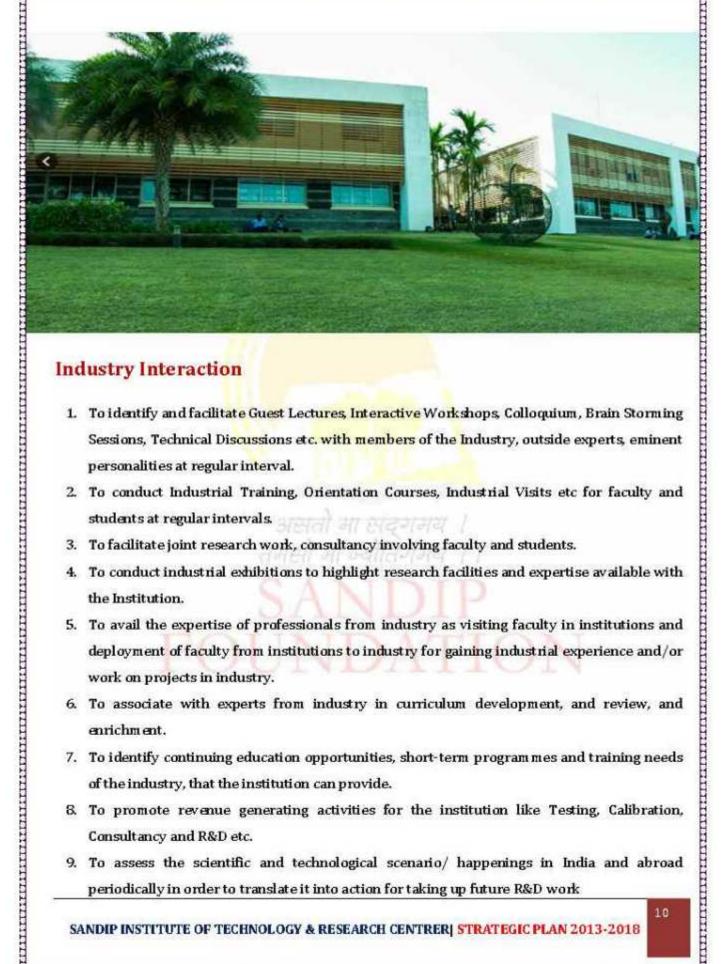
8. To provide platform for all the engineering and management graduates / post graduates of nearby colleges through Pool campus and Job fair activities.

9. To engage with employers actively seeking fresher graduate students.

10. To expand global career opportunities for students.

11. To explore the possibility of International Placements.

Admission

1. To visit schools & colleges to give career guidance seminar.

2. To conduct Talent Hunt examination in schools & colleges of Maharashtra and other States.

3. To Organize Campus Visits of XIIth Science Students from Various Districts of Maharashtra & other States.

4. To set up Information Centre (IC) in various Districts of different States.

Industry Interaction

1. To identify and facilitate Guest Lectures, Interactive Workshops, Colloquium, Brain Storming Sessions, Technical Discussions etc. with members of the Industry, outside experts, eminent personalities at regular interval.

2. To conduct Industrial Training, Orientation Courses, Industrial Visits etc for faculty and students at regular intervals.

3. To facilitate joint research work, consultancy involving faculty and students.

4. To conduct industrial exhibitions to highlight research facilities and expertise available with the Institution.

5. To avail the expertise of professionals from industry as visiting faculty in institutions and deployment of faculty from institutions to industry for gaining industrial experience and/or work on projects in industry.

6. To associate with experts from industry in curriculum development, and review, and enrichment.

7. To identify continuing education opportunities, short-term programmes and training needs of the industry, that the institution can provide.

8. To promote revenue generating activities for the institution like Testing, Calibration, Consultancy and R&D etc.

9. To assess the scientific and technological scenario/ happenings in India and abroad periodically in order to translate it into action for taking up future R&D work

Community Development

1. To conduct technical workshops for tackling various issues arising during religious festival such as Kumbhamela.

2. To conduct seminar & workshops in Urban & Rural areas for Women Empowerment.

3. To undertake various awareness programs on Road Safety.

4. To conduct NSS camp in rural areas for Health and Social awareness.

5. To celebrate International Yoga Day for human health awareness.

6. To conduct awareness camp on Computer Literacy, Cyber Security, Cyber Crime etc.

7. To undertake Tree plantation programs regularly to contribute towards green Environment.

8. To organize various Health Check up camps, Eye Check up, Blood Donation Camps on Foundation Day, Hon. Chairman Sir's Birthday and other occasions.

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