

ACE Deemed-to-be University



Application to UGC to declare ACE Engineering College
as ACE Deemed to be University.

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Introduction

This Detailed Project Report (DPR) serves as a supporting document for ACE Engineering College application to the University Grants Commission (UGC) for the esteemed status of a Deemed-to-be University.

ACE Engineering College, established in 2007 by the Yadala Satyanarayana Memorial Educational Society, fosters the potential of young engineering aspirants. Their mission is to nurture a talent pool of valuable and employable engineers equipped to contribute meaningfully to society. Professor Y. V. Gopala Krishna Murthy, a distinguished educationist, engineer, and motivator, leads the college's academic affairs. The college has achieved the prestigious status of an autonomous institution effective from the academic year 2020-21. In a significant achievement, ACE Engineering College was awarded an impressive 'A' grade by the National Assessment and Accreditation Council (NAAC) in May 2017 and is extended unto December 2025.

ACE Engineering College boasts a sprawling 12-acre 28 Guntas campus situated in a serene suburban location on the outskirts of Hyderabad, along the Hyderabad-Warangal National Highway. The tranquil environment, characterized by lush greenery and bordering urban forest land, evokes the spirit of ancient Indian Gurukulas, learning centres focused on holistic development.

ACE Engineering College offers a diverse range of Bachelor of Technology (B.Tech) programs in Civil Engineering (CE), Electrical and Electronics Engineering (EEE), Mechanical Engineering (ME), Electronics and Communication Engineering (ECE), Computer Science Engineering (CSE), with specializations in various fields such as CSE (AI&ML), CSE (DS), CSE (IoT) & Information Technology.

The application for the designation of "ACE Deemed-to-be University" under the University Grants Commission (UGC) "Distinct Category (Existing Institution)" as outlined in the UGC (Institutions Deemed to be Universities) Regulations, 2023, is submitted on behalf of ACE Engineering College.

This Detailed Project Report (DPR) outlines the vision for the proposed ACE Deemed-to-be University. Aspiring to be a distinct multidisciplinary education and research university, ACE DTBU will prioritize the strategic needs of the nation while embodying the core principles of the National Education Policy 2020. The DPR encompasses a comprehensive strategic plan for the university's development, alongside a robust financial plan designed to achieve operational scale and long-term sustainability.



DISTINCTIVENESS CRITERIA

1

Criteria for Demonstrating Distinctive Character in a Deemed-to-be University Application (Distinct Category (Existing Institution)) as per Regulations.

ACE Deemed-to-be University (ACE DTBU) possesses a unique two-fold distinction. First, it will address India's strategic priorities by focusing on environmental conservation, skill development, traditional knowledge, health science, engineering, business, and linguistic inclusivity. Second, it will align with the national goals outlined in the National Education Policy 2020. This commitment is reflected in its emphasis on flexible and interdisciplinary learning, multiple entry and exit pathways, and the cultivation of cultural and ethical values. The following sections will explore these aspects in greater detail.

1.1 Aligning with National Strategic Priorities

The elevation of ACEEC to a deemed-to-be-university under the "Distinctiveness" category underscores its unique position in the academic landscape. This status highlights ACE's exceptional capabilities and contributions in niche areas that align with national strategic priorities. This section outlines how it will leverage its distinctive strengths to address critical national needs through targeted initiatives in education, research, innovation, economic development, technological advancement, social inclusion, environmental sustainability, health.

Education and Skill Development

ACE's distinctive curriculum will be designed to meet the strategic needs of the nation, particularly in specialized fields identified by the National Education Policy (NEP) and other strategic frameworks. The university emphasizes advanced STEM education, vocational training, and interdisciplinary studies, tailored to the unique demands of the country. By fostering strong industry-academia collaborations, ACE will ensure that its educational programs are aligned with the current and future needs of the job market. Distinctive skill development programs in emerging fields further enhance the employability of graduates, addressing critical workforce shortages.

Research and Innovation

ACE Engineering College has collaboration with PALS IIT Madras which focuses on enhancing R&D activities through structured programs and competitions. PALS coordinates and funds these initiatives, while the institution appoints senior faculty and coordinators to manage participation and student

engagement. Physical programs involve shared costs, with ACEEC covering travel and lodging for participants, while PALS manages its team's expenses.

Additionally, the institution is responsible for facilitating infrastructure and communication. PALS also offers specialized seminars and access to IIT Madras resources, subject to availability, with additional charges for these extended services.

ACE DTBU will be continuing this collaboration, and its distinctiveness will be reflected in its commitment to pioneering research in areas of national importance, including defence technology, healthcare innovations, sustainable agriculture, and smart city development. The university aims to create a dynamic innovation ecosystem, featuring specialized innovation hubs, incubators, and accelerators that foster entrepreneurial ventures and startups. Through collaborations with government bodies, private sector entities, and international institutions, ACE DTBU will enhance its research capabilities. The university actively seeks national and international research grants to support projects that address the country's strategic needs.

Economic Development

ACE will play a pivotal role in driving economic development through its support for small and medium enterprises (SMEs), providing research, consultancy, and skill enhancement programs. The university's focus on regional development includes community engagement and tailored educational initiatives that boost the local economy. By increasing the employability of its graduates and supporting job creation in key sectors, ACE will contribute to the nation's economic growth and stability, demonstrating its distinctiveness in addressing economic challenges.

Technological Advancement

ACE's distinct approach to technological advancement will involve integrating cutting-edge digital tools across education, research, and administration to enhance efficiency and accessibility. The development of a robust ICT infrastructure supports online learning and digital innovation, positioning the university as a leader in digital transformation. It will also prioritize cybersecurity education and research, addressing critical national security concerns in the digital realm and showcasing its distinctive capabilities in this area.

Environmental Sustainability

ACE will champion environmental sustainability through the implementation of green practices on its campus, setting a model for sustainable operations. The university would conduct distinctive research on pressing environmental issues such as climate change, renewable energy, and sustainable agriculture. Educational programs designed to raise awareness about environmental stewardship further underscore ACE's commitment to sustainability, emphasizing its unique contributions in this field.



1.1.1 Upholding Environmental Stewardship

The recognition of ACEEC as a deemed-to-be-university signifies a major advancement in its commitment to academic excellence and societal impact. This transition highlights ACE's dedication to addressing the nation's strategic needs, particularly on environmental preservation. This section outlines how ACE will utilize its unique strengths to promote and implement environmental sustainability through comprehensive education, cutting-edge research, innovative practices, and active community engagement.



Advancing Environmental Education

ACE will integrate environmental studies into its core curriculum, emphasizing the importance of sustainability and conservation across various disciplines. The university will offer specialized programs in environmental science, sustainable development, and ecological management. It will ensure that students gain practical experience in addressing environmental challenges by incorporating field studies, internships, and project-based learning. These programs will equip graduates with the knowledge and skills necessary to lead in the field of environmental preservation.

Pioneering Environmental Research and Innovation

ACE will be committed to advancing research that addresses critical environmental issues such as climate change, and renewable energy. The university will establish research centres dedicated to sustainable technologies and ecological studies, fostering innovation in these fields. Collaborations with government agencies, industry partners, and international institutions will enhance ACE's research capabilities. It will actively seek grants and funding for research projects that contribute to environmental sustainability, positioning itself as a leader in this area.

Promoting Green Practices and Campus Sustainability

ACE will serve as a model for sustainability by implementing green practices on its campus. Initiatives such as energy-efficient buildings, waste reduction programs, water conservation measures, and the use of renewable energy sources will be prioritized. The university will also promote sustainable transportation options, such as cycling and public transit, to reduce its carbon footprint. By creating a green campus, ACE will not only demonstrate its commitment to environmental preservation but also provide a living laboratory for students and faculty.

Community Engagement and Environmental Advocacy

Beyond its campus, ACE will engage with local communities to promote environmental awareness and action. The university will organize outreach programs, workshops, and campaigns focused on sustainability and conservation. These initiatives will include tree-planting drives, clean-up campaigns, and environmental education programs in schools. By fostering a culture of environmental stewardship, the university aims to inspire individuals and communities to take proactive steps toward preserving the environment.

Integrating Technology and Innovation in Environmental Preservation

ACE will leverage technology to enhance its environmental preservation efforts. This includes developing and utilizing digital tools for environmental monitoring, data collection, and analysis. The university will explore the use of artificial intelligence, remote sensing, and geographic information systems (GIS) to address environmental challenges. By integrating technology into its sustainability initiatives, it aims to develop innovative solutions that can be scaled and replicated globally.

1.1.2 Conserving India's Cultural Legacy

ACE Deemed-to-be University aspires to become a distinguished leader within India's higher education landscape. The university is uniquely positioned to address the nation's strategic needs by actively engaging in the preservation and promotion of India's rich cultural heritage, with a particular emphasis on Vedic and Yoga studies. This section will delve into the distinctive features of ACE DTBU in this domain and its strategic significance in safeguarding this invaluable cultural legacy.

Preserving and Promoting India's Cultural Legacy:

ACE recognizes the profound significance of India's cultural heritage as a cornerstone of national identity, pride, and strength. The university is committed to actively safeguarding and disseminating this rich legacy through dedicated departments, research centres, and specialized academic programs. A particular emphasis will be placed on the preservation and advancement of Vedic knowledge and Yoga practices. By fostering in-depth exploration of ancient scriptures, philosophies, and spiritual traditions, the university aspires to ensure that India's cultural heritage continues to serve as a source of inspiration and enrichment for generations to come.



Vedic Studies

ACE positions Vedic studies as a central pillar within its academic curriculum. Rigorous academic programs will offer a deep dive into the intricacies of Vedic literature, encompassing philosophy, rituals, and scientific traditions. These programs will equip students with a profound understanding of India's ancient wisdom. Furthermore, ACE is committed to actively contributing to the preservation and interpretation of Vedic knowledge. Through scholarly research, seminars, and publications, the university will shed light on the enduring relevance of Vedic knowledge in the contemporary world. Additionally, these efforts will explore the potential contributions of Vedic studies to various disciplines across the academic spectrum.

Integration of Traditional Knowledge

A hallmark of ACE Deemed-to-be University's approach is the seamless integration of traditional Indian knowledge systems with contemporary education. Recognizing the profound contributions of Vedic and Yoga studies to holistic learning and personal development, the university incorporates these disciplines into its broader academic framework. Students will have the opportunity to explore interdisciplinary connections between Vedic/Yoga studies and diverse fields such as health sciences, and environmental studies. This innovative approach fosters a deeper appreciation for India's cultural heritage within a contemporary context, enriching the educational experience and equipping students with a well-rounded perspective.

Fostering a Vibrant Cultural Tapestry

ACE extends its commitment to cultural heritage beyond the academic sphere, actively promoting cultural awareness and appreciation among its student body and the broader community. The university will serve as a vibrant hub for cultural engagement, hosting a diverse array of events, including:

- **Cultural festivals:** These celebrations will showcase India's rich tapestry of traditions, featuring Vedic rituals, classical music and dance performances, and art exhibitions.
- **Seminars and workshops:** These in-depth sessions will provide opportunities for dialogue and learning, exploring the philosophical underpinnings of Indian culture.
- **Outreach programs:** Engaging programs will extend beyond the university walls, fostering cultural exchange and understanding within the wider community.

Through this multifaceted approach, the university aspires to nurture a sense of pride and belonging amongst individuals from diverse backgrounds. These initiatives will contribute to promoting national unity and harmony, fostering a spirit of inclusivity and mutual respect.

Yoga Studies: Cultivating Mind, Body, and Spirit

ACE recognizes Yoga as an integral aspect of India's cultural heritage and a cornerstone of its academic focus. The university will offer comprehensive Yoga studies programs, encompassing both theoretical knowledge and practical applications. Students will delve into the philosophical foundations of Yoga, while simultaneously engaging in physical practice, meditation, and therapeutic techniques. By promoting the holistic benefits of Yoga for physical, mental, and spiritual well-being, ACE DTBU aspires to play a pivotal role in revitalizing and disseminating this ancient Indian tradition to a global audience.

1.1.3 Multidisciplinary Excellence

ACE deemed-to-be university aims to align its mission with India's strategic priorities, in the fields of health science, engineering and computer science, and business. This alignment is in accordance with the National Education Policy 2020 (NEP 2020), which seeks to transform India's education landscape to meet contemporary needs and future challenges.

Health Sciences

In the realm of health science, the university will focus on creating a workforce equipped with advanced skills to support and enhance the healthcare system in India. By offering cutting-edge programs in this field, the university will address the growing demand for healthcare professionals who can operate modern medical technologies and provide high-quality patient care. The curriculum will incorporate the latest advancements in medical science, emphasizing practical training and research. This approach will not only improve healthcare delivery but also contribute to India's goal of achieving universal health coverage and improving public health outcomes.

Engineering and Computer Sciences

The field of computational science and engineering is crucial for India's technological and economic growth. The university's programs in this domain will aim to produce graduates proficient in civil, mechanical, data science, artificial intelligence, machine learning, and other emerging technologies. By fostering a strong foundation in computational skills, the university will contribute to the development of innovative solutions to complex problems in various industries, including healthcare, finance, and manufacturing. This focus aligns with India's Digital India initiative, which seeks to transform the country into a digitally empowered society and knowledge economy.

Business and Commerce

Business and commerce are essential for driving economic growth and fostering entrepreneurship in India. The university will offer comprehensive programs that blend theoretical knowledge with practical applications in these fields. Students will gain insights into global economic trends, financial markets, and business strategies, preparing them to navigate and succeed in a dynamic economic environment. By promoting an entrepreneurial mindset and encouraging innovation, the university will support India's efforts to become a hub for startups and small businesses, thereby boosting job creation and economic development.

Integrative Approach

The university's integrative approach will ensure that students from all disciplines benefit from a holistic education that emphasizes interdisciplinary collaboration. For instance, students in health science can leverage computational tools to enhance medical research, while those in business, and commerce can apply data analytics to make informed business decisions. This synergy will foster a learning environment where knowledge from different fields converges, leading to innovative solutions and a comprehensive understanding of complex issues.

1.1.4 Investing in Skill Building

The recognition of ACEEC as a deemed-to-be-university signifies a transformative step toward fulfilling its mission of academic excellence and societal contribution. This new status underscores ACE's commitment to addressing the nation's strategic needs, particularly in the realm of skill development. This section explores how ACE will leverage its unique capabilities to advance skill development through innovative education, targeted training programs, industry partnerships, and community initiatives.



Advancing Skill Development Through Education

ACE will prioritize the integration of skill development into its academic framework. By offering a range of programs, ACE aims to equip students with the practical skills required in today's job market. The curriculum will be designed to include hands-on training, internships, and project-based learning, ensuring that students gain real-world experience.

Targeted Training Programs

ACEEC provides trainings under “**THE BUTTERFLY**” skill development program

I Year:

- Competitive Coding Program: Training in Competitive Coding, C, and Python.
- BEC (Business English Certification): Program for improving communication skills.
- Aptitude: Students will be trained in Quantitative Ability, Reasoning Ability, and Verbal Ability.

II Year:

- Advanced Aptitude: Training in advanced quantitative, reasoning, and verbal ability.
- Soft Skills: Training in behavioural skills.
- Competitive Coding: Training in Java, Data Structures & Algorithms.

III Year:

- Placement Registration
- Advanced Data Structures, Algorithms, and FullStack
- PEGA Certification Course
- CISCO, Cyber Security, AWS Training
- ServiceNow, Salesforce, & RPA Training
- Assessment Tests: (Cocubes, Elitmus, AMCAT, etc.)
- Training for Coding Challenges: Like Infosys-InfyTQ, HackwithInfy, TCS-CodeVita, etc.
- Campus Recruitment Training
- Virtual Internships

IV Year:

- Company-Specific Training
- Mock Interviews
- Internships Followed by FTE (Full-Time Employment)
- Job Fairs

ACE will commit to providing targeted training programs that cater to the specific needs of various industries. These programs will be developed in collaboration with industry experts to ensure they meet current and future workforce demands. Short-term certification courses, workshops, and professional development programs will be offered to help individuals enhance their skills and stay competitive. ACE will also focus on reskilling and upskilling initiatives for working professionals, enabling them to adapt to technological advancements and changing job requirements.

Industry Partnerships and Collaborations

Building strong partnerships with industry is central to ACE's approach to skill development. The university will establish collaborations with leading companies, industry associations, and government agencies to create a dynamic ecosystem for skill development. These partnerships will facilitate internships, apprenticeships, and on-the-job training opportunities for students. Additionally, industry experts will be invited to contribute to curriculum development, guest lectures, and mentorship programs, ensuring that the training provided is relevant and aligned with industry standards. ACEEC has several collaborations and industry partnerships which will be continued by ACE.

S No.	Name of the Organization	Purpose	From	Location
1	Aptivex Solutions Pvt Ltd	Skill Development & Placements	2024	Hyderabad
2	PALS - IIT Madras	Startups, R&D	2023	Madras
3	FoundersLab	Startups, R&D	2023	Hyderabad
4	Myra's Academy Pvt Ltd	Skill Development & Placements	2023	Hyderabad
5	ChargeKart Pvt Ltd	R&D	2023	Hyderabad
6	ExcelR Solutions	Skill Development	2023	Hyderabad
7	Cymax Infotainment Pvt Ltd	Startups, R&D	2023	Hyderabad
8	University of Silicon Andhra	Education and Research	2023	California, USA
9	Sohan Academy of Human Excellence	Skill Development	2022	Hyderabad
10	AICTE - Pupilfirst - LITE	Adaptive Learning	2021	Kerala
11	Hyderabad Institute of Electrical Engineers	Skill Development & Placements	2021	Hyderabad
12	Smart Infr - EST	Skill Development and Internships	2021	Hyderabad
13	DeepSphere.AI	Skill Development and Internships	2021	Hyderabad
14	ByteXL Corporation	Skill Development	2020	Hyderabad
15	AICTE - Bennett University - Lead India AI	AI/ML Programmes	2018	New Delhi
16	Applied AI Technologies Ltd.	AI/ML Online Course	2018	Hyderabad
17	Telangana Academy for Skill and Knowledge (TASK)	Placements	2019	Hyderabad

Leveraging Technology for Skill Development

ACE will leverage cutting-edge technology to enhance its skill development initiatives. The use of digital platforms, simulation tools, and online learning modules will provide flexible and accessible training options for students and professionals. Virtual labs and augmented reality (AR) applications will offer immersive learning experiences, allowing learners to practice and refine their skills in a controlled environment. By integrating technology into its training programs, ACE aims to deliver high-quality education that meets the demands of the digital age.

Fostering an Entrepreneurial Mindset

ACE LaunchPad is an innovative program designed to nurture and support budding entrepreneurs within ACE Engineering College. Established by Founder'sLab for R&D and Innovations, the initiative addresses the common challenges faced by aspiring entrepreneurs in educational settings with limited resources. The program aims to cultivate a dynamic entrepreneurial culture, encouraging creativity and innovation among students. ACE LaunchPad provides resources, mentorship, and support to help turn ideas into successful ventures, fostering a vibrant community of future leaders and innovators.

ACE DTBU will continue to foster an entrepreneurial mindset among its students by integrating entrepreneurship education into its skill development programs. Students will be encouraged to develop innovative solutions to real-world problems and to start their ventures. The university will provide incubation and acceleration support, including access to funding, mentorship, and business development services.

1.2 Distinctiveness Rooted in NEP 2020

ACEEC stands poised at the threshold of transformation into a deemed-to-be-university, a testament to its unwavering commitment to excellence in higher education and alignment with the visionary goals set forth by the National Education Policy (NEP) 2020. Embracing NEP 2020's mandate for holistic, inclusive, and forward-thinking educational practices, ACE will redefine the landscape of higher education in India. Through its innovative approach to curriculum design, emphasis on interdisciplinary learning, promotion of digital education and skill development, and dedication to research excellence and societal engagement, the University aims to meet the evolving needs of students and industries and catalyze national development through transformative education initiatives.

01 Multidisciplinary and Holistic Education

- **Interdisciplinary Programs:** ACE will offer a broad range of interdisciplinary programs integrating engineering, sciences, performing arts, business, and other subjects. This approach will enable students to gain diverse knowledge and skills, fostering a well-rounded education.
- **Flexible Curriculum:** The university will provide flexibility in course selection, allowing students to pursue varied interests. This flexibility encourages students to explore multiple disciplines, promoting a more comprehensive learning experience.
- **Holistic Development:** ACE's educational framework will focus on developing critical thinking, problem-solving, and creative skills. These competencies are essential for students to navigate and excel in a rapidly changing global environment.

02 Emphasis on Research and Innovation

- **Research Centres and Innovation Hubs:** ACE will establish state-of-the-art research centres and innovation hubs that address contemporary challenges and advance knowledge across disciplines. These facilities will serve as incubators for groundbreaking research and innovation.
- **Collaborative Culture:** The university will foster a culture of inquiry, creativity, and collaboration among students and faculty. This environment will encourage the development of new ideas and solutions to complex problems.
- **Funding and Partnerships:** ACE will enhance its research capabilities through strategic funding opportunities, industry partnerships, and international collaborations. These resources will support high-impact research projects and innovations.

03 Integration of Technology in Education

- **Digital Learning Platforms:** The university will implement advanced digital learning platforms, virtual labs, and comprehensive online resources to provide students with flexible and personalized learning opportunities. These technologies will facilitate a more engaging and effective learning experience.
- **Cutting-edge Tools:** ACE will utilize artificial intelligence, data analytics, and interactive multimedia tools to enhance the quality of education. These tools will help students acquire the modern skills necessary for the digital age.
- **Skill Development:** By integrating technology into its educational framework, ACE will ensure that students are equipped with the skills needed to thrive in a technology-driven world.

04 Promoting Skill Development and Employability

- **Vocational Training:** ACE will offer industry-relevant certifications and experiential learning opportunities, including vocational training. These programs will bridge the gap between academic knowledge and practical skills.
- **Industry Collaborations:** The university will collaborate with leading companies to provide internships and on-the-job training, ensuring that students gain real-world experience and are job-ready upon graduation.

05 Fostering Inclusivity and Accessibility

- **Scholarships and Financial Aid:** ACE will provide scholarships and financial aid to ensure that education is accessible to all students, regardless of their socio-economic background. This commitment to affordability will help remove financial barriers to higher education.
- **Support Services:** The university will develop special programs to support marginalized and underrepresented groups. These programs will include academic support, counselling services, and mentorship opportunities.
- **Inclusive Environment:** ACE will foster an inclusive campus environment where every student feels valued and supported. This inclusive culture will encourage diversity and ensure that all students can thrive academically and personally.

06 Strengthening the Indian Knowledge System

- **Traditional Knowledge Integration:** ACE will incorporate traditional Indian knowledge, values, and practices into its curriculum. This integration will promote a deeper understanding and appreciation of India's rich cultural heritage.
- **Cultural Heritage Programs:** The university will offer programs in fields such as Vedic studies, classical dance, and music. These programs will help preserve and revitalize India's ancient wisdom.

07 Expansion of Online Education

- **Comprehensive E-Learning Platforms:** ACE will develop and implement advanced e-learning platforms that provide flexible and accessible education to students regardless of their geographical location. These platforms will include interactive modules, video lectures, and virtual labs.
- **Hybrid Learning Models:** The university will offer hybrid learning models that combine online and face-to-face instruction. This approach will ensure that students receive the benefits of both digital and traditional classroom experiences.

ACE Deemed-to-be University's distinctiveness is firmly rooted in the innovative and transformative frameworks of NEP 2020. Through its commitment to multidisciplinary education, research and innovation, technological integration, skill development, inclusivity, the Indian Knowledge System, and environmental sustainability, ACE will emerge as a leading institution dedicated to academic excellence and societal progress.





BACKGROUND FOR THE PROPOSED DEEMED- TO-BE- UNIVERSITY

2

India's higher education system is the third largest in the world, comprising over 1,000 universities and 40,000 colleges, serving a vast student population. This extensive system embodies both significant potential and notable challenges. A positive development within this landscape is the increasing enrolment rates. There is a rising demand for education, with a recent report noting a 4.5% increase in student enrolment. This trend is especially encouraging for female students, whose postgraduate enrolment rates now exceed those of males. Nevertheless, a gender gap remains, underscoring the need for ongoing efforts to achieve gender equality in education.

While India's higher education system has witnessed significant expansion, quality concerns remain a pressing issue. A major challenge is the shortage of qualified faculty, which directly impacts the learning experience for students. Additionally, inadequate funding for research and development (R&D) hinders innovation across institutions. Furthermore, infrastructure constraints limit the ability to provide a well-rounded education.

However, the recently implemented National Education Policy (NEP) 2020 aims to address these concerns head-on. The policy emphasizes a paradigm shift towards a more holistic and flexible approach to learning. This includes fostering critical thinking, problem-solving skills, and practical skill development. Furthermore, the NEP empowers institutions with greater autonomy in curriculum design and assessment, paving the way for a more dynamic and engaging learning environment.

The future of Indian higher education rests on its ability to effectively navigate current challenges and capitalize on emerging opportunities. Crucial steps include increasing government and private investment in research, attracting and retaining top-tier faculty, and strategically leveraging technology to enhance learning outcomes. The successful implementation of the NEP 2020 reforms will be a key driver in propelling the system towards global recognition.

India's higher education system is poised for a transformative journey. By addressing quality concerns and embracing innovative approaches, it holds immense potential to empower its youth and emerge as a true global leader in education.

The Transforming Landscape of Indian Higher Education: Opportunities and Challenges

India boasts the world's third-largest higher education system, encompassing a vast network of over 1,000 universities and 40,000 colleges. This immense ecosystem caters to a diverse student population, offering a multitude of programs across various disciplines. However, beneath this impressive scale lies a more nuanced reality. The Indian higher education landscape presents a compelling mix of immense potential and pressing challenges that demand our attention.

01 Bridging the Gender Gap: Progress with Persistence

A particularly noteworthy aspect of this enrolment surge is the progress towards gender parity. Female students are increasingly taking center stage, with postgraduate enrolment figures even surpassing those of males. This trend signifies a growing societal emphasis on girl's education and their potential to contribute meaningfully to the workforce. However, it's crucial to acknowledge the persisting gender gap. Male enrolment currently stands at 51.96%, with females at 47.8%. Continued efforts are necessary to bridge this gap completely and ensure equitable access for all. While the Gender Parity Index (GPI) among 18-23-year-olds in higher education reaching 1.01 in 2021-22 reflects progress, further initiatives are needed for a truly balanced system.

02 Growing Enrolment

Indian higher education is experiencing a heartening trend: a continuous rise in student enrolment rates. This surge reflects a growing national thirst for knowledge and a growing recognition of education's critical role in empowering individuals and driving societal development. A recent All-India Survey on Higher Education (AISHE) report indicates a significant 4.5% increase in enrolment, pushing the total number of students to a staggering 4.33 crore. This upward trajectory signifies a positive shift and highlights the growing aspirations of young India.

03 The Double-Edged Sword of Online Education

Recent years have seen a significant rise in online education platforms in India. However, the trend also reflects a growing awareness of online learning's flexibility and accessibility. Leading universities have actively launched online degree programs, catering to students seeking educational opportunities beyond geographical limitations. While online education offers a valuable tool for expanding access, concerns regarding online instruction quality and the lack of a vibrant campus experience persist. Ensuring online programs maintain rigorous academic standards and foster a sense of community among students, despite physical distance, remains crucial.

04 Funding Constraints and Infrastructure Hurdles

Another major hurdle is inadequate funding. Many universities and colleges struggle to secure sufficient resources for research and development activities. This hinders innovation and restricts the ability of institutions to offer cutting-edge programs aligned with the evolving job market needs. Additionally, infrastructure constraints pose significant challenges. Outdated facilities, limited access to technology, and inadequate libraries can restrict the learning environment and hinder students' ability to develop the necessary 21st-century skills.

05 The Quality Conundrum: A Multifaceted Challenge

Despite the expansion in enrolment, concerns regarding the quality of higher education in India persist. A major challenge is the shortage of qualified faculty. The student-teacher ratio in many institutions is skewed, leading to overburdened faculty and a less personalized learning experience. Additionally, attracting and retaining top academic talent is often difficult due to limitations in faculty compensation and career progression opportunities. This shortage of qualified personnel hinders the quality of both instruction and research output.

2.2 The National Education Policy (NEP) 2020

In recognition of existing challenges, the Government of India implemented the landmark National Education Policy (NEP) 2020. This ambitious reform aims to revolutionize Indian education by fostering a more holistic and flexible learning approach. NEP prioritizes the development of critical thinking skills, problem-solving abilities, and a strong foundation in core disciplines. Furthermore, it promotes a multidisciplinary approach, encouraging students to explore the interconnectedness of diverse fields of study. This paradigm shift, moving away from rote learning and towards analytical and application-based skills, is crucial to prepare graduates for the ever-evolving demands of the modern workforce.

Empowering Institutions: Fostering Innovation and Flexibility

The NEP 2020 prioritizes institutional autonomy, granting universities and colleges greater control over curriculum design and assessment. This empowers institutions to tailor their programs to the specific needs of their region and student population. It fosters a spirit of innovation, allowing them to experiment with novel pedagogical approaches and create a more dynamic learning environment that caters to diverse learning styles. Additionally, the policy encourages the strategic integration of technology in education. This can involve developing online learning resources like video lectures and interactive simulations, ultimately fostering a more flexible and accessible learning experience for students.

The National Education Policy (NEP) 2020 serves as a comprehensive blueprint for transforming India's higher education landscape. Recognizing the existing opportunities and challenges, NEP 2020 proposes a multi-pronged approach to address these issues and propel the system towards excellence.

- **Fostering Employability:** NEP 2020 recognizes the rising demand for higher education fuelled by a knowledge-driven economy. It emphasizes a shift towards a "holistic education" model. This approach integrates academic learning with skill development through initiatives like internships, project-based learning, and vocational training programs. Graduates equipped with both theoretical knowledge and practical skills will be more readily employable and contribute significantly to the workforce.

- **Focus on Skill Development:** The policy proposes a flexible credit system that allows students to customize their learning journeys. Students can choose from a wider range of electives and minors, potentially across disciplines, to develop specialized skill sets relevant to specific career paths or personal interests. This flexibility caters to the diverse needs and aspirations of today's youth.
- **Quality Concerns:** NEP 2020 acknowledges the need for a more robust teaching force. It proposes initiatives like faculty development programs, improved recruitment processes, and career progression opportunities for faculty. This focus on capacity building aims to improve teaching quality and research output within institutions.
 - **Empowering Institutions:** The policy promotes greater autonomy for universities and colleges in curriculum design and pedagogy. Institutions can leverage this autonomy to tailor programs to specific regional needs or industry trends. Additionally, NEP 2020 encourages the establishment of multidisciplinary research universities (MERUs) that can foster innovation and attract top academic talent.
- **Equity and Access:** NEP 2020 aims to bridge the equity gap by promoting access to quality higher education for all. This includes:
 - **Open Universities and Online Learning Platforms:** Expanding access through online learning platforms and open universities. This approach allows students from remote areas or those facing economic challenges to pursue higher education.
 - **Financial Aid and Scholarships:** Increasing the availability of scholarships and financial aid programs, particularly for students from disadvantaged backgrounds. This can help bridge the financial barriers that hinder access to higher education.
- **Relevance of Curriculum:** NEP 2020 proposes a move away from rigid disciplinary silos towards a multidisciplinary approach to curriculum design. This encourages students to explore connections between different fields of study, allowing them to develop a broader range of skills and a more holistic understanding of the world. This interdisciplinary approach ensures curriculums remain relevant to the evolving job market that increasingly demands versatile skill sets.
- **Public and Private Investment:** The successful implementation of NEP 2020 hinges on securing adequate funding. While the government has committed to increased public investment, it acknowledges the need for a multifaceted approach. NEP 2020 encourages greater private sector participation, recognizing that public funding alone may not suffice. However, striking the right balance requires a robust regulatory framework that fosters innovation while ensuring the highest

quality standards are maintained. Public-private partnerships (PPPs) can be a powerful tool in this regard, playing a crucial role in developing infrastructure, fostering research opportunities, and supporting faculty development initiatives.

- **Fostering Collaborations:** NEP 2020 recognizes that effective collaboration is vital for a thriving higher education ecosystem. The policy encourages partnerships on multiple fronts. Industry-academia collaboration can bridge the gap between theoretical knowledge and practical skills, preparing students for the workforce. Universities can work together on research initiatives or offer joint degree programs to foster knowledge sharing and innovation. Additionally, international collaboration allows for student and faculty exchange programs, broadening perspectives and enriching the learning experience. By fostering these collaborations, NEP 2020 aims to create a dynamic and interconnected higher education system in India.

Overall, NEP 2020 represents a significant step forward for Indian higher education. It provides a roadmap for building a more equitable, accessible, and high-quality system that empowers students and drives national development.



2.3 Role of DTBU in the Indian Higher Education Landscape

India's vast higher education landscape thrives on the diversity of its institutions. Each university and college contributes unique strengths, and among them, Deemed-to-be Universities (DTBUs) occupy a prominent space. DTBUs play a crucial role in fostering specialization, innovation, and academic excellence. Understanding the specific niche, they carve out within the broader system is essential to appreciating their significant contribution to Indian higher education.

Unbound Innovation: The Power of Autonomy

Deemed Universities (DTBUs) hold a distinct position within the Indian higher education landscape due to their significant autonomy. Unlike their state or central university counterparts, DTBUs are free from the constraints of rigid academic structures and regulations. This autonomy empowers them in several keyways. Firstly, DTBUs have the freedom to design their curriculum, tailoring programs to their chosen niche and incorporating industry trends for unparalleled specialization. Secondly, they can develop their own assessment and evaluation methods, potentially employing innovative approaches to gauge student learning. Importantly, DTBUs are authorized by the UGC to award degrees, ensuring their graduates hold recognized qualifications. Finally, the ability to set their fee structures allows DTBUs to invest in specialized resources and attract top faculty, further enhancing the learning experience. This autonomy fosters a dynamic and responsive learning environment. DTBUs are not bound by a one-size-fits-all approach, instead catering to the specific needs of their chosen specialization and preparing students for success in their chosen fields.

Bridging the Gap in Specialisation

One of the key strengths of Deemed Universities (DTBUs) lies in their focus on specialized disciplines. Unlike traditional universities, DTBUs can readily adapt their programs to meet the ever-changing demands of the job market. This agility is particularly evident in cases where DTBUs emerge from esteemed institutions like the Indian Institutes of Technology (IITs) and Indian Institutes of Management (IIMs). They leverage the existing expertise and reputation of their parent institutions to create highly specialized programs.

For instance, the National Institute of Fashion Technology (NIFT), a Deemed University with a legacy linked to the Ministry of Textiles, offers unique programs in fashion design, technology, and management. This focus on specific disciplines allows DTBUs to fill critical gaps in the skills landscape. They equip students with industry-relevant skills that traditional universities, often bound by broader mandates, might be slower to incorporate into their curriculum.

Fostering Research and Development

Deemed Universities (DTBUs) thrive on a unique blend of autonomy and specialization, fostering a dynamic environment for research and development. Unlike traditional universities bound by standardized curricula, DTBUs have the freedom to integrate cutting-edge research findings directly into their programs. This ensures students are constantly exposed to the latest advancements in their chosen fields, graduating with knowledge at the forefront of their disciplines. Furthermore, the autonomous nature of DTBUs allows them to prioritize research activities. They can dedicate resources and encourage faculty to pursue groundbreaking work. This focus on R&D creates a stimulating environment where both students and professors are actively engaged in pushing the boundaries of knowledge. These research efforts at DTBUs contribute significantly to India's knowledge economy in two keyways. Firstly, breakthroughs and advancements in various disciplines can lead to important discoveries with real-world applications. Secondly, the emphasis on R&D fosters a culture of innovation within these institutions, inspiring future generations of researchers and entrepreneurs. DTBUs thus serve as hotbeds of innovation, bridging the gap between theoretical knowledge and practical application.

Flexibility and Adaptability

Deemed Universities (DTBUs) thrive in an environment of autonomy, allowing them to be nimble and adaptable in responding to the demands of the future workforce. Unlike traditional universities entangled in stricter regulations and bureaucratic processes, DTBUs can adapt their programs with remarkable speed. This translates to the swift introduction of new courses, revisions to existing curricula, and the adoption of innovative teaching methods. This agility allows them to stay at the forefront of their chosen fields, constantly incorporating the latest advancements. This ensures graduates possess the most in-demand skills for success in the ever-evolving tech landscape. DTBUs

thus act as future-proofers, equipping students with the knowledge and adaptability necessary to not only thrive in today's job market but also navigate the demands of an uncertain future.

Balancing Autonomy with Accountability

While Deemed Universities (DTBUs) offer significant advantages, they also navigate a unique set of challenges. One crucial consideration is the need to ensure high-quality education and maintain rigorous academic standards. The autonomy granted to DTBUs comes with the responsibility of upholding ethical practices across the board, including curriculum design, faculty recruitment, and student evaluation. Furthermore, financial transparency is essential for DTBUs. This builds public trust and ensures fee structures reflect the quality of education offered. Regulatory bodies like the UGC play a vital role in monitoring DTBUs and providing guidance to ensure they adhere to established quality benchmarks.

Beyond Specialization: The Ripple Effect of Deemed Universities

The impact of Deemed Universities (DTBUs) transcends their specialized programs. They act as catalysts for innovation and experimentation within the broader Indian higher education landscape. Their success stories in these areas inspire traditional universities to re-evaluate their approaches and embrace a more flexible mindset. Additionally, DTBUs often cultivate strong industry partnerships, providing their students with valuable internship and placement opportunities. This robust industry connection benefits not only graduates but also strengthens the overall employability of students pursuing higher education in India.

Collaboration and Inclusivity

Looking ahead, Deemed Universities (DTBUs) have the potential to become even more pivotal players in shaping India's higher education landscape. Fostering collaboration between DTBUs and traditional universities can lead to the exchange of best practices, with traditional universities benefiting from DTBUs' agility and DTBUs learning from the established strengths of their counterparts. This collaborative environment would ultimately foster a more dynamic and competitive educational landscape in India.

Furthermore, promoting inclusivity within DTBUs is essential. By implementing robust scholarship and

and financial aid programs, these institutions can ensure that access to their specialized programs is not restricted by socioeconomic background. This will allow a broader range of talented students to benefit from the unique educational opportunities offered by DTBUs, enriching the student body and fostering a more diverse learning environment.

Internationalization Opportunities

The growing emphasis on international collaboration in higher education presents a strategic advantage for Deemed to be Universities (DTBUs). By forging partnerships with foreign institutions, DTBUs can cultivate a vibrant academic environment and enhance the student experience. This internationalization can take the form of joint research initiatives, student exchange programs, and even dual-degree programs. Such collaborations expose students and faculty to diverse perspectives and research methodologies, fostering innovation and enriching their academic pursuits. Furthermore, attracting international students creates a more cosmopolitan campus environment, while generating additional revenue streams. These resources can then be reinvested in strengthening research capabilities and infrastructure development, solidifying DTBUs' position on the global stage.



Empowering Education through Technology

Technology serves as a powerful catalyst for innovation in Deemed Universities (DTBUs). By embracing online learning platforms and developing digital courses, DTBUs can transcend geographical barriers and cater to a broader student population. This includes individuals in remote locations or those seeking flexible learning options, fostering greater accessibility to quality education. Furthermore, DTBUs can leverage technology to streamline administrative processes. Implementing digital solutions for tasks like admissions and student record management can significantly improve efficiency, allowing staff to dedicate more time to supporting students and faculty.

Regulatory Frameworks

As Deemed Universities (DTBUs) gain stature, a dynamic regulatory framework is crucial. The University Grants Commission (UGC) and other bodies need to find a balance between institutional autonomy and ensuring academic excellence and ethical conduct. Collaborative efforts can achieve this. Regular evaluations can assess academic quality, while rigorous accreditation processes guarantee that DTBUs meet national and international benchmarks. Finally, transparent financial reporting fosters public trust and safeguards institutional integrity. By working together, regulators and DTBUs can create an environment that empowers responsible autonomy, ultimately benefiting students and the entire higher education landscape.

Deemed Universities (DTBUs) are India's innovation engines. Unlike traditional institutions, they specialize in niche fields, conduct cutting-edge research, and adapt to industry needs. Collaboration is key: partnering with universities and industry strengthens academics and provides practical learning. This positions DTBUs to shape skilled professionals and contribute to India's global knowledge leadership.

2.4 ACE Deemed to be University

Path to Distinction: Academic Excellence

ACE Deemed-to-be University is committed to shaping tomorrow's leaders through academic distinction. The curriculum adheres to rigorous international best practices, constantly evolving to meet the dynamic demands of the job market. Regular assessments and updates ensure graduates have the most relevant skills and knowledge. At ACE, faculty are more than instructors, they're pioneers. The university will meticulously select experienced educators and researchers, fostering a vibrant intellectual environment. To empower them further, it provides continuous development programs, guaranteeing they stay at the cutting edge of their fields.

Finally, the university understands the importance of external validation. ACE will actively pursue accreditation from reputable bodies, a testament to its commitment to meeting the highest academic standards.

Research and Innovation

ACE isn't just about acquiring knowledge; it's about pushing the boundaries of what's possible. Research and innovation are woven into the very fabric of our identity. Establishment of state-of-the-art research centres and labs, fostering interdisciplinary collaborations that foster groundbreaking ideas. The university will cultivate partnerships with leading industries and academic institutions across India and the globe because the greatest minds achieve more together.

At ACE, we believe the most pressing challenges hold the greatest potential. The university will actively promote research that tackles real-world issues, from societal concerns to scientific enigmas. To ignite the passion for discovery, it will provide seed funding and grants, empowering both faculty and students to pursue groundbreaking research that will shape a brighter future.

Skill Focused Education

ACE understands the importance of preparing students for a successful career. The programs are designed with a strong focus on skill development. This goes beyond traditional classroom learning; actively engaged in practical projects, internships, and workshops. These real-world experiences will enhance employability and set students apart from the competition. Dedicated career services are

another way university support success. The university's experienced career counsellors will provide personalized guidance and connect students with relevant job opportunities. Additionally, it leverages industry partnerships to facilitate internships and guest lectures by industry experts. These interactions will provide invaluable real-world experience and mentorship.

Honoring and Advancing India's Cultural Legacy

ACE acknowledges the significance of preserving and celebrating India's rich cultural heritage. By fostering a deep understanding of India's cultural roots, it aims to cultivate scholars and practitioners who can contribute to the global appreciation of Indian culture and philosophy.

The university graduates will be equipped to engage in academic research, cultural preservation, and international cultural exchange, promoting India's heritage on a global stage. Furthermore, partnerships with cultural institutions and participation in international heritage projects will provide students with practical experience and a broader perspective on cultural preservation and promotion.

Advancing National Priorities

ACE is committed to aligning its educational offerings with India's strategic needs. To achieve this the university will establish Centres of Excellence in critical areas such as artificial intelligence, renewable energy, and healthcare. These centres will focus on cutting-edge research, skill development, and innovation to address key national priorities. It will also develop strong partnerships with government agencies, research institutions, and industry leaders. This collaboration will ensure that the programs and research initiatives are aligned with national goals, contributing significantly to India's growth and development.

To further enhance the impact, it will engage in public policy research and advocacy, providing thought leadership on critical issues facing the nation. The students and faculty will participate in national and international conferences, contributing to the global discourse on innovation and development. Through these efforts, ACE DTBU aims to play a pivotal role in shaping the future of India's technological and economic landscape.

Championing Environmental Sustainability

ACE is dedicated to environmental sustainability and will establish a Center for Environmental Studies and Sustainable Development. This center will focus on research in sustainable practices, natural resource conservation, and environmental protection. Students will have opportunities for hands-on learning through fieldwork and projects that promote sustainable living. Additionally, the campus will serve as a model for green practices. The university will implement initiatives such as rainwater harvesting, waste recycling, and energy-efficient infrastructure. By adopting these sustainable practices, ACE aims to inspire environmental responsibility in future generations. Furthermore, the center will collaborate with governmental and non-governmental organizations to develop and promote policies and practices that support environmental sustainability. ACE's goal is to create a culture of environmental stewardship that extends beyond the campus, influencing the broader community and contributing to global sustainability efforts.

Cultivating Well-Being

ACE believes that a well-rounded education extends beyond textbooks. To foster holistic student development, it will establish a vibrant Sports and Languages Centre. This center will feature state-of-the-art sports facilities, promoting active participation and healthy lifestyles. Engaging in sports not only enhances physical fitness but also cultivates teamwork skills and a sense of community.

The Languages Centre will celebrate India's rich linguistic heritage by offering courses in regional languages and dialects, engaging in documentation, research, and cultural exchanges. This initiative preserves India's cultural diversity and fosters appreciation for its linguistic richness. Additionally, the Centre will provide programs for learning global languages, equipping students with essential communication skills and cultural competence.

Beyond its facilities, the Sports and Languages Centre will host events, workshops, and competitions, enriching the campus experience and promoting inclusivity and diversity. By nurturing physical, intellectual, and cultural well-being, ACE DTBU aims to shape future leaders who will contribute meaningfully to India and the world.



CONSTRUCT OF THE PROPOSED DEEMED- TO-BE- UNIVERSITY

3

ACE Deemed-to-be University (ACE DTBU) isn't just another engineering institution. The university carves a unique niche in the educational landscape by crafting a future-focused learning experience that seamlessly integrates the rich legacy of Indian knowledge systems with the demands of the 21st century. This chapter delves into the innovative academic structure that will form the vibrant core of ACE and empowers it to become a well-rounded leader equipped to address the challenges of tomorrow.

The following sections will explore the diverse range of faculty, schools, and programs offered at ACE DTBU, each designed to foster excellence in specific domains while nurturing a collaborative and interdisciplinary learning environment.

Faculty of Traditional Indian Knowledge

This faculty delves into the rich heritage of India's ancient wisdom systems, fostering their understanding and application in the modern world.

- **School of Vedic Studies:** Explores the foundational texts of Hinduism, the Vedas, uncovering their philosophical, linguistic, and ceremonial significance.
- **School of Yoga Studies:** Examines the physical, mental, and spiritual aspects of yoga, offering practical training alongside its historical and philosophical underpinnings.
- **School of Indian Performing Arts:** The School is a vibrant crucible where raw talent is refined into brilliance. Here, passion meets precision as aspiring artists explore the limitless realms of drama, dance, and music.

Faculty of Business

This faculty equips students with the knowledge and tools to thrive in the ever-evolving world of commerce.

- **School of Management:** Develops future leaders by honing their strategic thinking, decision-making, and leadership capabilities. Students understand key business functions comprehensively, preparing them to navigate complex challenges and lead diverse teams.
- **School of Commerce:** Delves into the foundational principles that drive business success, focusing on finance, accounting, and economics. Students develop a strong analytical framework, equipping them to interpret market trends, manage finances effectively, and contribute to organizational growth.

Faculty of Skill Development

This faculty empowers students with practical skills for in-demand careers.

- **School of Automobile Skills:** Prepares students for success in the automotive industry, offering hands-on training in vehicle maintenance, diagnostics, and repair across various technologies.
- **School of Electronics Skills:** Provides students with cutting-edge knowledge and practical skills in electronics engineering, preparing them for careers in circuit design, device troubleshooting, and electronics manufacturing.
- **School of Manufacturing Skills:** Forge your future in manufacturing. The school is the workshop for mastering the art and science of production. Learn from industry experts and state-of-the-art equipment, transforming ideas into tangible realities.

Faculty of Science

This faculty prepares students for diverse healthcare roles that complement and support the work of physicians.

- **School of Health Science:** Offers specialized programs in various allied health professions. Students acquire the knowledge and skills to provide patient care, perform diagnostic tests, and contribute to improved patient outcomes.
- **School of Environment & Agricultural Sciences:** The School is dedicated to cultivating a sustainable future. It equips students with the knowledge and skills to address pressing environmental challenges and ensure the responsible management of our planet's resources.

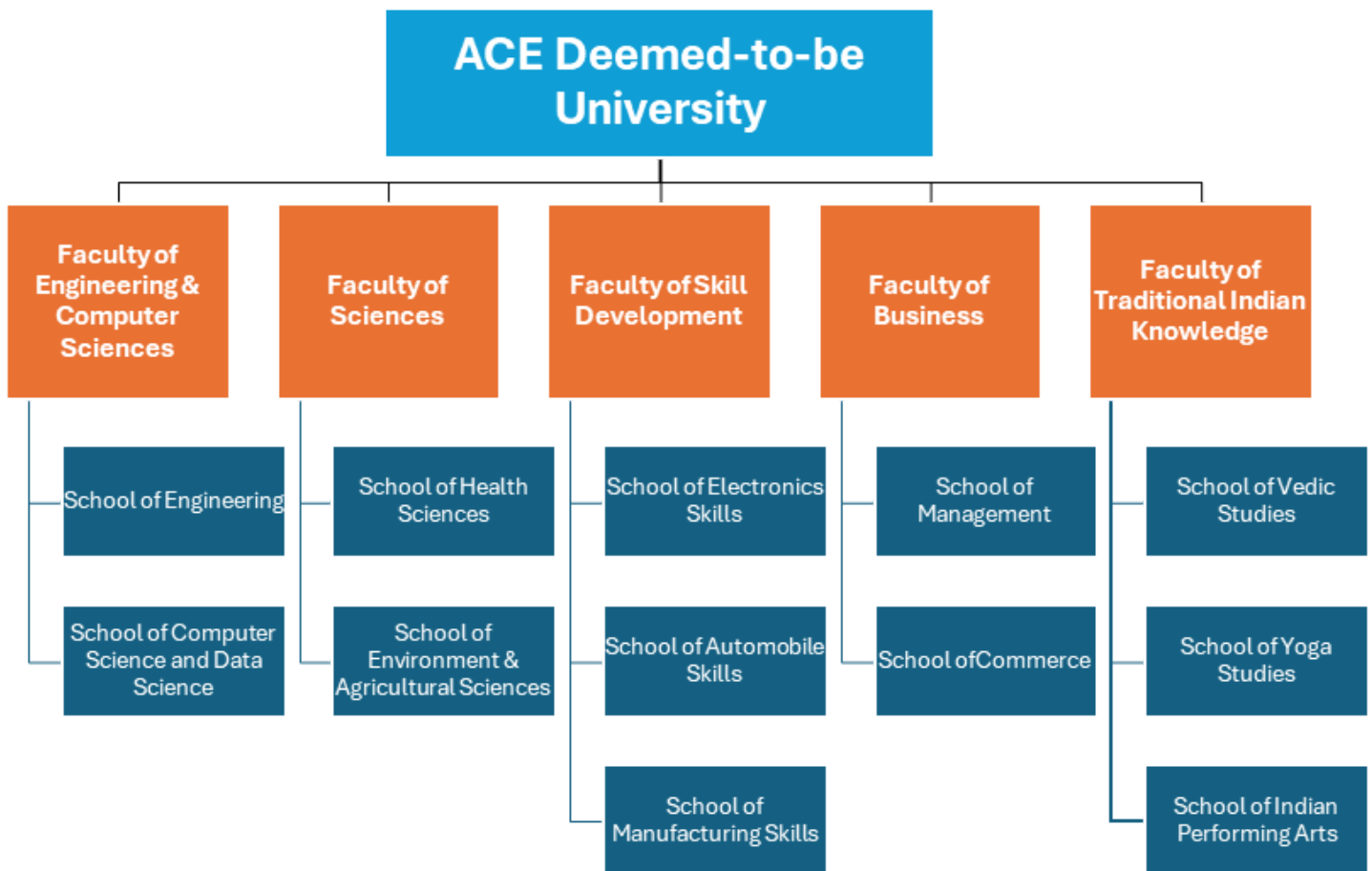
Faculty of Engineering & Computer Sciences

This faculty bridges the gap between cutting-edge computing and the complexities of engineering, fostering innovation across diverse fields.

- **School of Engineering:** This school revolutionizes traditional engineering through the power of code. Students become computational engineers, merging disciplines like mechanical, civil, and electronics with advanced computing.
- **School of Computer Science and Data Science:** The School of Computer Science and Data Science is at the forefront of technological innovation. It equips students with the computational thinking, programming skills, and data analysis expertise to excel in the digital age. From software development to artificial intelligence, its programs prepares for a world driven by data.

3.1 Structure of ACE Deemed-to-be University

ACE Deemed-to-be University (ACE DTBU) will be structured around five distinct faculties, designed not just to deliver traditional academic programs, but to foster well-rounded graduates who can contribute meaningfully to India's future. These faculties will address India's strategic needs by developing programs aligned with critical development areas. They will also delve into India's rich cultural heritage, offering unique programs in Vedic studies and Yoga studies. Additionally, ACE recognizes the importance of environmental sustainability and will establish a program focused on this critical issue. Beyond academics, a faculty dedicated to health, skill development, etc are there ensuring graduates possess the necessary tools to thrive in the modern workforce.



The following table provides a comprehensive overview of ACE Deemed-to-be University's academic structure. It details the various faculties, the departments housed within each faculty, and the programs offered by each department.

Faculty of Engineering & Computer Science

School of Engineering

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrollments															
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	
1 B. Tech Civil Engineering	4	60	1,20,000	30	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
2 B. Tech Mechanical Engineering	4	60	1,20,000	30	30	60	60	60	60	60	60	60	60	60	60	60	60	60	60
3 B. Tech Electrical & Electronics Engineering	4	60	1,20,000	30	30	60	60	60	60	60	60	60	60	60	60	60	60	60	60
4 B. Tech Electronics & Communication Engineering	4	180	1,50,000	60	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
5 B. Tech Electronics - VLSI, Embedded Systems & Semiconductor Devices	4	60	1,80,000	-	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
6 M. Tech Construction Engineering & Management	2	18	1,00,000	10	10	18	18	18	18	18	18	18	18	18	18	18	18	18	18
7 M. Tech Robotics & Mechatronics	2	18	1,00,000	-	10	18	18	18	18	18	18	18	18	18	18	18	18	18	18
8 M. Tech Robotics - VLSI, Embedded Systems & Semiconductor Devices	2	18	1,00,000	-	10	18	18	18	18	18	18	18	18	18	18	18	18	18	18
9 Phd in Civil/Mechanical/EEE/ECE	3	40	1,50,000	-	-	16	32	40	40	40	40	40	40	40	40	40	40	40	40
Total New Enrollments				160	390	490	506	514	514	514	514	514	514	514	514	514	514	514	514
Total Enrollments				160	540	994	1,432	1,716	1,794	1,802	1,802	1,802	1,802	1,802	1,802	1,802	1,802	1,802	1,802

School of Computer Science & Data Sciences

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrollments															
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	
1 B. Tech Computer Science & Engineering	4	420	2,00,000	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420
2 B. Tech Computer Science & Engineering (AI&ML)	4	300	2,00,000	240	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
3 B. Tech Computer Science & Engineering (Data Science)	4	120	2,00,000	60	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
4 B. Tech Computer Science & Engineering (IoT)	4	60	1,60,000	30	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
5 B. Tech Information Technology (IT)	4	60	1,60,000	30	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
6 M. Tech Computer Science	2	18	1,00,000	10	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
7 M. Tech Data Science & Artificial Intelligence	2	18	1,00,000	-	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
8 Phd in Computer Science	3	10	1,00,000	4	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total New Enrollments				794	1,004	1,006	1,006	1,006	1,006	1,006	1,006	1,006	1,006	1,006	1,006	1,006	1,006	1,006	1,006
Total Enrollments				794	1,757	2,681	3,553	3,717	3,717	3,717	3,717	3,717	3,717	3,717	3,717	3,717	3,717	3,717	3,717

Faculty of Sciences

School of Health Sciences

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrolments															
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	
1 BS in Nutrition & Dietetics	3	30	50,000	-	15	15	30	30	30	30	30	30	30	30	30	30	30	30	30
2 BS in Communication Science & Development Disorders	3	30	50,000	15	15	30	30	30	30	30	30	30	30	30	30	30	30	30	30
3 BPT	4	30	1,50,000	15	15	30	30	30	30	30	30	30	30	30	30	30	30	30	30
4 BS in Nursing	4	30	1,00,000	-	15	15	30	30	30	30	30	30	30	30	30	30	30	30	30
5 MPT	2	30	1,00,000	-	-	15	30	30	30	30	30	30	30	30	30	30	30	30	30
6 MS in Nutrition & Dietetics	2	30	75,000	-	-	15	30	30	30	30	30	30	30	30	30	30	30	30	30
Total New Enrolments				30	60	120	180	180	180	180	180	180	180	180	180	180	180	180	180
Total Enrolments				30	88	202	356	452	494	508	508	508	508	508	508	508	508	508	508

School of Environment & Agricultural Sciences

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrolments															
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	
1 BS in Environmental Science	3	30	50,000	-	-	10	20	30	30	30	30	30	30	30	30	30	30	30	30
2 BS in Agriculture (Hons)	4	30	1,00,000	-	10	20	30	30	30	30	30	30	30	30	30	30	30	30	30
3 BS in Horticulture (Hons)	4	30	1,00,000	-	10	20	30	30	30	30	30	30	30	30	30	30	30	30	30
4 MS in Climate, Environment, and Sustainability	2	15	1,00,000	-	-	5	10	15	15	15	15	15	15	15	15	15	15	15	15
5 PhD in Environmental Science	3	2	75,000	-	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
Total New Enrolments				-	21	57	92	107	107	107	107	107	107	107	107	107	107	107	107
Total Enrolments				-	21	76	163	256	319	347	347	347	347	347	347	347	347	347	347

Faculty of Skill Development

School of Electronics Skills

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrollments														
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15
1 B.Voc Home Appliances	3	30	50,000	10	20	30	30	30	30	30	30	30	30	30	30	30	30	30
2 B.Voc HVAC	3	30	50,000	10	20	30	30	30	30	30	30	30	30	30	30	30	30	30
3 B.Voc Smart Devices	3	30	50,000	-	10	20	30	30	30	30	30	30	30	30	30	30	30	30
Total New Enrollments				20	50	80	90	90	90	90	90	90	90	90	90	90	90	90
Total Enrollments				20	68	143	209	246	255	255	255	255	255	255	255	255	255	255

School of Automobile Skills

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrollments														
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15
1 B.Voc in Auto Service	3	30	50,000	-	-	15	30	30	30	30	30	30	30	30	30	30	30	30
2 B.Voc in Automotive Electricals	3	30	50,000	-	-	15	30	30	30	30	30	30	30	30	30	30	30	30
3 B.Voc in Automotive Electronics	3	30	50,000	-	-	15	30	30	30	30	30	30	30	30	30	30	30	30
Total New Enrollments				-	-	45	90	90	90	90	90	90	90	90	90	90	90	90
Total Enrollments				-	-	45	132	213	255	255	255	255	255	255	255	255	255	255

School of Manufacturing Skills

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrollments														
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15
1 B.Voc in Furniture Making	3	30	50,000	-	-	-	30	30	30	30	30	30	30	30	30	30	30	30
2 B.Voc in Apparel & Textile	3	30	50,000	-	-	-	30	30	30	30	30	30	30	30	30	30	30	30
Total New Enrollments				-	-	-	60	60	60	60	60	60	60	60	60	60	60	60
Total Enrollments				-	-	-	60	116	170	170	170	170	170	170	170	170	170	170

Faculty of Business

School of Management

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrolments														
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15
1 BBA	3	60	1,50,000	20	30	40	50	60	60	60	60	60	60	60	60	60	60	60
2 BBA - Business Analytics	3	60	1,50,000	-	20	30	45	60	60	60	60	60	60	60	60	60	60	60
3 MBA - Business Analytics	2	60	2,50,000	20	30	40	50	60	60	60	60	60	60	60	60	60	60	60
4 MBA - Banking, Finance & FinTech	2	60	2,50,000	-	20	30	45	60	60	60	60	60	60	60	60	60	60	60
5 Phd in Management	3	4	1,50,000	-	1	2	3	4	4	4	4	4	4	4	4	4	4	4
Total New Enrolments				40	101	142	193	244	244	244	244	244	244	244	244	244	244	244
Total Enrolments				40	139	255	373	490	564	590	590	590	590	590	590	590	590	590

School of Commerce

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrolments														
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15
1 B.Com Hons	4	60	60,000	-	-	30	45	60	60	60	60	60	60	60	60	60	60	60
2 M.Com	2	20	1,00,000	-	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Total New Enrolments				-	20	50	65	80	80	80	80	80	80	80	80	80	80	80
Total Enrolments				-	20	69	112	168	222	250	264	264	264	264	264	264	264	264

Faculty of Traditional Indian Knowledge

School of Vedic Studies

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrolments															
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	
1 B.Sc. In Vedic Science	4	30	25,000	10	20	30	30	30	30	30	30	30	30	30	30	30	30	30	30
2 MS in Vedic Science & Application	2	15	40,000	-	7	11	15	15	15	15	15	15	15	15	15	15	15	15	15
3 Phd in Vedic Studies	3	5	50,000	-	3	4	5	5	5	5	5	5	5	5	5	5	5	5	5
Total New Enrolments				10	30	45	50	50	50	50	50	50	50	50	50	50	50	50	50
Total Enrolments				10	39	81	120	145	155	155	155	155	155	155	155	155	155	155	155

School of Yoga Studies

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrolments															
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	
1 Diploma Programme in Yoga Teacher	1	15	25,000	10	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
2 B.Sc. in Yoga, Nutrition & Physiotherapy	4	15	25,000	-	10	15	15	15	15	15	15	15	15	15	15	15	15	15	15
3 Phd in Yoga Studies	3	2	50,000	-	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2
Total New Enrolments				10	26	31	31	32	32	32	32	32	32	32	32	32	32	32	32
Total Enrolments				10	26	41	55	68	74	75	75	75	75	75	75	75	75	75	75

School of Indian Performing Arts

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrolments															
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	
1 BPA in Indian Classical Dance	3	15	50,000	-	-	-	-	-	15	15	15	15	15	15	15	15	15	15	15
2 BPA in Indian Classical Music	3	15	50,000	-	-	-	-	-	15	15	15	15	15	15	15	15	15	15	15
Total New Enrolments				-	-	-	-	-	30	30	30	30	30	30	30	30	30	30	30
Total Enrolments				-	-	-	-	-	30	60	90	90	90	90	90	90	90	90	90



FIFTEEN- YEAR DETAILED STRATEGIC VISION PLAN

4

4.1 Vision Statement

To ignite a renaissance of knowledge by empowering diverse minds to bridge disciplines and forge solutions that shape a more sustainable, equitable, and technologically advanced future.



4.2 Mission Statement

- Explore the richness of traditional knowledge alongside the frontiers of science and technology.
- Develop critical thinking, effective communication, and ethical leadership skills.
- Equip graduates with the expertise and adaptability to thrive in a dynamic and interconnected world.
- Foster innovation and entrepreneurship to address critical challenges facing society, the environment, and industry.
- Contribute to a more sustainable, just, and prosperous future for all



4.3 Core Values

1

Interdisciplinary Exploration

Encouraging collaboration and discovery across seemingly disparate fields to create innovative solutions.

2

Inclusiveness and Equity

Fostering a welcoming and supportive environment that values diverse perspectives and backgrounds.

3

Excellence in Learning and Research

Striving for the highest quality in education and scholarly pursuits, pushing the boundaries of knowledge.

4

Sustainability and Social Responsibility

Integrating environmental consciousness and ethical practices into all aspects of university life.

5

Entrepreneurial Spirit

Empowering creativity, problem-solving, and initiative to develop impactful solutions for the betterment of society.

6

Lifelong Learning

Cultivating a culture of continuous learning and intellectual curiosity throughout a lifetime.

7

Integrity and Respect

Upholding ethical conduct, mutual respect, and open communication within the university community.

4.4 Strategic Focus Areas for ACE DTBU's Long-Term Vision

ACE Deemed-to-be University aspires to become a beacon of academic excellence and societal progress. To achieve this, it prioritizes key strategic focus areas that cultivate well-rounded graduates prepared to address the complexities of the 21st century. These areas resonate with the National Education Policy (NEP) 2020, fostering an environment of innovation, inclusivity, and lifelong learning.



01 Transdisciplinary Learning

ACE DTBU transcends traditional disciplinary boundaries. Its transdisciplinary approach integrates knowledge from seemingly disparate fields, fostering a holistic understanding of complex issues. The university will develop innovative curricula that allow students to create personalized learning pathways, combining courses across faculties. This fosters critical thinking, problem-solving, and the ability to collaborate effectively across diverse perspectives. Dedicated transdisciplinary research centres will tackle real-world challenges like climate change mitigation, AI ethics, and global health, requiring solutions from multiple disciplines.

02 Entrepreneurial Spirit

ACE DTBU fosters an entrepreneurial mindset, empowering students to translate innovative ideas into impactful ventures. It will integrate entrepreneurship education into the curriculum, providing students with the knowledge, resources, and practical skills necessary to launch startups. This may involve workshops on business planning, mentorship programs with industry leaders, and access to incubation facilities. The university will also cultivate a culture of design thinking, encouraging students to identify problems, develop creative solutions, and prototype their ideas.

03 Social Innovation and Responsible Leadership

ACE DTBU recognizes its role in developing ethical leaders and changemakers. It will integrate social innovation into its curriculum, encouraging students to address social inequalities and advocate for positive societal change. This may involve service-learning projects, social impact courses, and partnerships with NGOs. Additionally, it will create an environment that fosters ethical conduct, critical reflection, and a strong sense of social responsibility. Graduates will be equipped to lead with integrity and contribute meaningfully to building a more just and equitable world.

04 Artificial Intelligence and Emerging Technologies

ACE DTBU acknowledges the transformative potential of artificial intelligence (AI) and other emerging technologies. It will invest in cutting-edge technology infrastructure and resources, allowing students and faculty to explore the applications of AI in various fields. This may involve dedicated AI labs, access to advanced computing resources, and collaborations with leading AI research institutions. It will also develop courses that equip students with the necessary skills to understand, utilize, and critically evaluate these technologies, ensuring responsible and ethical use in various contexts.

05 Global Citizenship and Cultural Fluency

ACE DTBU cultivates a diverse and inclusive learning environment that prepares students to be active global citizens. The university will actively promote international student exchange programs, fostering intercultural understanding and collaboration. Its curriculum will incorporate courses on global issues, encouraging critical reflection on the interconnectedness of societies and economies. Additionally, it will provide opportunities for students to develop intercultural communication skills, preparing them to navigate the complexities of a globalized world.

06

Sustainability and Environmental Stewardship

ACE DTBU recognizes the critical need for environmental responsibility. It will integrate sustainability principles into all aspects of university life, from curriculum design to campus operations. This may involve incorporating environmental science courses across various disciplines, adopting sustainable practices in campus infrastructure, and promoting renewable energy sources. Additionally, it will encourage student participation in environmental initiatives, fostering a sense of environmental stewardship and responsibility for the future of our planet.

By prioritizing these strategic focus areas, ACE DTBU establishes a framework for continuous innovation and excellence. This will enable it to nurture well-rounded graduates, equipped to address the challenges of the 21st century and contribute to a more just, sustainable, and technologically advanced future.

Phase 1: Foundation (2025-2030)

Academic Excellence

- **Five Distinctive Faculties:** ACE will establish five core faculties, each with well-designed curricula and flagship programs. The programs will cater to the evolving needs of industry and society, ensuring graduates are well-equipped for success.
- **Renowned Faculty:** Recruiting passionate educators with a commitment to interdisciplinary teaching and research is paramount. This will foster a stimulating learning environment that encourages intellectual exploration and collaboration.

Infrastructure for Innovation

- **A Campus that Reflects Our Vision:** ACE will construct a world-class campus that embodies its vision for collaboration, sustainability, and cutting-edge learning. State-of-the-art laboratories, libraries, and technology resources will empower students for academic exploration and discovery.
- **Nurturing Well-Rounded Individuals:** Dedicated spaces for sports activities, cultural events, and language learning will cultivate well-rounded graduates, fostering a vibrant campus life.

Cultivating a Dynamic Community

- **Engagement and Discourse:** ACE will foster a dynamic academic community where students, faculty, and staff can engage in intellectual discourse. Seminars, workshops, guest lectures, and conferences will enrich academic life and encourage collaboration.
- **Building a Network of Support:** A robust alumni network will provide career development opportunities for students and foster a strong sense of belonging among graduates. Strategic partnerships with leading academic institutions, industries, and government bodies will further enrich the educational experience and expose students to real-world challenges.

Financial Sustainability

- **Diversified Funding Model:** ACE is committed to developing a diversified funding model that includes tuition fees, research grants, robust industry collaborations, and philanthropic support. Financial management practices will ensure the long-term viability of the university.

- **Deemed-to-be University Status:** A Mark of Excellence Securing deemed-to-be university status is a key milestone, signifying its adherence to rigorous accreditation benchmarks and its dedication to academic excellence.

Phase 2: Growth and Recognition (2030-2035)

Ever-Evolving Curriculum

- **Continual Programme Review:** ACE will constantly assess and update its program offerings within each school. This ensures its curriculum aligns with industry demands and reflects the latest advancements in research.
- **Emerging Fields & Future Skills:** ACE will identify and develop programs in emerging fields, equipping students with the knowledge and skillsets to thrive in an ever-evolving job market.

Collaborative Research for Global Impact

- **Interdisciplinary Research Centres:** Interdisciplinary research centres will be established, drawing on the expertise of faculty across all disciplines. This fosters collaboration and tackles national and global challenges with multi-faceted perspectives.
- **Research Integration:** Research opportunities will be integrated into undergraduate and postgraduate programs, nurturing a culture of academic inquiry early on.

Fostering Excellence in Teaching and Learning

- **Innovative Pedagogy:** ACE will implement innovative teaching methodologies like problem-based learning and flipped classrooms. These approaches encourage active learning, critical thinking, and collaborative problem-solving among students.
- **Faculty Development:** Investing in faculty is paramount. Workshops and exchange programs will ensure they remain at the forefront of their fields, continually enhancing their teaching and research proficiency.

Global Learning Community

- **International Collaboration:** ACE believes in the power of global exchange. It will forge international collaborations to establish student exchange programs, joint research initiatives, and faculty exchange opportunities.

- **Global Recognition & Exposure:** Hosting international conferences and workshops will showcase ACE DTBU's expertise on the world stage. It will also build strategic partnerships with universities abroad, enhancing global recognition and offering students a truly international learning experience.

Phase 3: Leadership and Impact (2035-2040)

Research Powerhouse

ACE DTBU aspires to become a global research leader. It will:

- **Attract Top Talent:** Secure leading researchers by offering competitive compensation, state-of-the-art facilities, and a collaborative environment.
- **Collaborative Research for Impact:** Secure research grants and forge strong partnerships to tackle critical global challenges through interdisciplinary approaches.
- **Research to Reality:** Establish a robust technology transfer program to commercialize promising research outputs, generating revenue and societal impact.

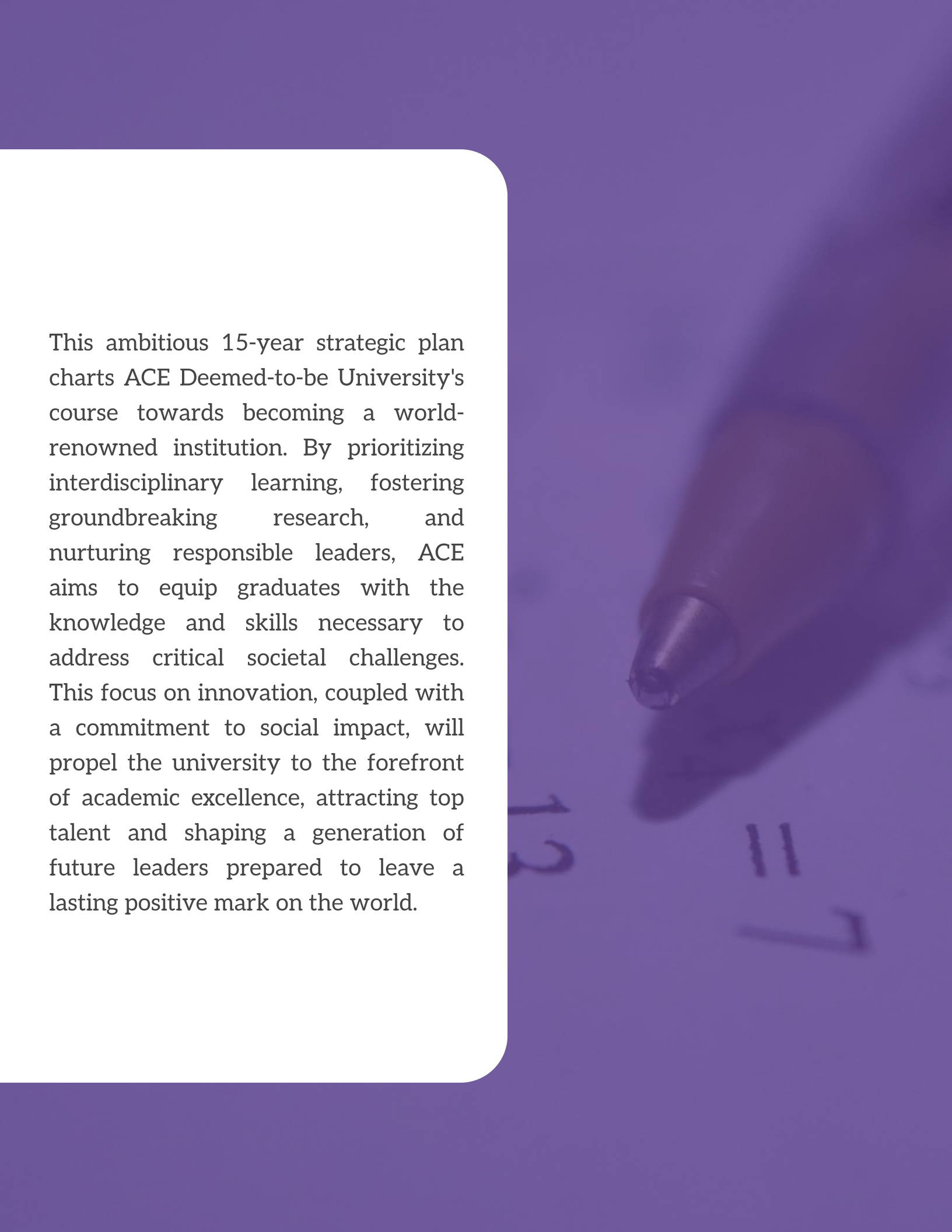
Shaping the Future

- **Ascending the Ranks:** ACE DTBU is committed to reaching the top tiers of national and international university rankings, becoming a globally recognized leader in academic excellence and innovation.
- **Global Learning Hub:** Cultivate a strong brand identity as a premier institution for integrated learning, attracting top students and faculty from across the world.
- **Guiding National Policy:** Leverage research expertise to influence national policy by providing expert advice to policymakers and government bodies.

Sustainability Champion

ACE DTBU is committed to environmental responsibility. It will:

- **Model Sustainable Operations:** Become a model for sustainable university operations through energy-efficient infrastructure, waste management programs, and utilizing renewable energy sources.
- **Embedding Sustainability:** Integrate sustainability principles into the curriculum across all disciplines, nurturing a generation of responsible environmental stewards.



This ambitious 15-year strategic plan charts ACE Deemed-to-be University's course towards becoming a world-renowned institution. By prioritizing interdisciplinary learning, fostering groundbreaking research, and nurturing responsible leaders, ACE aims to equip graduates with the knowledge and skills necessary to address critical societal challenges. This focus on innovation, coupled with a commitment to social impact, will propel the university to the forefront of academic excellence, attracting top talent and shaping a generation of future leaders prepared to leave a lasting positive mark on the world.



FIVE-YEAR ROLLING IMPLEMENTATION PLAN

5

5.1 Academic and Physical Infrastructure

The ACE Deemed-to-be University recognizes that world-class education thrives on a solid foundation. As it embarks on an ambitious journey of growth and expanding educational offerings, a comprehensive infrastructure strategy is paramount. This plan outlines the key elements that will create a robust physical infrastructure, ensuring long-term sustainability and supporting ACE DTBU's mission of delivering exceptional education, fostering cutting-edge research, and strengthening community engagement.

01 Phased Development

Campus development will follow a strategic phased approach, meticulously aligning with the infrastructure needs of the academic programs offered by the university. This ensures optimal resource allocation and a learning environment that fosters success. However, prioritizing essential physical infrastructure is paramount, guaranteeing a well-equipped and functional campus to welcome its first student cohort.

02 World-Class Campus

ACE DTBU's campus will be a testament to its unwavering commitment to academic excellence and global leadership. Designed to meet the most rigorous international standards, its facilities will be a magnet for the brightest minds, fostering a vibrant academic community of exceptional faculty and students. From state-of-the-art research labs and inspiring learning spaces to comfortable student residences and enriching leisure amenities, every detail will be meticulously crafted to cultivate an environment that ignites intellectual curiosity, fosters collaboration, and inspires innovation.

03 A Campus Designed for Innovation

ACE Deemed-to-be University recognizes that learning flourishes within well-designed spaces. Its academic and administrative buildings will prioritize both functionality and flexibility. This ensures optimal utilization, adaptability to diverse learning styles, and the ability to accommodate future pedagogical advancements.



Beyond the physical structures, the "soft" infrastructure - including utilities and technological systems - will be a cornerstone of our success. The university will prioritize reliability and seamless upgrades, ensuring the campus remains at the forefront of technology. This comprehensive approach to infrastructure investment fosters academic excellence, research innovation, and a vibrant campus community.

By prioritizing these principles, ACE DTBU promises a campus that empowers learning, ignites innovation, and sets the stage for exceptional academic experiences.

5.2 Site Planning

ACE Deemed-to-be University (ACE DTBU) prioritizes the following core principles in its campus design and development:

- **Sustainable Harmony:** ACE's campus design will prioritize the seamless integration of urban infrastructure with the natural environment. This innovative approach fosters a sustainable learning space that promotes harmony between built structures and the surrounding ecosystem.
- **Comprehensive Master Plan:** A meticulously crafted master plan will serve as the guiding vision for the entire campus. This comprehensive document will outline land-use allocation, ensuring efficient utilization of space. Additionally, it will detail circulation patterns, promoting ease of movement within the campus. Furthermore, the master plan will designate open spaces, fostering a sense of community and well-being. Finally, it will establish infrastructure frameworks, ensuring a sustainable and functional learning environment.
- **Holistic Development:** The campus plan will go beyond the traditional academic infrastructure. While comprehensive academic facilities like administrative buildings, classrooms, laboratories, workshops, computer centres, a library, an auditorium, and dedicated housing for students and faculty will be provided, ACE recognizes the importance of a holistic learning environment. This vision extends to incorporate leisure amenities such as serene gardens, expansive parks, and a dedicated faculty club, fostering a vibrant campus community. Additionally, the plan prioritizes sustainability with the inclusion of ancillary infrastructure like efficient electricity and water supply systems, rainwater harvesting initiatives, and responsible sewage treatment facilities. These elements work together to create a stimulating and sustainable learning environment that caters to the academic, social, and physical well-being of students and faculty alike.
- **Strategic Vision for Precincts:** To ensure a cohesive and user-friendly campus experience, ACE DTBU will establish vision-level proposals for key precincts. These proposals, applicable to both the Administrative Block and the Knowledge Precinct (housing academic blocks), will define several crucial elements. Strategic placement of iconic landmarks will serve as welcoming gateways, while well-defined transport hubs will connect different areas seamlessly. Designated parking zones will promote efficient traffic flow and strategically placed leisure areas like gardens or courtyards will

foster relaxation and social interaction. Finally, clear and intuitive pedestrian and vehicular pathways will be designed throughout each precinct, ensuring a safe and efficient environment for all members of the ACE DTBU community.

- **Integrated Campus Ecosystem:** ACE reimagines the university campus. Envisioned as a living ecosystem, it transcends a collection of buildings. This multifaceted design integrates various elements. Functional and technical infrastructure provides a foundation for learning, while clear regulations and economic models ensure smooth operation. But ACE DTBU goes further. Social spaces and initiatives foster a vibrant student community built on interaction and cultural exchange. Finally, the architecture itself holds symbolic significance, embodying the university's values. By seamlessly integrating these elements, ACE DTBU's campus aspires to become a flourishing ecosystem that prioritizes learning within a dynamic environment. Here, learning isn't confined to classrooms; it thrives throughout the campus itself.
- **Unified learning space:** ACE DTBU's campus is designed to foster a culture of connected learning. Beyond traditional classrooms, a network of diverse spaces will cater to various learning styles. This includes intimate study areas for focused concentration, complemented by open zones that encourage interaction, collaboration, and spontaneous learning exchanges. Seamless transitions between these spaces will be a key consideration, allowing students and faculty to navigate effortlessly between academic blocks, administrative buildings, and dedicated learning clusters. This interconnected design fosters a dynamic learning environment where knowledge acquisition transcends the confines of classrooms and spills over into all aspects of campus life.
- **Fostering Biodiversity:** ACE DTBU recognizes the importance of environmental responsibility. The campus design will prioritize extensive, self-sustaining green spaces. These spaces will not only promote a sense of well-being and a connection to nature but will also actively contribute to biodiversity. This focus on ecological diversity will be achieved through the meticulous selection of plant species and the creation of habitats that attract a variety of wildlife. By integrating these elements, ACE aims to create a healthy and sustainable learning environment that fosters a deep appreciation for the natural world.

By adhering to these meticulously crafted principles, ACE aspires to create a campus that transcends mere functionality. Here, sustainability, aesthetics, and a vibrant learning environment will be seamlessly intertwined. Extensive green spaces will promote biodiversity and well-being, while a network of connected learning spaces will foster collaboration and knowledge exchange. Clear design principles will ensure efficient movement and a user-friendly experience for all. Ultimately, ACE DTBU campus aspires to become a living ecosystem, nurturing a strong sense of community and fostering the "refined art of learning" within a dynamic and enriching environment.





Design Philosophy

ACE Deemed-to-be University aspires to be more than just a university; it envisions itself as a **Centre of Excellence**. The university aims to bridge the gap between established academic disciplines and the demands of the 21st century.

Our focus is two-pronged: preserving academic legacy while embracing emerging high-growth fields and aligning the programs with India's strategic needs to equip graduates for nation-building. ACE recognizes the importance of fostering future leaders with an entrepreneurial mindset. It will offer a comprehensive suite of programs encompassing practical entrepreneurship training, cutting-edge research, valuable consultancy services for existing businesses, and high-quality learning materials to ensure students have access to the most up-to-date information.


Cooperative Design Workflow


To ensure the ACE campus design embodies its core values, a collaborative approach will be central to the process. This approach will bring together a diverse team of experts from architecture, landscape design, education, sustainability, and the local community. By leveraging the synergies and strengths of these varied perspectives, we aim to foster a vibrant design environment where a multitude of approaches can flourish. This collaborative effort will ensure that the final design reflects not only the university's character but also fosters a dynamic learning environment that inspires creativity, collaboration, and a sense of belonging for all members.


Interactive Learning Environment


ACE is committed to fostering a dynamic learning environment that goes beyond traditional classrooms. The learning spaces will be designed to encourage collaboration and the exchange of ideas. Imagine vibrant spaces that spark curiosity and break down disciplinary barriers. By fostering interaction between students with diverse specializations, the university aims to broaden their horizons and equip students with a wider range of skills. This will prepare students to become well-rounded individuals who can make significant contributions in their chosen fields and beyond. It believes that exposure to various perspectives and collaborative problem-solving are essential for success in the interconnected world.


Since its inception, ACE has adhered to a defined set of guiding principles that steer the development process:


 From the earliest planning stages, resource conservation will be a key consideration. The chosen site will be treated with respect, and its inherent beauty and character acknowledged and preserved. The university envisions a harmonious blend of nature and development, where a well-planned project integrates seamlessly with the existing environment. This respectful approach signifies a deep commitment to sustainability, fostering a space that celebrates the delicate balance between progress and environmental stewardship.

 **Campus that Ignites the Mind:** Cultivating a vibrant environment that fosters academic excellence, creativity, and imagination. The collaboration will flourish in flexible learning areas. Every corner will be designed to inspire, empowering students to push boundaries and rewrite the rules. This is where curiosity takes flight, paving the way for a generation of bold thinkers and innovative problem solvers.

 **Embracing sustainability:** The future demands a commitment to environmental responsibility. The design approach will integrate ecological principles and cutting-edge technologies throughout the construction process and beyond.

 **A Campus for All:** Buildings will be designed with the needs of everyone in mind, fostering a welcoming environment where all can learn and thrive. Imagine a campus that removes barriers, not only physical ones but also those that hinder a sense of belonging. This approach reflects the character and dignity befitting a leading institution of higher learning, one that values not just academic excellence, but also the potential that lies within every individual.

 **Flexibility:** The design will prioritize adaptable spaces that foster ongoing interaction and can effortlessly morph to accommodate future growth and evolving needs.

 **Traffic-Calmed Campus:** The campus design prioritizes pedestrian safety and a tranquil learning environment. The main vehicular access route will be strategically located at the periphery, minimizing traffic and creating a pedestrian-friendly core. Essential access for deliveries, disabled individuals, emergencies, and other specific needs will be carefully considered and incorporated.

Guided by principles that harmonize sustainability, functionality, and aesthetics, the campus design aspires to be a symphony of purpose. Resource conservation is at the forefront, while meticulously planned spaces ensure optimal use and beauty. Collaborative learning environments foster a dynamic atmosphere, and the design itself encourages a strong sense of community. This approach transcends mere construction; it's an invitation to a future where education thrives alongside environmental responsibility and a vibrant sense of belonging.

Building Concept

The design will feature expansive windows in the facade, ensuring ample natural light floods the interior spaces. This approach not only promotes energy efficiency by reducing the need for artificial lighting but also enhances the ambiance, creating a vibrant and inviting atmosphere. These large window openings will establish a visual and spatial connection to the university campus square outside, fostering a sense of belonging and integration with the broader campus community.

The concept will be developed in alignment with sustainable development principles. The primary objectives of the proposal are twofold: to create a rich and diverse learning environment and to establish a distinct urban configuration for the area.

The design integrates the new realities of contemporary urban life, tailored to the sector's topography. By leveraging the dramatic landscape and significant elevations, the design creates zones of varying density, complemented by fluid and iconic green wedges that meander through the area.



The design will incorporate optimized green spaces, infrastructure to combat heat islands, and the use of solar energy. The core concept of the proposed plan is to offer a humane environment for learning, working, and living, providing a respite from the dehumanizing, mechanical nature of current technology.

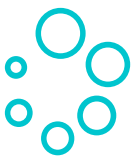
The concept features traditional courtyards at the center of the academic blocks, reflecting the cultural characteristics of the landscape. It integrates a clear hierarchy between private and public spaces, balancing openness and privacy.

The campus design strives for a functional environment that balances formality with the needs of both focused learning and social interaction. Larger formal spaces will be dedicated to lectures and official functions, reflecting the institution's prestige. Complementing these will be a series of informal, "street-like" spaces that encourage spontaneous interaction and a sense of community. Movement corridors will connect these areas, creating a clear hierarchy within the campus and ensuring a cohesive flow. The scale, materials, and design of these corridors will echo the surrounding buildings and open spaces, fostering a sense of harmony throughout the campus. This thoughtful approach caters to diverse needs, offering a unique tapestry of spaces that inspires both academic excellence and a vibrant sense of community.



The Auditorium

The centerpiece of the campus will be a state-of-the-art auditorium boasting 900-seat capacity. This impressive venue will not only prioritize comfort and accessibility but also meticulously focus on acoustics and lighting. This ensures a truly immersive experience for both audiences and performers, fostering a space that ignites creativity and sparks impactful ideas.



Open Air Theatre (OAT)

Complementing the world-class auditorium, the university will feature an open-air amphitheatre (OAT). This versatile space, partially or fully open to the sky, will provide a unique venue for lectures, performances, and social gatherings under the stars. The amphitheatre will be constructed with weather-resistant materials, prioritizing slip resistance, non-porosity, and moisture resistance to ensure year-round usability and safety.

To ensure a smooth flow of movement throughout the campus, careful attention will be paid to circulation areas. Lobbies, passageways, pathways, and roads will be meticulously designed for functionality and aesthetics. This includes prioritizing accessibility for all users, creating clear wayfinding signage, and incorporating design elements that complement the overall architectural style of the campus.



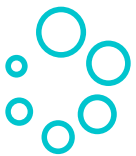
Durable and Low- Maintenance Circulation Areas

Recognizing the high traffic volume in circulation areas, the design prioritizes durable and long-lasting materials that minimize maintenance needs. This ensures a lasting aesthetic while minimizing long-term costs. Lobbies and passageways will utilize a medium-dark color palette with a hard-wearing finish. This combination promotes serviceability, meaning ease of cleaning and upkeep. Additionally, materials like vinyl wall coverings or polymix offer practical solutions for high-traffic environments, ensuring the spaces remain clean and attractive for years to come.



Cafeteria and Canteens

Suitable materials will be selected for both dry and wet areas, with medium-toned ceramic tiles used on walls and floors for easy cleaning and maintenance. Countertops will be designed with plastic laminate to facilitate food preparation and ensure durability.



Workshops and Laboratories

Recognizing the demanding nature of experimentation and hands-on learning, technology workshops and laboratories will be outfitted with specialized Type C flooring. This heavy-duty solution goes beyond aesthetics; it's specifically engineered to withstand the challenges of these environments. Type C flooring boasts exceptional chemical resistance, standing up to exposure to acids and oil spills, ensuring the safety of students, and minimizing damage to the facilities. Furthermore, it demonstrates exceptional heat tolerance, withstanding high temperatures generated by processes like welding without warping or cracking. Safety remains a top priority, and this type of flooring prioritizes slip resistance to minimize the risk of accidents.



Lecture Rooms

The design of lecture rooms prioritizes creating a stimulating and productive learning

environment. Large windows will bathe the spaces in natural light, promoting energy efficiency and student well-being. Operable blinds or shades will ensure optimal light control throughout the day. Acoustic considerations are paramount, with ceilings meticulously designed to facilitate exceptional acoustics for clear and intelligible sound transmission during lectures and discussions. Easy maintenance is a key factor, and walls will be clad in cleanable materials that minimize upkeep and contribute to a fresh and inviting atmosphere. To further enhance the learning experience, light paint colors will create a calming and serene ambiance, fostering focused learning and reducing distractions for students.



Washrooms Design Considerations

Recognizing the unique challenges of moisture control in educational washrooms due to spills, showers, and frequent cleaning, ACE prioritizes both durability and hygiene in its design. High-quality, water-resistant materials will be used for walls, floors, and fixtures, ensuring they can withstand the daily wear and tear of a busy campus environment. Furthermore, the design will incorporate vandal-resistant elements to minimize maintenance costs and ensure long-term functionality. Easy-to-clean surfaces and well-designed fixtures will be prioritized, promoting a clean and hygienic environment for all users. By focusing on both durability and user experience, the university is committed to creating washrooms that are not only functional but also contribute to a positive and healthy learning environment.

Materials to be used:

- **Flooring:** Non-slip ceramic tiles, natural stone, homogeneous tiles, or terrazzo are ideal choices due to their moisture resistance, durability, and ease of cleaning.
- **Walls:** Recommended materials include ceramic tiles, natural stone, homogeneous tiles, stainless steel, enameled steel panels, glass blocks, aluminum panels, and phenolic cladding. These options are chosen for their durability, moisture resistance, and ability to withstand wear and tear.
- **Ceilings:** Mineral fiberboard, fibrous plasterboard, aluminum panels, or strips are recommended for their moisture resistance, acoustic insulation, and polished appearance.

Recognizing the importance of user well-being, ACE prioritizes functionality and durability in washroom design. Meticulous material selection ensures these facilities are

not only aesthetically pleasing but also resistant to the challenges of a busy campus environment. Easy-to-clean surfaces and well-designed fixtures will be prioritized, promoting a clean and hygienic environment for all students and staff.



Sports Complex

The university recognizes the importance of a healthy and active lifestyle. To foster this commitment, the university will boast a comprehensive sports complex offering a variety of facilities for students and staff to enjoy.

- **Tennis Courts-** The sports complex will feature multiple tennis courts constructed to meet the highest international standards. These all-weather hard courts will be enclosed by high-wire mesh fencing, ensuring optimal playing conditions and safety for players of all skill levels.
- **Cricket Ground-** The sports complex will cater to cricket enthusiasts with a standardized cricket ground. The playing surface will be carefully selected, with options for either natural grass or high-performance artificial turf depending on the specific terrain and climate considerations. This ensures optimal playing conditions year-round, fostering a vibrant cricket community on campus.
- **Gymnasium-** Recognizing the importance of overall health and well-being, the university will feature a state-of-the-art gymnasium designed to empower students and staff on their fitness journeys. Durable and easy-to-maintain materials will be used for construction and finishes, ensuring the gymnasium remains a fresh and inviting space for years to come. The centerpiece will be the meticulously chosen fitness equipment. Here, quality reigns supreme. High-performance machines will be selected for their durability, minimizing the need for frequent replacements, and ensuring long-term functionality for users of all fitness levels.

Academic Infrastructure Plan

(in sqft)

Academic Infrastructure	Phase 1				
	Y1	Y2	Y3	Y4	Y5
Total Enrolled Students	4,415	5,087	5,806	6,565	7,587
BuA required @ 80.73 sqft per student (Built-up-Area)	3,56,432	4,10,684	4,68,730	5,30,005	6,12,513
Min 5,000 sqmt BuA required to start operations	53,821				
Existing BuA available	3,60,500	3,60,500	3,60,500	3,60,500	3,60,500
New BuA (to be built in previous year)	-	60,000	50,000	70,000	80,000
New BuA (sqft cumulative)	-	60,000	1,10,000	1,80,000	2,60,000
Total BuA available (in sqft)	3,60,500	4,20,500	4,70,500	5,40,500	6,20,500

ACE DTBU has developed a year-on-year construction plan to accommodate the increasing student population. Currently, the campus boasts 3,60,500 square feet of built-up area.

By the end of Phase 1, this will expand to approx. 6,20,000 square feet of academic space.

(in sqft)

Academic Infrastructure	Phase 2				
	Y6	Y7	Y8	Y9	Y10
Total Enrolled Students	8,049	8,184	8,228	8,228	8,228
BuA required @ 80.73 sqft per student (Built-up-Area)	6,49,812	6,60,710	6,64,263	6,64,263	6,64,263
Min 5,000 sqmt BuA required to start operations					
Existing BuA available	3,60,500	3,60,500	3,60,500	3,60,500	3,60,500
New BuA (to be built in previous year)	40,000	10,000	-	-	-
New BuA (sqft cumulative)	3,00,000	3,10,000	3,10,000	3,10,000	3,10,000
Total BuA available (in sqft)	6,60,500	6,70,500	6,70,500	6,70,500	6,70,500

Upon the completion of Phase 2, ACE will have approx. 6,70,000 square feet of academic built-up area and will be sufficient to accommodate the growth anticipated in Phase 3.

(in sqft)

Academic Infrastructure	Phase 3				
	Y11	Y12	Y13	Y14	Y15
Total Enrolled Students	8,228	8,228	8,228	8,228	8,228
BuA required @ 80.73 sqft per student (Built-up-Area)	6,64,263	6,64,263	6,64,263	6,64,263	6,64,263
Min 5,000 sqmt BuA required to start operations					
Existing BuA available	3,60,500	3,60,500	3,60,500	3,60,500	3,60,500
New BuA (to be built in previous year)	-	-	-	-	-
New BuA (sqft cumulative)	3,10,000	3,10,000	3,10,000	3,10,000	3,10,000
Total BuA available (in sqft)	6,70,500	6,70,500	6,70,500	6,70,500	6,70,500



Existing Academic Infrastructure

Hostel Infrastructure Plan

ACE DTBU plans to invest in hostel infrastructure to accommodate at least 25% of its student population. The university will incrementally add hostel beds to meet the growing demand on campus. Currently, the institution already has capacity to accommodate 550 students in hostel. From 2nd year onwards the institution will start building more hostels and by the end of Phase 1, it will have a total of 1,897 hostel beds on campus.

Hostel Infrastructure	Phase 1				
	Y1	Y2	Y3	Y4	Y5
Number of Beds Needed	552	552	871	1,313	1,897
New Built-up Area Required	-	-	61,000	61,000	61,000
Cumulative	-	-	61,000	1,22,000	1,83,000

The institute will continue to invest in hostel infrastructure during Phase 2 and Phase 3 to meet the growing demand on campus. By the end of Phase 2, it will have a total of 2,100 (Approx) hostel beds available.

Hostel Infrastructure	Phase 2				
	Y6	Y7	Y8	Y9	Y10
Number of Beds Needed	2,012	2,046	2,057	2,057	2,057
New Built-up Area Required	20,400	-	20,400	-	-
Cumulative	2,03,400	2,03,400	2,23,800	2,23,800	2,23,800



GIRLS HOSTEL



BOYS HOSTEL

Faculty and Staff Accommodation

ACE is dedicated to cultivating a dynamic and nurturing academic environment. As part of this commitment, the university intends to develop on-campus housing specifically designed for faculty and staff, aiming to accommodate 25% of the entire workforce. The initial staff housing complex is scheduled for completion by 6th year of incorporation of DTBU.

Faculty and Staff Accommodation	Phase 2				
	Y6	Y7	Y8	Y9	Y10
No. of faculty and staff members	593	607	617	620	624
Desired coverage	0%	10%	15%	20%	25%
<i>Number of flats needed</i>	-	61	93	124	156
Flats built during the year	75	45	15	35	5
Total flats available (built in previous year)	-	75	120	135	170
New BuA (in sqft)	45,000	26,000	13,000	19,000	6,000

Upon completion of phase 2, there will be 170 flats available on campus, adequately meeting the housing requirements for more than 25% of staff and faculty members

5.3 15-year Infrastructure Plan

The strategic plan outlines a 15-year roadmap for the development of the ACE Deemed-to-be University (ACE DTBU) infrastructure. Divided into three distinct phases of five years each, the plan meticulously charts a course toward creating a world-class learning environment. The design prioritizes fostering:

- Collaboration
- Sustainability
- Cutting-Edge Research

ACE is poised to cultivate a vibrant and future-oriented learning environment for generations to come by meticulously aligning the infrastructure development plan with the university's vision and mission.

Phase 1: Foundation and Consolidation

The meticulously crafted infrastructure development plan for ACE DTBU prioritizes the creation of a world-class learning ecosystem that fosters academic excellence, innovation, and a vibrant student life. Phase 1 focuses on establishing a robust foundation for future growth.

Academic Buildings:

Phase 1 Construction will prioritize core faculty buildings, featuring:

- **Collaborative Classrooms:** provides flexible learning spaces designed to promote interdisciplinary exploration and active learning.
- **Advanced Laboratories:** establish state-of-the-art laboratories equipped with cutting-edge technology to support groundbreaking research and experimentation.
- **Faculty Collaboration Zones:** Provides dedicated spaces for faculty interaction, fostering knowledge sharing and interdepartmental collaboration.

Learning Resource Center (LRC):

A state-of-the-art LRC will be established, providing students with a comprehensive collection of resources, including:

- **Print and Digital Resources:** provides a curated selection of books, journals, e-books, and online databases to support diverse learning styles and research needs.
- **Advanced Learning Technologies:** Interactive learning tools and multimedia resources to enhance understanding and engagement.
- **Expert Librarians:** A team of qualified librarians will be available to assist students with research and information retrieval.

Robust IT Infrastructure:

A high-performance and secure IT infrastructure will be developed to support all academic activities, including:

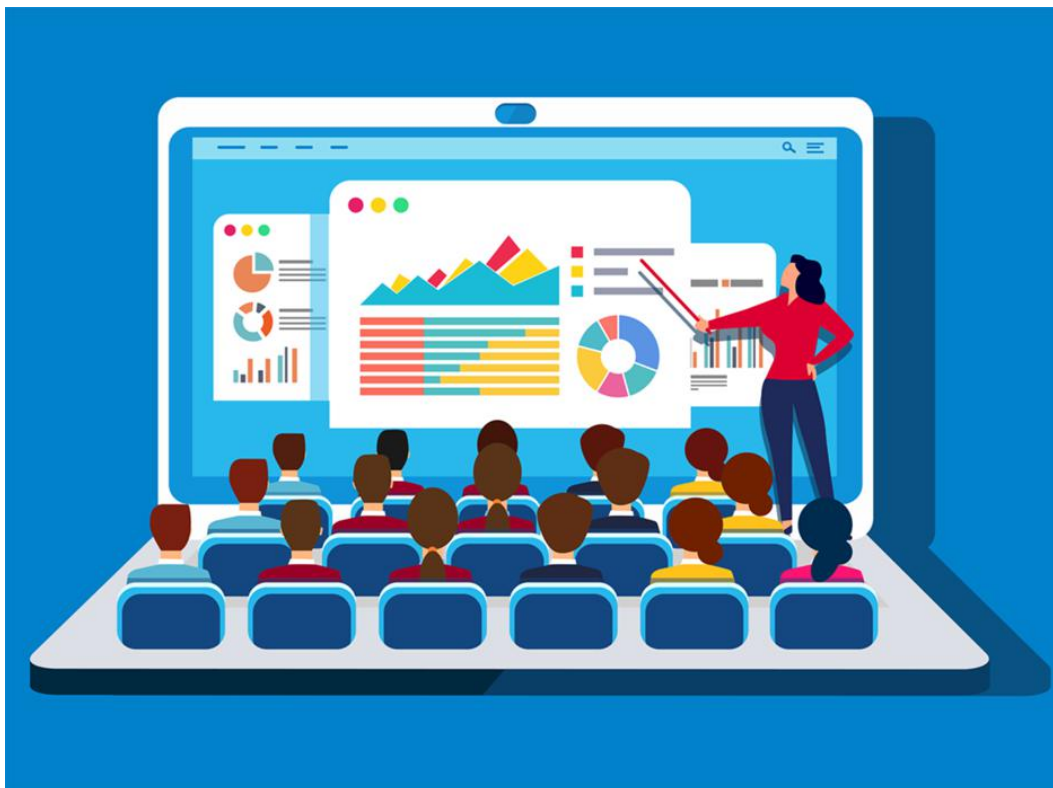
- **High-speed Internet Connectivity:** provides uninterrupted access to the Internet that empowers seamless communication, research, and collaboration.
- **Centralized Computing System:** A reliable and scalable computing system will ensure efficient access to necessary software and resources.
- **Learning Management System (LMS):** An intuitive LMS will provide a platform for online courses, content delivery, and personalized learning experiences.

Dedicated Student Amenities:

Spaces designed to foster a vibrant student community:

- **Multi-Purpose Hall:** Establish a space for hosting events, lectures, student performances, and social gatherings.
- **Common Rooms:** Provides relaxation and study areas for informal interaction and collaboration outside of the classroom.

- **Recreational Facilities:** Provides facilities and recreational spaces to promote physical well-being and student engagement.
- **Well-Equipped Cafeterias:** Diverse dining options catering to various dietary needs and preferences will be established.



Sustainable Design and Construction:

The emphasis will be on integrating environmentally responsible practices throughout development. This may include:

- **Energy-Efficient Materials:** Utilizing materials known for their low environmental impact and high thermal efficiency.
- **Renewable Energy Sources:** Exploring options like solar panels or wind power to contribute to a more sustainable campus environment.
- **Water Conservation Techniques:** Implements water-saving fixtures and landscaping practices to minimize water consumption.



Phase 2: Expansion and Innovation

Phase 2 of the ACE DTBU infrastructure development plan builds upon the strong foundation established in Phase 1. Focusing on expansion and innovation, this phase propels the university towards becoming a hub for cutting-edge research, student entrepreneurship, and a vibrant campus life.

Advanced Research Facilities:

Catering to the evolving needs of each school, specialized facilities will be constructed, including:

- **Cutting-Edge Laboratories:** Establish state-of-the-art research labs equipped with advanced technology to support groundbreaking research endeavors across diverse disciplines.
- **Immersive Simulation Centres:** Interactive simulation centres will provide students with practical experience in fields like medicine, and engineering

Academic Expansion:

To accommodate an expanding student body and evolving course offerings, additional academic buildings will be constructed. These buildings will be prioritized:

- **Flexible Learning Spaces:** Adaptable classrooms and learning areas designed to accommodate diverse teaching methodologies and foster active learning.
- **Collaborative Learning Zones:** Provides dedicated spaces for interdisciplinary collaboration and faculty-student interaction.

Innovation Hub:

This dedicated hub will serve as a launchpad for student and faculty entrepreneurship. Key features include:

- **Incubation Space:** Providing resources and facilities for students to develop their ideas into viable businesses.
- **Mentorship Programs:** Connecting students and faculty with experienced mentors to offer guidance and support.

- **Funding Opportunities:** Facilitating access to funding sources to help students translate their innovative ideas into reality.

World-Class Sports Complex:

A comprehensive sports complex will be developed, featuring facilities for various sports and fitness activities. This complex will:

- **Promote Student Well-being:** Encourage physical activity and a healthy lifestyle among the student body.
- **Foster Community Engagement:** Provide a platform for inter-competitions, promoting teamwork and sportsmanship.

Sustainability Initiatives:

A key focus will be on developing green spaces across campus, creating:

- **A Healthy Environment:** Landscaping with native plants will promote biodiversity, and improve air quality, and well-designed green spaces will provide a serene environment for relaxation and reflection.
- **Comprehensive Waste Management Systems:** Minimizing waste generation and promoting responsible disposal practices.
- **Rainwater Harvesting:** Collecting and utilizing rainwater for irrigation and other non-potable uses.

Phase 3: Expansion and Innovation

Phase 3 of ACE DTBU's infrastructure development plan ushers in a new era of consolidation and advancement. This phase focuses on solidifying the university's position as a global leader in research, knowledge dissemination, and inclusivity.

Advanced Research Infrastructure:

Unprecedented investment will be made in cutting-edge research infrastructure, including:

- **Specialized Research Labs:** Expansion of specialized research labs catering to emerging fields and interdisciplinary research initiatives.
- **High-Performance Computing Facilities:** State-of-the-art computing facilities to support complex data analysis and computational research.
- **Advanced Scientific Equipment:** Acquisition of cutting-edge scientific equipment to enhance research capabilities across disciplines.

Conference Centre:

The construction of a world-class conference center will position the university as a premier venue for:

- **International Conferences:** Hosting prestigious international conferences, workshops, and symposiums, fostering collaboration and knowledge exchange with leading scholars and researchers.
- **Knowledge Dissemination:** Providing a platform for faculty and students to share their research findings with a global audience.
- **Enhanced Reputation:** Solidifying ACE DTBU's reputation as a global leader in knowledge creation and innovation.

Embracing Smart Technologies:

ACE will embrace smart campus technologies to enhance efficiency, sustainability, and resource management. This may include:

- **Building Automation Systems:** Optimizing energy consumption and ensuring building comfort through automated systems.
- **Sensor Networks:** Deploying sensor networks to gather real-time data for data-driven decision-making on resource allocation and maintenance.
- **Data Analytics Tools:** Utilizing data analytics tools to identify trends and optimize campus operations across all departments.

Fostering Lifelong Connections:

A dedicated alumni centre will be established to cultivate a strong and enduring connection with ACE DTBU graduates. This centre will offer:

- **Networking Opportunities:** Providing a platform for alumni to connect, fostering professional development and collaboration.
- **Mentorship Programs:** Connecting alumni mentors with current students, offering invaluable guidance and career support.
- **Lifelong Learning Initiatives:** Hosting workshops, seminars, and events focused on continuous learning and professional development for alumni.

Championing Inclusivity:

Ensuring all buildings and facilities are universally accessible, with features that cater to students with disabilities. This commitment promotes a truly inclusive learning environment where all students can thrive.



ACE's infrastructure development plan ensures the university remains at the forefront of educational innovation. The university is well-positioned to attract and nurture the next generation of global leaders.

Evaluation and Continuous Improvement

ACE's commitment to excellence extends beyond the initial construction phase. To ensure the infrastructure plan remains dynamic and responsive to evolving needs, a comprehensive assessment process will be implemented throughout the 15 years. This ongoing evaluation will focus on several key areas:

- Space utilization will be continuously monitored across campus. This data will be used to inform adjustments to construction plans in future phases, ensuring efficient allocation of resources and a built environment that adapts to the university's growth.
- The effectiveness of implemented sustainable practices will be continually evaluated. This ongoing process will identify opportunities for improvement and lead to the adoption of even more innovative green initiatives that minimize the university's environmental impact.
- Regular user satisfaction surveys and focus groups will be conducted to gauge the experiences of students, faculty, and staff with campus facilities and amenities. This valuable feedback will be incorporated to refine existing spaces and guide future development, ensuring a user-centric learning environment.
- A proactive approach will be taken to maintenance and renovation projects. These will be prioritized based on identified needs and available resources. This ensures a focus on critical repairs and ensures all facilities remain functional and contribute to a positive learning environment.

This world-class infrastructure serves not just as a physical foundation, but as a springboard for ACE DTBU's continued growth and success. By fostering a culture of continuous improvement, the university ensures its learning environment remains not only exceptional but also adaptable, evolving alongside the needs of its students, faculty, and the ever-changing world of education.

EXISTING INFRASTRUCTURE



MACHINE LEARNING LAB



3D Printer Lab



FLUID MECHANICS LAB 1



CSD LAB-1



EMBEDDED SYSTEMS LAB



MICROWAVE & OPTICAL COMMUNICATION LAB (1)



CAD LAB



SEMINAR HALL 3

5.4 Academic Plan

ACE Deemed-to-be University is envisioned to transform into a leading Multidisciplinary Education and Research University (MERU). This comprehensive university will offer a full spectrum of undergraduate, postgraduate, and doctoral programs, fostering a dynamic learning environment. Its core principles emphasize high-quality teaching delivered by passionate faculty, alongside a strong commitment to cutting-edge research across various disciplines. Recognizing the value of interdisciplinary collaboration, the curriculum will be designed to encourage cross-field exploration and problem-solving, preparing students to tackle the complexities of the 21st century.

Core Faculties at the ACE Deemed-to-be University



Faculty of Engineering & Computer Science-

The Faculty of Engineering & Computer Sciences includes the School of Engineering and the School of Computer Science & Data Science. It offers a range of undergraduate and postgraduate programs in disciplines such as mechanics, electronics, AI and machine learning, and etc.



Faculty of Sciences-

The Faculty of Sciences includes the School of Health Sciences and the School of Environment & Agricultural Sciences. It offers undergraduate and postgraduate programs in various disciplines, such as nutrition and dietetics, nursing, Environmental Science, Horticulture and more.



Faculty of Skill Development-

The Faculty of Skill Development includes the Schools of Automobile Skills, Electronics Skills, and Manufacturing Skills. It offers undergraduate and postgraduate programs in various disciplines, such as auto service, smart devices, Apparel and textile and more.



Faculty of Business-

The Faculty of Business comprises the School of Management, School of Commerce. It offers undergraduate and postgraduate programs in various disciplines, including finance, banking, business analytics and more.



Faculty of Traditional Indian Knowledge-

The Faculty of Traditional Indian Knowledge encompasses the School of Vedic Studies, School of Yoga studies, and School of Indian Performing Arts. It offers graduate and postgraduate programs across various disciplines such as Vedic science, Yoga and dance and music, etc.

Quality Assurance Mechanisms

ACE is steadfastly committed to achieving the highest quality standards in all aspects of its academic and research endeavors. This unwavering dedication is driven by a rigorous process of benchmarking against internationally recognized criteria. Through this commitment to excellence, the university strives to:

- **Faculty Quality-** Selective faculty recruitment prioritizes highly qualified, research-active academics with industry expertise. ACE fosters an environment that empowers them to achieve teaching and research excellence.
- **Educational Delivery-** ACE leverages technology to enhance classroom instruction, facilitate workplace learning through industry partnerships and virtual platforms, and implement a robust quality assessment system.
- **Governance and Administration-** Effective academic & administrative management is ensured through strong leadership, transparent policies, and automated processes.
- **Stakeholder Engagement-** Continuous quality improvement is driven by active feedback from students, staff, faculty, industry, and society.

Achieving Excellence

ACE prioritizes excellence through:

- **Accreditation and standards** - ACE is dedicated to achieving accreditation from the National Assessment and Accreditation Council (NAAC) and will actively seek additional national and international accreditations, including NBA, NIRF, AMBA, AACSB, and ABET.
- **Student-Centered Learning:** Implement a student-centered learning approach that emphasizes

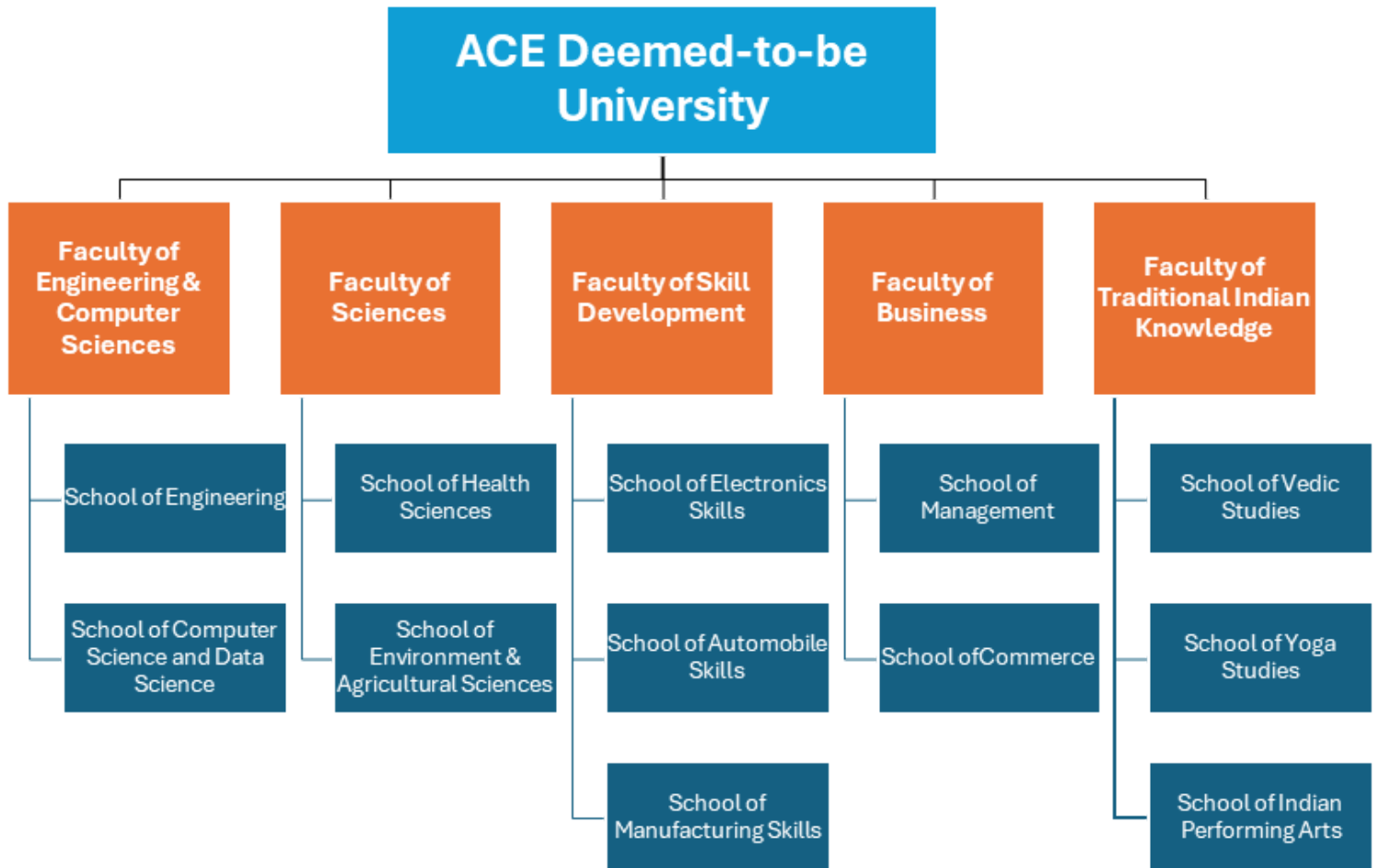
personalized education, active learning, and critical thinking skills.

- **Strengthening Industry Partnerships:** Building strong relationships with industry leaders to provide students with real-world learning opportunities, internships, and job placements.
- **Enhancing Student Support Services:** Offer robust support services such as academic advising, career counseling, mental health resources, and extracurricular activities to support student well-being and success.
- **Upgrading Infrastructure:** Develop state-of-the-art facilities, including modern laboratories, libraries, and technology-enhanced classrooms, to support high-quality education and research.
- **Promoting Research and Innovation:** Establish research centres and provide funding for innovative projects. Encourage interdisciplinary research and collaboration with industry partners.
- **Enhancing Faculty Development:** Invest in continuous professional development programs for faculty to keep them updated with the latest research, teaching methodologies, and industry trends.
- **Outcome-Based Learning:** ACE utilizes a robust system that aligns Program Outcomes, Course Outcomes, and Program Educational Objectives. This ensures an inquiry-based, project-led approach that fosters holistic student development.
- **Blended Learning Advantage:** Recognizing the value of both traditional and digital education, it offers a variety of blended learning models, leveraging government initiatives like SWAYAM and Diksha. This caters to different learning styles and provides flexibility for part-time and full-time students.
- **Capstone Project Online Programs:** Online degrees and diplomas culminate in a capstone project, encouraging students to apply their knowledge to solve real-world problems through complex, open-ended endeavors. Projects can be social/conceptual, entrepreneurial, or technology focused.
- **Innovation Hubs:** Centres of Excellence (COEs) serve as focal points for research, attracting talent and investment while fostering collaboration and knowledge generation.
- **Centre for Careers and Employability:** offer career development programs, internship opportunities, and pre-placement training to enhance students' employability skills.

By implementing these initiatives, ACE goes beyond simply providing an education; it cultivates well-rounded, adaptable, and industry-ready graduates prepared to make a positive impact on the world.

5.5 The Academic Schools at ACE DTBU

At the heart of ACE Deemed-to-be University are five meticulously designed core faculties, each tailored to meet the diverse needs of students, industries, society, and the nation. These faculties align perfectly with the transformative goals of the New Education Policy 2020. This section provides an in-depth look at each faculty at ACE, exploring the comprehensive rationale behind their establishment.



Below, we discuss each faculty detailing the rationale behind their establishment. Each faculty has been carefully designed to align with both regional and national needs, ensuring a comprehensive educational experience that meets industry standards and societal demands

Faculty of Traditional Indian Knowledge

The Faculty of Traditional Indian Knowledge, established within ACE deemed-to-be university, is dedicated to preserving and promoting India's rich cultural and intellectual heritage. The faculty encompasses the School of Vedic Studies, School of Yoga Studies, and School of Indian Performing Arts, offering a diverse range of graduate and postgraduate programs. By integrating ancient wisdom with modern academic rigor, it aims to cultivate a deeper understanding and appreciation of traditional Indian knowledge systems among its students.



Why Faculty of Traditional Indian Knowledge

The Faculty of Traditional Indian Knowledge is dedicated to preserving and revitalizing India's ancient wisdom through its specialized Vedic Studies, Yoga Studies, and Performing Arts schools. This faculty will serve as guardian of the nation's rich cultural legacy, ensuring that the profound knowledge contained in Vedic scriptures, the transformative practices of yoga, and the expressive beauty of classical dance and music are sustained and propagated for future generations. By institutionalizing these disciplines, the faculty provides a structured pathway for the transmission of invaluable traditions, fostering a deep cultural appreciation and continuity.

In Vedic Studies, students will delve into the profound philosophical and spiritual texts that have shaped Indian thought for millennia, gaining insights that promote a comprehensive understanding of human existence and ethics. The School of Yoga Studies emphasizes the interconnectedness of mind, body, and spirit, equipping students with tools for holistic well-being and resilience, which are essential for navigating the complexities of modern life. Meanwhile, the School of Performing Arts nurtures the creative and artistic expressions that have been the hallmark of Indian culture, encouraging a blend of tradition and innovation that keeps these art forms vibrant and relevant.

The faculty's commitment to interdisciplinary research fosters a dynamic interplay between traditional knowledge and contemporary scientific methodologies. This synergy can lead to innovative solutions and new paradigms that benefit both historical and modern contexts, pushing the frontiers of knowledge and its practical applications. Economically, the faculty will contribute significantly by training professionals in sectors such as wellness, alternative medicine, and the arts, thereby generating employment opportunities and enhancing community well-being. The emphasis on cultural pride and heritage nurtures a sense of identity and belonging, which is crucial for societal cohesion and economic prosperity.

5 Years Rolling Implementation Plan of the Faculty of Traditional Indian Knowledge

School of Vedic Studies

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrolments														
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15
1 B.Sc. In Vedic Science	4	30	25,000	10	20	30	30	30	30	30	30	30	30	30	30	30	30	30
2 MS in Vedic Science & Application	2	15	40,000	-	7	11	15	15	15	15	15	15	15	15	15	15	15	15
3 Phd in Vedic Studies	3	5	50,000	-	3	4	5	5	5	5	5	5	5	5	5	5	5	5
Total New Enrolments				10	30	45	50	50	50	50	50	50	50	50	50	50	50	50
Total Enrolments				10	39	81	120	145	155	155	155	155	155	155	155	155	155	155

School of Yoga Studies

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrolments														
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15
1 Diploma Programme in Yoga Teacher	1	15	25,000	10	15	15	15	15	15	15	15	15	15	15	15	15	15	15
2 B.Sc. in Yoga, Nutrition & Physiotherapy	4	15	25,000	-	10	15	15	15	15	15	15	15	15	15	15	15	15	15
3 Phd in Yoga Studies	3	2	50,000	-	1	1	1	2	2	2	2	2	2	2	2	2	2	2
Total New Enrolments				10	26	31	31	32	32	32	32	32	32	32	32	32	32	32
Total Enrolments				10	26	41	55	68	74	75	75	75	75	75	75	75	75	75

School of Indian Performing Arts

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrolments														
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15
1 BPA in Indian Classical Dance	3	15	50,000	-	-	-	-	-	15	15	15	15	15	15	15	15	15	15
2 BPA in Indian Classical Music	3	15	50,000	-	-	-	-	-	15	15	15	15	15	15	15	15	15	15
Total New Enrolments				-	-	-	-	-	30	30	30	30	30	30	30	30	30	30
Total Enrolments				-	-	-	-	-	30	60	90	90	90	90	90	90	90	90

Faculty of Business

The Faculty of Business is dedicated to nurturing the next generation of innovative leaders and entrepreneurs equipped to navigate the complexities of the global marketplace. With a curriculum that combines theoretical knowledge with practical application, the faculty will offer a comprehensive range of programs in areas such as management, finance, and business analytics. The university's goal is to foster critical thinking, ethical decision-making, and a deep understanding of business dynamics, preparing students to drive sustainable growth and contribute positively to society. Through collaboration with industry partners and a focus on real-world challenges, the Faculty of Business will empower students to realize their full potential and excel in their careers.

The faculty encompasses two Schools namely: School of Management, School of Commerce.

Why Faculty of Business

The Faculty of Business plays a crucial role in equipping students with the necessary skills and knowledge to thrive in the ever-evolving business landscape. The demand for business graduates continues to rise globally. There is a trend of growing need for skilled business professionals across various industries. Business graduates are instrumental in driving economic growth. This growth is faster than the average for all occupations, highlighting the vital role of business education in supporting economic development. Business degrees offer versatility, enabling graduates to pursue diverse career paths. The Faculty of Business also fosters innovation and entrepreneurship, critical drivers of economic progress. The Faculty ensures that students are well-prepared to meet these demands, making them valuable assets to any organization.

In conclusion, the Faculty of Business is essential in shaping the future of the global economy. The increasing demand for business graduates, their contribution to economic growth, the versatility of business degrees, high earning potential, innovation and entrepreneurship, development of essential skills, and a global perspective all underscore the significance of business education. Investing in the Faculty of Business not only benefits students but also drives economic and societal progress.

5 Years Rolling Implementation Plan of the Faculty of Business

School of Management

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrollments														
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15
1 BBA	3	60	1,50,000	20	30	40	50	60	60	60	60	60	60	60	60	60	60	60
2 BBA - Business Analytics	3	60	1,50,000	-	20	30	45	60	60	60	60	60	60	60	60	60	60	60
3 MBA - Business Analytics	2	60	2,50,000	20	30	40	50	60	60	60	60	60	60	60	60	60	60	60
4 MBA - Banking, Finance & FinTech	2	60	2,50,000	-	20	30	45	60	60	60	60	60	60	60	60	60	60	60
5 Phd in Management	3	4	1,50,000	-	1	2	3	4	4	4	4	4	4	4	4	4	4	4
Total New Enrollments				40	101	142	193	244	244	244	244	244	244	244	244	244	244	244
Total Enrollments				40	139	255	373	490	564	590	590	590	590	590	590	590	590	590

School of Commerce

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrollments														
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15
1 B.Com Hons	4	60	60,000	-	-	30	45	60	60	60	60	60	60	60	60	60	60	60
2 M.Com	2	20	1,00,000	-	20	20	20	20	20	20	20	20	20	20	20	20	20	20
Total New Enrollments				-	20	50	65	80	80	80	80	80	80	80	80	80	80	80
Total Enrollments				-	20	69	112	168	222	250	264	264	264	264	264	264	264	264

Faculty of Skill Development

The Faculty of Skill Development is committed to cultivating a highly skilled workforce equipped to excel in an increasingly competitive job landscape. By offering a comprehensive array of programs focused on vocational training, technical expertise, and essential soft skills, this faculty will prepare students to meet the evolving demands of various industries. Its innovative approach emphasizes experiential learning and strong collaborations with industry leaders, ensuring that graduates possess both relevant skills and practical experience. Dedicated to fostering lifelong learning, the Faculty of Skill Development will empower individuals to adapt, innovate, and thrive in their professional endeavors.

The faculty comprises three Schools namely: School of Electronics Skills, School of Automobile Skills, School of Manufacturing Skills.

Why Faculty of Skill Development

ACE DTBU's Faculty of Skill Development addresses a critical challenge in today's job market: the disconnect between the skills graduates possess and the demands of industry. The university bridges this gap by offering innovative, industry-aligned vocational training programs. Its curriculum will be meticulously crafted to equip graduates with the practical tools and knowledge employers actively seek. This proactive approach will ensure students are well-positioned to thrive in a competitive job market.

Anticipated projected growth within Telangana's vocational sectors, constantly adapting its programs to meet the evolving needs of the state's economy. This foresight ensures students are prepared to step seamlessly into the jobs of tomorrow.

Empowering young people with in-demand skills significantly enhances their employability prospects. This not only fosters economic independence for graduates but also injects a surge of skilled labor into the workforce, a vital ingredient for economic growth.

ACE DTBU's commitment to skill development aligns perfectly with national initiatives, and its programs play a key role in enhancing economic competitiveness and overall prosperity.

Furthermore, the Faculty of Skill Development serves as a pillar for national skill development missions. By equipping the youth with the necessary skills, it empowers them to become active participants in building a stronger, more prosperous India.

5 Years Rolling Implementation Plan of the Faculty of Skill Development

School of Electronics Skills

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrollments															
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	
1 B.Voc Home Appliances	3	30	50,000	10	20	30	30	30	30	30	30	30	30	30	30	30	30	30	30
2 B.Voc HVAC	3	30	50,000	10	20	30	30	30	30	30	30	30	30	30	30	30	30	30	30
3 B.Voc Smart Devices	3	30	50,000	-	10	20	30	30	30	30	30	30	30	30	30	30	30	30	30
Total New Enrollments				20	50	80	90	90	90	90	90	90	90	90	90	90	90	90	90
Total Enrollments				20	68	143	209	246	255	255	255	255	255	255	255	255	255	255	255

School of Automobile Skills

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrollments															
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	
1 B.Voc in Auto Service	3	30	50,000	-	-	15	30	30	30	30	30	30	30	30	30	30	30	30	30
2 B.Voc in Automotive Electricals	3	30	50,000	-	-	15	30	30	30	30	30	30	30	30	30	30	30	30	30
3 B.Voc in Automotive Electronics	3	30	50,000	-	-	15	30	30	30	30	30	30	30	30	30	30	30	30	30
Total New Enrollments				-	-	45	90	90	90	90	90	90	90	90	90	90	90	90	90
Total Enrollments				-	-	45	132	213	255	255	255	255	255	255	255	255	255	255	255

School of Manufacturing Skills

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrollments															
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15	
1 B.Voc in Furniture Making	3	30	50,000	-	-	-	30	30	30	30	30	30	30	30	30	30	30	30	30
2 B.Voc in Apparel & Textile	3	30	50,000	-	-	-	30	30	30	30	30	30	30	30	30	30	30	30	30
Total New Enrollments				-	-	-	60	60	60	60	60	60	60	60	60	60	60	60	60
Total Enrollments				-	-	-	60	116	170	170	170	170	170	170	170	170	170	170	170

Faculty of Sciences

The Faculty of Science is a dynamic hub of intellectual exploration and scientific inquiry. The programs will delve into the intricate interplay between humans and the natural world. Investigating the foundations of health, the complexities of the environment, and the cultivation of life-sustaining resources, prepares students to be at the forefront of addressing global challenges. The faculty will comprise of distinguished scholars and dedicated educators committed to fostering critical thinking, problem-solving, and a passion for discovery. Through rigorous coursework, hands-on experiences, and cutting-edge research, the faculty will provide the knowledge and skills to make a meaningful impact on society.

The faculty comprises two Schools namely: the School of Health Sciences, and the School of Environment and Agricultural Sciences.

Why Faculty of Sciences

The establishment of the Faculty of Sciences at ACE Deemed to be University in Telangana is a strategic initiative aimed at addressing the critical need for advanced education and research in the fields of health, environment, and agricultural sciences. Telangana, known for its diverse ecosystems, agricultural heritage, and growing population, faces unique challenges such as health disparities, environmental degradation, and the need for sustainable agricultural practices. The Faculty of Sciences is meticulously designed to address these challenges by equipping students with the knowledge, skills, and innovative thinking required to develop and implement effective solutions.

Through its comprehensive and interdisciplinary programs, the faculty will foster a deep understanding of health sciences, environmental stewardship, and sustainable agriculture. By integrating practical applications and cutting-edge research, the faculty will prepare graduates to become leaders, capable of driving positive change within their communities and beyond. By nurturing a new generation of skilled professionals and researchers, the Faculty of Sciences aims to enhance the health, sustainability, and economic prosperity of Telangana and contribute to the global body of knowledge in these critical fields.

5 Years Rolling Implementation Plan of the Faculty of Sciences

School of Health Sciences

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrollments														
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15
1 BS in Nutrition & Dietetics	3	30	50,000	-	15	15	30	30	30	30	30	30	30	30	30	30	30	30
2 BS in Communication Science & Development Disorders	3	30	50,000	15	15	30	30	30	30	30	30	30	30	30	30	30	30	30
3 BPT	4	30	1,50,000	15	15	30	30	30	30	30	30	30	30	30	30	30	30	30
4 BS in Nursing	4	30	1,00,000	-	15	15	30	30	30	30	30	30	30	30	30	30	30	30
5 MPT	2	30	1,00,000	-	-	15	30	30	30	30	30	30	30	30	30	30	30	30
6 MS in Nutrition & Dietetics	2	30	75,000	-	-	15	30	30	30	30	30	30	30	30	30	30	30	30
Total New Enrollments				30	60	120	180	180	180	180	180	180	180	180	180	180	180	180
Total Enrollments				30	88	202	356	452	494	508	508	508	508	508	508	508	508	508

School of Environment & Agricultural Sciences

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrollments														
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15
1 BS in Environmental Science	3	30	50,000	-	-	10	20	30	30	30	30	30	30	30	30	30	30	30
2 BS in Agriculture (Hons)	4	30	1,00,000	-	10	20	30	30	30	30	30	30	30	30	30	30	30	30
3 BS in Horticulture (Hons)	4	30	1,00,000	-	10	20	30	30	30	30	30	30	30	30	30	30	30	30
4 MS in Climate, Environment, and Sustainability	2	15	1,00,000	-	-	5	10	15	15	15	15	15	15	15	15	15	15	15
5 PhD in Environmental Science	3	2	75,000	-	1	2	2	2	2	2	2	2	2	2	2	2	2	2
Total New Enrollments				-	21	57	92	107	107	107	107	107	107	107	107	107	107	107
Total Enrollments				-	21	76	163	256	319	347	347	347	347	347	347	347	347	347

Faculty of Engineering & Computer Sciences

The Faculty of Engineering & Computer Science is at the forefront of technological innovation, dedicated to advancing knowledge in computing, data analysis, and engineering principles. By offering cutting-edge programs in areas such as computer science, artificial intelligence, machine learning, and more, the faculty will equip students with the skills necessary to tackle complex real-world challenges. The university's interdisciplinary approach fosters collaboration between theory and practical application, enabling students to engage in impactful research and projects. Committed to nurturing future leaders in technology, the Faculty will prepare graduates to drive progress and transform industries through computational excellence.

The faculty comprises two Schools namely: School of Engineering, School of Computer Science and Data Science.

Why Faculty of Engineering & Computer Science

The Faculty directly responds to the booming demand for skilled professionals in computer and IT occupations, projected to grow by 11% by 2029. Beyond workforce development, the Faculty fosters innovation in emerging technologies like AI and machine learning, contributing significantly to advancements in computational sciences that drive global GDP. Recognizing the surge in student interest in computer science programs, ACE DTBU fills a crucial educational gap by offering cutting-edge programs that prepare graduates for success in technology-driven careers. Furthermore, the Faculty understands the transformative power of digitalization.

By cultivating innovation and entrepreneurship among its students, the Faculty contributes directly to economic development within Telangana, unlocking the potential trillions in value associated with digital transformation. Finally, the Faculty's focus on computational sciences aligns perfectly with national initiatives prioritizing research in this critical field. Through its innovative programs and commitment to research excellence, ACE positions itself as a key contributor to India's rise as a global leader in technology and innovation.


5 Years Rolling Implementation Plan of the Faculty of Engineering & Computer Sciences

School of Engineering

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrolments																
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15		
1 B.Tech Civil Engineering	4	60	1,20,000	30	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	
2 B.Tech Mechanical Engineering	4	60	1,20,000	30	30	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
3 B. Tech Electrical & Electronics Engineering	4	60	1,20,000	30	30	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
4 B.Tech Electronics & Communication Engineering	4	180	1,50,000	60	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
5 B. Tech Electronics - VLSI, Embedded Systems & Semiconductor Devices	4	60	1,80,000	-	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
6 M.Tech Construction Engineering & Management	2	18	1,00,000	10	10	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
7 M.Tech Robotics & Mechatronics	2	18	1,00,000	-	10	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
8 M.Tech Electronics - VLSI, Embedded Systems & Semiconductor Devices	2	18	1,00,000	-	10	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
9 Phd in Civil/Mechanical/EEE/ECE	3	40	1,50,000	-	-	16	32	40	40	40	40	40	40	40	40	40	40	40	40	40
Total New Enrolments				160	390	490	506	514	514	514	514	514	514	514	514	514	514	514	514	514
Total Enrolments				160	540	994	1,432	1,716	1,794	1,802	1,802	1,802	1,802	1,802	1,802	1,802	1,802	1,802	1,802	1,802

School of Computer Science & Data Sciences

Programme Name	Duration (Years)	Annual Intake	Year 1 Annual Fee	New Enrolments																	
				Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15			
1 B.Tech Computer Science & Engineering	4	420	2,00,000	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	420	
2 B.Tech Computer Science & Engineering (AI&ML)	4	300	2,00,000	240	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
3 B.Tech Computer Science & Engineering (Data Science)	4	120	2,00,000	60	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
4 B.Tech Computer Science & Engineering (IoT)	4	60	1,60,000	30	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
5 B.Tech Information Technology (IT)	4	60	1,60,000	30	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60	60
6 M.Tech Computer Science	2	18	1,00,000	10	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
7 M.Tech Data Science & Artificial Intelligence	2	18	1,00,000	-	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
8 Phd in Computer Science	3	10	1,00,000	4	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
Total New Enrolments				794	1,004	1,006	1,006	1,006	1,006	1,006	1,006	1,006	1,006	1,006	1,006	1,006	1,006	1,006	1,006	1,006	1,006
Total Enrolments				794	1,757	2,681	3,553	3,717	3,717	3,717	3,717	3,717	3,717	3,717	3,717	3,717	3,717	3,717	3,717	3,717	3,717



Commitment to Excellence, Empowering Achievement

ACE Deemed-to-be University (ACE DTBU) commitment to academic excellence is rooted in a strategic and holistic approach. It will focus on the following key areas and strategies to ensure pursuit of excellence:

- **Empowering Faculty Excellence:** ACE places a high priority on attracting and retaining exceptional faculty members who are dedicated to academic rigor and student success. The university will support their ongoing professional development, encourage innovative teaching methods, and foster a culture of research and scholarly inquiry.
- **Student-Centered Learning:** Central to the university's mission is a student-centered approach that tailors educational experiences to individual needs. ACE will provide personalized learning plans, mentorship programs, and comprehensive academic support to nurture students throughout their educational journey.
- **Dynamic and Relevant Curriculum:** ACE will continuously evolve its curriculum to reflect emerging trends and industry demands and integrate cutting-edge knowledge and skills into the programs to prepare students for successful careers in a rapidly changing global landscape.
- **Cultivating Innovation and Research:** It will cultivate a vibrant research environment where curiosity thrives and new ideas flourish. Faculty and students engage in impactful research projects supported by state-of-the-art facilities and collaborative partnerships.
- **Ensuring Academic Excellence:** ACE will uphold rigorous standards of academic quality and integrity. Through robust accreditation processes and continuous improvement initiatives, the university will ensure that the programs meet the highest educational standards.
- **Enhanced Learning Facilities:** The university will boast modern facilities equipped with advanced technologies, including specialized labs, libraries, and digital resources. These resources enhance the learning experience and foster innovation among students and faculty alike.
- **Global Engagement and Collaboration:** ACE will actively seek partnerships with leading institutions worldwide to broaden students' perspectives and enrich their educational experience. These collaborations provide valuable opportunities for cultural exchange and collaborative research.

- **Feedback-Driven Improvement:** ACE values feedback from the stakeholders—students, faculty, and alumni—to continually enhance the educational offerings and operational effectiveness. This iterative process allows the university to adapt and innovate in response to evolving educational needs.
- **Diversity and Inclusivity:** ACE celebrates diversity and fosters an inclusive campus community where every individual's unique background and perspective will be valued. It believes diversity enriches learning, promotes creativity, and prepares students to thrive in a global society.
- **Ethical Leadership and Governance:** Upholding principles of ethical leadership and transparent governance is fundamental to the university's mission. It will prioritize integrity, accountability, and responsible stewardship of resources in all aspects of its operations.
- **Community Engagement and Impact:** ACE will actively engage with local communities through outreach programs, service-learning initiatives, and partnerships that address societal challenges. These efforts instill a sense of social responsibility and civic engagement in our students.
- **Sustainable Growth and Financial Stability:** The university would be committed to ensuring long-term financial sustainability to support its academic mission and strategic initiatives. Efficient resource allocation and prudent financial management are key to achieving goals.
- **Data-Driven Decision Making:** Utilizing data analytics and insights, ACE will make informed decisions to enhance operational efficiency, improve educational outcomes, and anticipate future challenges and opportunities.



Through these comprehensive strategies, ACE Deemed-to-be University aims to excel as a leading institution of higher learning, empowering students to succeed in an increasingly complex and interconnected world.

Ensuring Academic Excellence Through Auditing

Upholding Excellence

ACE is dedicated to maintaining rigorous academic standards throughout its diverse faculties and schools. To uphold a consistent level of quality, it will institute a robust academic auditing system overseen by its esteemed advisory board members.

Defining Academic Quality

Academic quality encompasses the entirety of the learning experience, emphasizing the effectiveness of learning opportunities and support structures in guiding students toward achieving their academic goals, including degrees. It ensures students have access to effective instruction, comprehensive support services, varied assessment methods, and diverse opportunities that facilitate their educational journeys.

Ensuring Standards and Continuous Improvement

The Academic Council will oversee standards in teaching, learning, and examinations, supported by regular academic audits as an ongoing process at ACE Deemed-to-be University. Additionally, strict adherence to University Grants Commission (UGC) guidelines will be rigorously maintained.

ACE DTBU will enact the following measures to ensure educational quality, encompassing both established standards and practices that promote high-quality teaching pedagogy:

- **Systems and Processes Review:** ACE will conduct regular audits of its systems and processes, including administration, admissions, and evaluation, to enhance the quality of support services. These audits may be conducted by internal audit teams or external professionals entrusted with this responsibility.
- **Internal Quality Assurance Cell (IQAC):** At ACE, achieving academic excellence is a paramount goal. The university is dedicated to upholding academic standards that align with benchmarks set by the world's leading universities, thereby striving for overall excellence in education. This commitment is led by ACE DTBU's specialized Internal Quality Assurance Cell (IQAC).

Through these comprehensive initiatives, ACE establishes a foundation for continuous improvement. This commitment ensures students receive a world-class education, equipping them with the critical knowledge and transferable skills necessary to flourish in their chosen fields and emerge as the leaders of tomorrow.

Academic Audits

ACE Deemed-to-be University will further strengthen its academic governance structure by periodically engaging external, independent auditors to conduct thorough academic reviews.

Scope of Academic Audits

These comprehensive reviews will assess key aspects of ACE DTBU's academic operations, including:

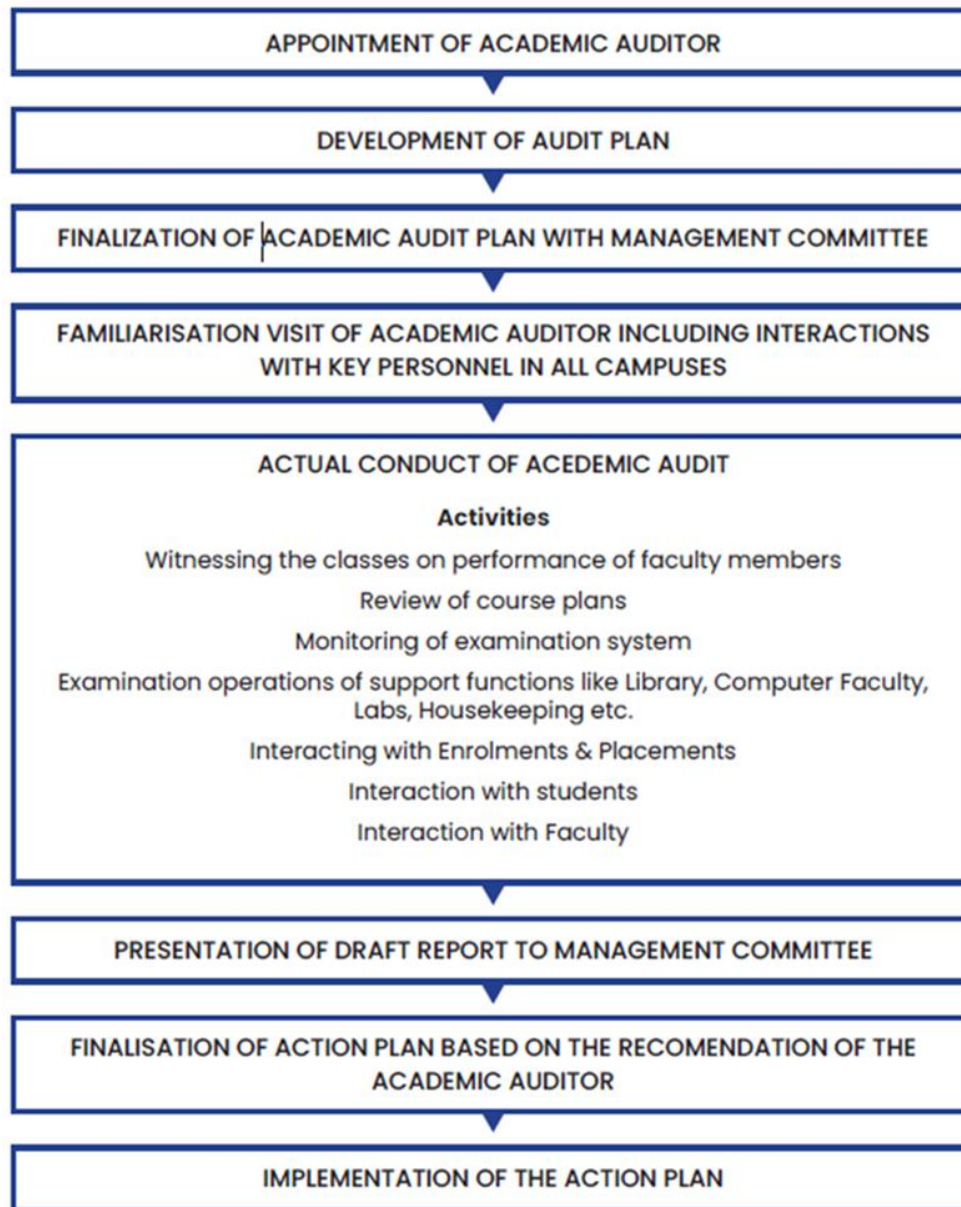
- **Faculty Performance:** Direct observation of teaching practices and faculty member effectiveness.
- **Curriculum Alignment:** Evaluation of course plans against learning objectives and industry demands.
- **Assessment Methods:** Scrutiny of continuous internal evaluation processes and the overall evaluation system.
- **Learning Support Systems:** Review of the effectiveness of resources like libraries, IT, labs, workshops, student support, and housekeeping.
- **Enrollment & Placement:** Assessment of efficiency in student enrollment and placement services.
- **Stakeholder Feedback:** Gathering diverse perspectives on the academic environment from students and faculty.

Action Plan for Improvement

Audit findings will be presented to the Academic Council, guiding the development of a comprehensive action plan. This plan will outline specific steps to address improvement areas and ensure continuous academic quality enhancement at ACE DTBU.

A Commitment to Transparency

A transparent audit process infographic attached below details each step and follow-up action. This commitment to transparency underscores ACE DTBU's dedication to continuous improvement and world-class education for all.



Academic Supervision

ACE DTBU convenes Boards of Studies and the Academic Council with eminent academics and industry leaders. These experts regularly review curriculum, pedagogy, and other areas to propose improvements and maintain program quality.

5.6 Faculty Recruitment Plan

Faculty Strength

ACE DTBU prioritizes a student-centric learning environment with a targeted faculty-to-student ratio of 1:20. The faculty composition will comprise a balanced mix of Professors (1), Associate Professors (2), and Assistant Professors (6). The recruitment plan, detailed in the tables below, outlines a phased approach, with ACE DTBU reaching a faculty strength of 378 by the end of Phase 1.

Faculty	Phase 1				
	Y1	Y2	Y3	Y4	Y5
Professor / Prof of Practice	25	28	32	36	42
Associate Prof. / Sr.	49	56	64	73	84
Assistant Professor (SG)	74	85	97	109	126
Assistant Professor / SS	73	85	97	109	126
Total faculty members	221	254	290	327	378

Faculty	Phase 2				
	Y6	Y7	Y8	Y9	Y10
Professor / Prof of Practice	45	45	46	46	46
Associate Prof. / Sr.	89	91	91	91	91
Assistant Professor (SG)	134	136	137	137	137
Assistant Professor / SS	134	136	137	137	137
Total faculty members	402	408	411	411	411

Faculty	Phase 3				
	Y11	Y12	Y13	Y14	Y15
Professor / Prof of Practice	46	46	46	46	46
Associate Prof. / Sr.	91	91	91	91	91
Assistant Professor (SG)	137	137	137	137	137
Assistant Professor / SS	137	137	137	137	137
Total faculty members	411	411	411	411	411

The faculty will continue to expand in Phases 2 and 3, reaching 411 members by the end of Phase 2 and Phase 3.

Pay Scale

ACE DTBU will adhere to the 7th pay scale for its teaching faculty and non-teaching staff. The university has proposed an average annual increment of 5% for faculty members, aligning with government inflation goals. The university will also comply with the recommendations of the 8th Pay Commission and relevant regulations upon their announcement by competent authorities.

Appointment/ Recruitment Policy

ACE Deemed-to-be University recognizes that exceptional faculty are the cornerstone of academic excellence. The university is dedicated to continuous improvement in this area, understanding that faculty are the most valuable asset. Their expertise in pedagogy, curriculum development, and academic delivery is central to the university's success. Strong faculty inspire student confidence and project ACE's commitment to excellence to stakeholders and industry partners alike.

ACE fosters a robust faculty environment. Its core strength lies in highly qualified, permanent faculty members. The university strategically complements this expertise by recruiting visiting faculty, renowned for their cutting-edge industry insights and practical experience. This dynamic model ensures students receive a well-rounded education, grounded in core principles while informed by the latest industry trends. Visiting faculty enriches the curriculum, keeping it contemporary and relevant.

This targeted recruitment strategy cultivates a vibrant academic community of scholars and industry leaders, dedicated to exceptional student experiences.

Recruitment of Faculty / Staff

ACE prioritizes a fair and open selection process for all positions, with a particular focus on faculty recruitment. Recognizing faculty as the cornerstone of academic excellence, the university conducts merit-based searches nationally and internationally to attract the most qualified individuals. This ensures ACE DTBU assembles an intellectual fountainhead, fostering a vibrant academic community for all.

The university will recruit its administrative and technical staff based on merit, with a strong focus on attracting highly skilled government employees. To ensure efficient operations and a modern work environment, essential functions like security, cleaning, landscaping, horticulture, electrical services, and other maintenance tasks will be outsourced to qualified vendors selected through a competitive bidding process. This approach will allow the university to streamline its staffing structure and focus its resources on core academic and research activities.

The selection process is outlined below:

- Appointments will be made through a rigorous merit-based selection process.
- Faculty and equivalent academic officer appointments will adhere to the eligibility criteria established by relevant regulatory bodies, including UGC/ AICTE/ MCI/ DCI/NCI.
- Faculty and staff selection will be conducted by designated Selection Committees in accordance with the established procedures outlined in the University Act, Statutes, and Rules.

Teaching Faculty

- The teaching Faculty of ACE DTBU will be of two types, namely:
 - Core faculty
 - Adjunct/Recognised faculty
- Core faculty of ACE DTBU shall either be:
 - Duly appointed faculty members such as Professors, Associate Professors, Assistant Professors, Lecturers or otherwise, or
 - Appointments of faculty such as Emeritus Professors, Distinguished Professors, and Honorary Professors, will be for a fixed term with the Chancellor's approval.

- ACE will appoint Adjunct Faculty on a fixed-term basis. These appointees will be distinguished professionals from other academic institutions/ oil companies/ industries, selected by the Chancellor.
- Appointments, excluding Adjunct Faculty positions, will be made only upon the recommendation of a designated Selection Committee established for this purpose.
- The qualifications and eligibility requirements for faculty positions at ACE DTBU will be clearly outlined in the rules.

Selection Committees

The University will establish Selection Committees to recommend qualified candidates for appointment to faculty positions (Professor, Associate Professor, Assistant Professor, Lecturer) administrative roles (Registrar, Finance Officer, Librarian), and other officer positions.

Each Selection Committee will be chaired by the Vice-Chancellor and will include additional members as outlined in the University Statutes (details provided in the following table).

- The Selection Committee's recommendations will adhere to the current eligibility criteria for teaching and equivalent academic positions as set forth by the relevant regulatory body (University Grants Commission, Medical Council of India, All India Council for Technical Education, Nursing Council of India, etc.).
- Final appointment decisions will be made by the Board of Management based on the recommendations of the Selection Committee
- In the event the Board of Management disagrees with a recommendation from the Selection Committee, the Board may return the recommendation for further consideration. If the disagreement persists, the Board will document its rationale and elevate the matter to the Chancellor for final resolution.
- ACE DTBU will typically fill vacant positions through open advertisement. However, the Board of Management may delegate authority to the Vice-Chancellor to fill specific roles by invitation, contractual appointment, or internal promotion from existing staff.

Post	Composition of the Selection Committee
Professor/ Associate Professor	<ol style="list-style-type: none"> 1. Vice- Chancellor - Chairperson 2. Pro-Vice-Chancellor 3. Head of the concerned Faculty/ School/ Department 4. Two members, who are not otherwise employees of the University, are to be nominated by the Board of Management out of a panel of names recommended by the Academic Council for their Special knowledge of or interest in the concerned subject.
Assistant Professor	<ol style="list-style-type: none"> 1. Vice-Chancellor - Chairperson 2. Pro-Vice-Chancellor 3. The Head of the concerned Faculty/ School/ Department 4. Two persons, who are not employees of ACE DTBU, were nominated by the Board of Management, out of a panel of names recommended by the Academic Council for their special knowledge of or interest in the subject of the Assistant Professor or Lecturer.
Registrar/ Finance Officer/ Controller of Exams	<ol style="list-style-type: none"> 1. Vice-Chancellor - Chairperson 2. Pro-Vice-Chancellor 3. Three members are to be nominated by the Board of Management.
Librarian/ Deputy/ Asst. Librarian	<ol style="list-style-type: none"> 1. Vice-Chancellor - Chairperson 2. Pro-Vice-Chancellor 3. Two members were nominated by the Board of Management.
Joint/ Deputy/ Asst. Registrar, & equivalent positions	<ol style="list-style-type: none"> 1. Vice-Chancellor - Chairperson 2. Pro-Vice-Chancellor or the Registrar 3. Two senior employees of ACE DTBU are to be nominated by the Board of Management.

Conditions of Service of Faculty, Equivalent Officers & Other Employees

- All faculty, salaried officers, and other employees identified in the University Statutes will be appointed under a formal written contract. This contract will outline mutually agreed-upon terms and conditions of employment. Each employee will receive a copy of their contract for their reference.
- In the event of a contractual dispute between ACE DTBU and an employee, either party may request a committee to resolve the issue. This committee will comprise one Board of Management nominee, a senior staff member, and an arbitrator appointed by the Chancellor. The committee's decision will be final and binding.

Student-faculty ratio and Teaching and Non-teaching Staff Ratio

ACE DTBU, as a modern and highly automated institution of higher education, will endeavor to maintain a student-to-faculty ratio of 20:1 for undergraduate and postgraduate programs. This will be complemented by an 80:20 ratio of teaching faculty to non-teaching staff to ensure an optimal balance between instruction and support services.

5.7 Student Admission Plan

Eligibility

Undergraduate Programs

- For 3/4-year undergraduate programs: 10 + 2 (Higher Secondary) from CBSC/IB/ICSE or any other recognized Board

Postgraduate Programs:

- Bachelor's degree or NSQF Level 7/8

Integrated Doctoral Program:

- Bachelor's degree

Ph.D. Doctoral Program:

- 4-year undergraduate degree with research
- Postgraduate in relevant field

Application Form

- Candidates will be required to fill out the online application form available on the official website.
- The form will require personal details, educational qualifications, contact information, and other relevant information.

Admission Process

The admission process shall be a combination of entrance exam, interview, and portfolio review; and shall vary according to the programme of study.

For UG Programmes

Undergraduate Technology Aptitude Test: Applicants will undergo a written assessment to evaluate their language proficiency, logical reasoning, quantitative skills, and, for relevant programs, knowledge in the PCM domain. This assessment is in the form of a multiple-choice exam, or the university may accept scores from the JEE Mains exam administered by the National Testing Agency.

For PG Programmes

Postgraduate Technology Aptitude Test: The assessment will evaluate applicants' language proficiency, logical reasoning, quantitative skills, and domain-specific engineering knowledge. It may be a university-designed multiple-choice exam focusing on these areas or the university may accept scores from the Graduate Aptitude Test in Engineering (GATE) administered by the Indian Institutes of Technology (IITs).

Personal Interview: (Both for UG and PG)

- Candidates who meet the initial selection criteria will be invited for a personal interview in the final stage of the admissions process.
- The personal interview will serve as an opportunity for the admissions committee to evaluate a candidate's suitability for the chosen design program. This evaluation will encompass the candidate's passion for design, creative thinking, communication skills, and overall fit with the program.

Admission Decision

- Admission decisions will be made based on a comprehensive evaluation of the candidate's performance in the entrance exam (or portfolio review), personal interview, and any other relevant criteria.
- Applicants offered admission will receive notification along with instructions to complete the necessary enrollment formalities, including fee payment, to secure their place in the program.
- By the National Education Policy's (NEP) Multiple Entry and Exit System (MEES) provisions, the university will also facilitate lateral entry for both undergraduate and postgraduate programs.

Projected intakes of students

In the first year, ACE DTBU plans to enroll approximately 1000 students across the following five faculties:

- Faculty of Skill Development
- Faculty of Sciences
- Faculty of Engineering & Computer Sciences
- Faculty of Traditional Indian Knowledge
- Faculty of Business

By the end of phase 1, the university will enroll approx. 2,400 new students across all five faculties. Enrollment will rise to 2500 new students by the end of phase 2.

The following tables provide a comprehensive overview of the enrollment plan and projected student growth for ACE Deemed-to-be University.

Projected Student Intake:

Faculty	Student Intake														
	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15
Faculty of Skill Development	20	50	125	240	240	240	240	240	240	240	240	240	240	240	240
Faculty of Sciences	30	81	177	272	287	287	287	287	287	287	287	287	287	287	287
Faculty of Engineering & Computer Sciences	954	1,394	1,496	1,512	1,520	1,520	1,520	1,520	1,520	1,520	1,520	1,520	1,520	1,520	1,520
Faculty of Traditional Indian Knowledge	20	56	76	81	82	112	112	112	112	112	112	112	112	112	112
Faculty of Business	40	121	192	258	324	324	324	324	324	324	324	324	324	324	324
Total	1,064	1,702	2,066	2,363	2,453	2,483	2,483	2,483	2,483	2,483	2,483	2,483	2,483	2,483	2,483







Projected Total Enrollment:

Faculty	Total Enrollment														
	Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8	Y9	Y10	Y11	Y12	Y13	Y14	Y15
Faculty of Skill Development	20	68	188	401	575	680	680	680	680	680	680	680	680	680	680
Faculty of Sciences	30	109	278	519	708	813	855	855	855	855	855	855	855	855	855
Faculty of Engineering & Computer Sciences	954	2,297	3,675	4,985	5,433	5,511	5,519	5,519	5,519	5,519	5,519	5,519	5,519	5,519	5,519
Faculty of Traditional Indian Knowledge	20	65	122	175	213	259	290	320	320	320	320	320	320	320	320
Faculty of Business	40	159	324	485	658	786	840	854	854	854	854	854	854	854	854
Subtotal	1,064	2,698	4,587	6,565	7,587	8,049	8,184	8,228	8,228	8,228	8,228	8,228	8,228	8,228	8,228
<i>Add: Existing students</i>	<i>3,351</i>	<i>2,389</i>	<i>1,219</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Enrollment	4,415	5,087	5,806	6,565	7,587	8,049	8,184	8,228	8,228	8,228	8,228	8,228	8,228	8,228	8,228

5.8 Research Plan

ACE is dedicated to cultivating a vibrant research environment. The university schools will house specialized research centres actively engaged in exploring, uncovering, and understanding critical aspects of core industry sectors. ACE DTBU aspires to conduct a comprehensive research and development (R&D) program encompassing fundamental and theoretical studies, industry-driven research, and practical applications tailored to the needs of the sectors we support.

The university will establish dedicated Research and Development (R&D) Centres to:

-  **Pioneering Knowledge Creation and Dissemination:** R&D Centres will spearhead research initiatives that push the frontiers of knowledge and understanding in critical advanced technology sectors. This includes not only publishing groundbreaking discoveries but also actively disseminating this knowledge through workshops, conferences, and open-source platforms.
-  **Sustainable Solutions for Telangana:** The R&D Centres will be instrumental in driving sustainable development within Telangana. This will be achieved by undertaking applied research and development activities that address key regional challenges in areas like clean energy, water management, and infrastructure development.
-  **Industry Collaboration and Outreach:** ACE recognizes the importance of fostering strong industry partnerships. R&D Centres will offer valuable consultancy services to businesses, helping them translate cutting-edge research into practical applications. Additionally, outreach programs will be established to connect researchers with industry professionals and policymakers, fostering knowledge exchange and collaboration.
-  **Attract and nurture top research talent:** By offering competitive compensation packages and fostering a stimulating research environment, ACE will attract and retain leading researchers in their respective fields.
-  **Secure research funding:** The R&D Centres will actively pursue grants and partnerships with government agencies, private foundations, and industry leaders to support ongoing research initiatives.
-  **Promote innovation and entrepreneurship:** The R&D Centres will serve as incubators for innovative ideas, providing mentorship and resources to support the development of groundbreaking new technologies and ventures.

By fostering a vibrant research culture, ACE aspires to develop innovative solutions that contribute to a better tomorrow.

Centres of Excellence at ACE DTBU

To achieve this ambitious goal, ACE will establish a network of dedicated Research and Development (R&D) Centres. These centres will focus on strategic research areas, leveraging the interdisciplinary expertise, knowledge base, and skillsets of the university's esteemed faculty. By fostering collaboration across disciplines, these R&D Centres will become hubs for innovation, tackling complex challenges and generating groundbreaking solutions.

1. Centre of Excellence in Advanced Manufacturing and Industrial Automation
2. Centre of Excellence in Sustainability and Climate Change
3. Centre of Excellence in Artificial Intelligence
4. Centre of Excellence in Traditional Performing Arts
5. Centre of Excellence in Yoga and Vedic Studies
6. Centre of Excellence in Entrepreneurship and Innovation

Research & Development Funding

ACE is committed to sustainable research funding. The university will dedicate 1% of the revenue to support innovation initiatives and allocate 2% of revenue for seed funding to kickstart promising research endeavors. Additionally, the university faculty will be actively encouraged to pursue external research grants from government agencies and other funding sources. ACE DTBU has projected a conservative external funding target of Rs. 60 lakhs in year 1, with a strategic plan to increase this to Rs. 1.75 crores by the end of phase 1, Rs. 2 crores by phase 2. This progressive approach ensures a robust funding stream for our research activities.

	Phase 1 (INR Lakh)				
	Y1	Y2	Y3	Y4	Y5
Research and Development Funding					
1% of Revenue earmarked for Innovation	56	74	96	120	141
2% of Revenue earmarked for Seed Funding	111	149	191	240	282
External Funded Projects	60	88	100	135	175
Total Funds for R&D (INR Lakhs)	227	311	387	495	598

	Phase 2 (INR Lakh)				
	Y6	Y7	Y8	Y9	Y10
Research and Development Funding					
1% of Revenue earmarked for Innovation	153	163	171	179	188
2% of Revenue earmarked for Seed Funding	307	325	342	359	377
External Funded Projects	200	200	200	200	200
Total Funds for R&D (INR Lakhs)	660	688	713	738	765

	Phase 3 (INR Lakh)				
	Y11	Y12	Y13	Y14	Y15
Research and Development Funding					
1% of Revenue earmarked for Innovation	198	207	218	228	240
2% of Revenue earmarked for Seed Funding	395	415	435	457	480
External Funded Projects	200	200	200	200	200
Total Funds for R&D (INR Lakhs)	793	822	853	885	920

A Roadmap to Research Excellence

ACE DTBU understands that research drives institutional advancement, societal progress, and industry problem-solving. It is also fundamental to cultivating a skilled workforce. It is dedicated to achieving research excellence through well-defined objectives and a comprehensive strategic plan.

Objectives of Research at ACE DTBU

- 01 Enhancing Pedagogy and Student Engagement:** Integrate faculty research expertise into the curriculum, fostering a richer learning environment that promotes experiential learning and critical thinking skills for students.
- 02 Cultivating a Dynamic Research Culture:** Nurture a vibrant research environment that transcends rote learning and ignites intellectual curiosity. This will not only enhance the overall institutional culture but also contribute to improved university rankings.
- 03 Recruiting and Retaining Leading Scholars:** A robust research infrastructure and a culture of innovation will attract high-caliber faculty and meritorious students, strengthening the academic community and fostering a collaborative research ecosystem.
- 04 Investing in Cutting-Edge Research Infrastructure:** Allocate resources to develop state-of-the-art laboratories and procure advanced equipment, empowering faculty and students to conduct groundbreaking research.
- 05 Securing Sustainable Research Funding:** Proactively pursue research funding opportunities from diverse sources, including industry partnerships, government grants, and private foundations, to ensure the long-term financial sustainability of research initiatives.
- 06 Fostering Cross-Disciplinary and Collaboration:** Establish strategic partnerships with local, regional, and international stakeholders to leverage diverse expertise, enhance research impact, and achieve a competitive advantage.

Blueprint for Achieving Research Excellence

ACE prioritizes original research, fostering collaboration across disciplines to tackle complex challenges. By investing in cutting-edge technology and building strong research networks, we aim to become a leader in pioneering research, shaping the future through groundbreaking discoveries.

Fostering a Thriving Research Culture:

ACE prioritizes nurturing a vibrant research ecosystem. It will achieve this through:

- **Talent Acquisition & Retention:** ACE will actively recruit and retain high-caliber researchers through competitive compensation and recognition programs.
- **Supportive Research Environment:** It will foster an open, collaborative, and decentralized research culture that optimizes faculty performance.
- **Work-Life Balance:** Recognizing research and teaching demands, will dedicate time to faculty research pursuits.
- **Student Engagement:** It will empower students to contribute meaningfully to research through dedicated programs.

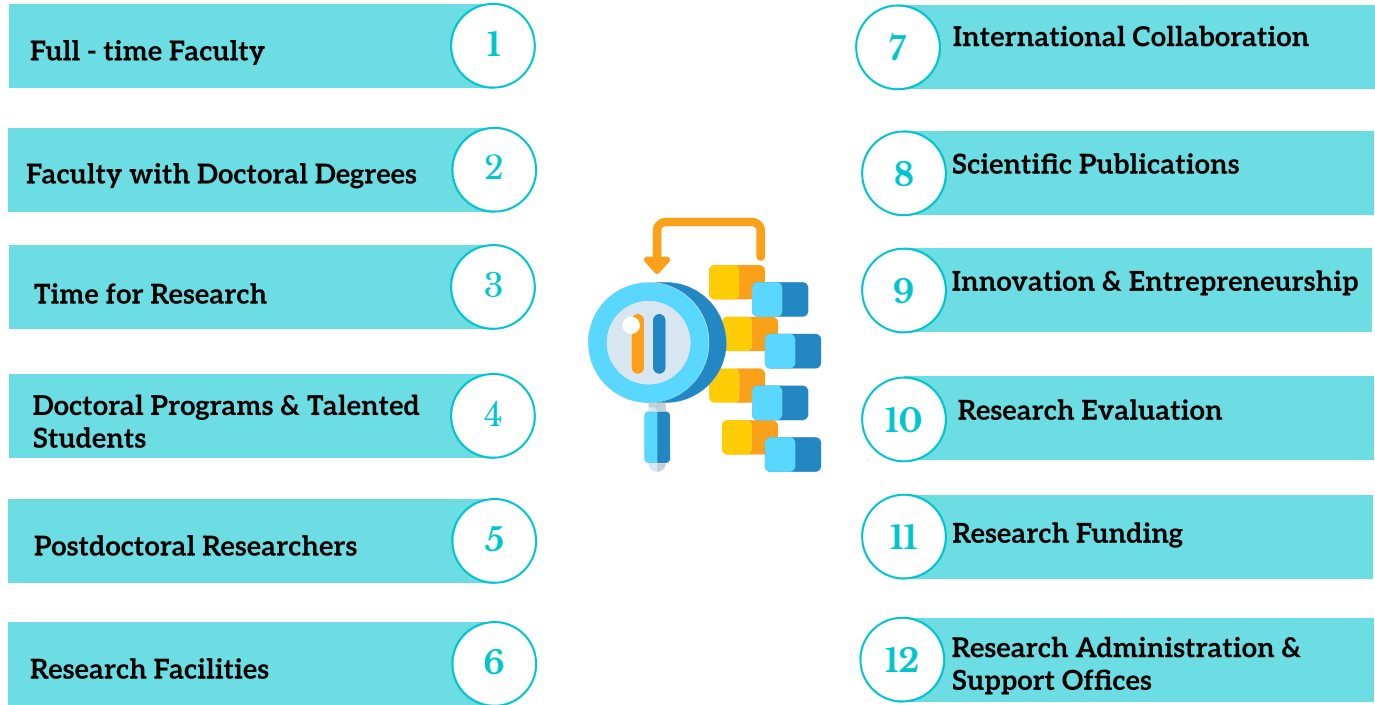
Nurturing a Culture of Innovation:

ACE will actively incentivize research excellence through a multifaceted approach:

- **Performance-Based Recognition:** High-quality publications and impactful innovations measured by patents are recognized through financial rewards and promotion considerations.
- **Dedicated Research Support:** High-performing researchers are granted access to additional funding and resources to fuel their research endeavors.
- **Commercialization Opportunities:** Faculty and researchers share in the success of their work through royalty-sharing arrangements from commercially viable research outputs.

These comprehensive strategies create an environment that fosters innovation, attracts top talent, and positions ACE DTBU as a leader in shaping the future through groundbreaking discoveries and knowledge creation.

1 Establishing and Enhancing the Research Ecosystem



The primary stakeholders of a university's research ecosystem include its faculty, doctoral students, research associates, and postgraduate students



ACE DTBU will take comprehensive measures to cultivate a dynamic research ecosystem. To support this process-centric environment, the university will ensure seamless coordination through the following initiatives:



2 A Comprehensive Research Funding Plan

ACE DTBU recognizes the importance of a robust and diversified funding ecosystem to support ongoing research activities. It will pursue a multi-pronged approach to achieve this:

ACE actively seeks patents and publications for research outputs, creating valuable intellectual property (IP). It will then explore opportunities to commercialize this IP in collaboration with industry partners. This strategy not only secures financial returns but also accelerates the practical application of research findings.

Navigating the complex landscape of research funding can be time-consuming. The university dedicated Research Support Centre will empower faculty and researchers by:

- Providing comprehensive information about various funding schemes offered by government agencies (MHRD, DST, CSIR, DBT, BIRAC, etc.), universities with established research programs, and international organizations (ADB, UNDP, World Bank, etc.).
- Facilitating connections with potential funding partners.
- It will foster partnerships with industry leaders, enabling researchers to engage in collaborative projects and consulting opportunities that generate additional funding.
- ACE DTBU values the contributions of its alumni network. It aims to leverage this network by exploring avenues for research funding support from alumni.

3 Enhancing Research Through Collaboration

ACE DTBU fosters a collaborative research environment that transcends institutional boundaries. It believes in harnessing the collective knowledge and expertise of diverse research communities to advance knowledge and achieve significant research impact. The university will encourage and facilitate collaboration through the following channels:

- **International Networking:** ACE actively seeks opportunities for international research collaboration.

This fosters the exchange of ideas, facilitates access to specialized resources, and expands the global reach of the research endeavors.

- **Institution-to-Institution Collaboration:** ACE actively pursues collaboration with other institutions on a broader level. These partnerships allow the university to combine forces on research projects that align with shared interests and collective strengths.
- **Researcher-to-Researcher Collaboration:** ACE encourages and supports the researchers in establishing collaborative relationships with individual researchers from other institutions or disciplines. This fosters cross-pollination of ideas and opens doors to innovative research approaches.

ACE prioritizes building a network of research partners. This collaboration stimulates faculty and broadens the research scope, potentially leading to breakthroughs and increased visibility. Partnering with esteemed institutions strengthens the university's reputation. To ensure successful collaborations, it strategically identifies partners whose interests align with the university. ACE analyzes co-authorship patterns, map citation networks, and examines funding acknowledgments to find the best collaborators. This approach fosters a dynamic research environment that fuels innovation and elevates ACE DTBU's standing.

4 Central Research Administration

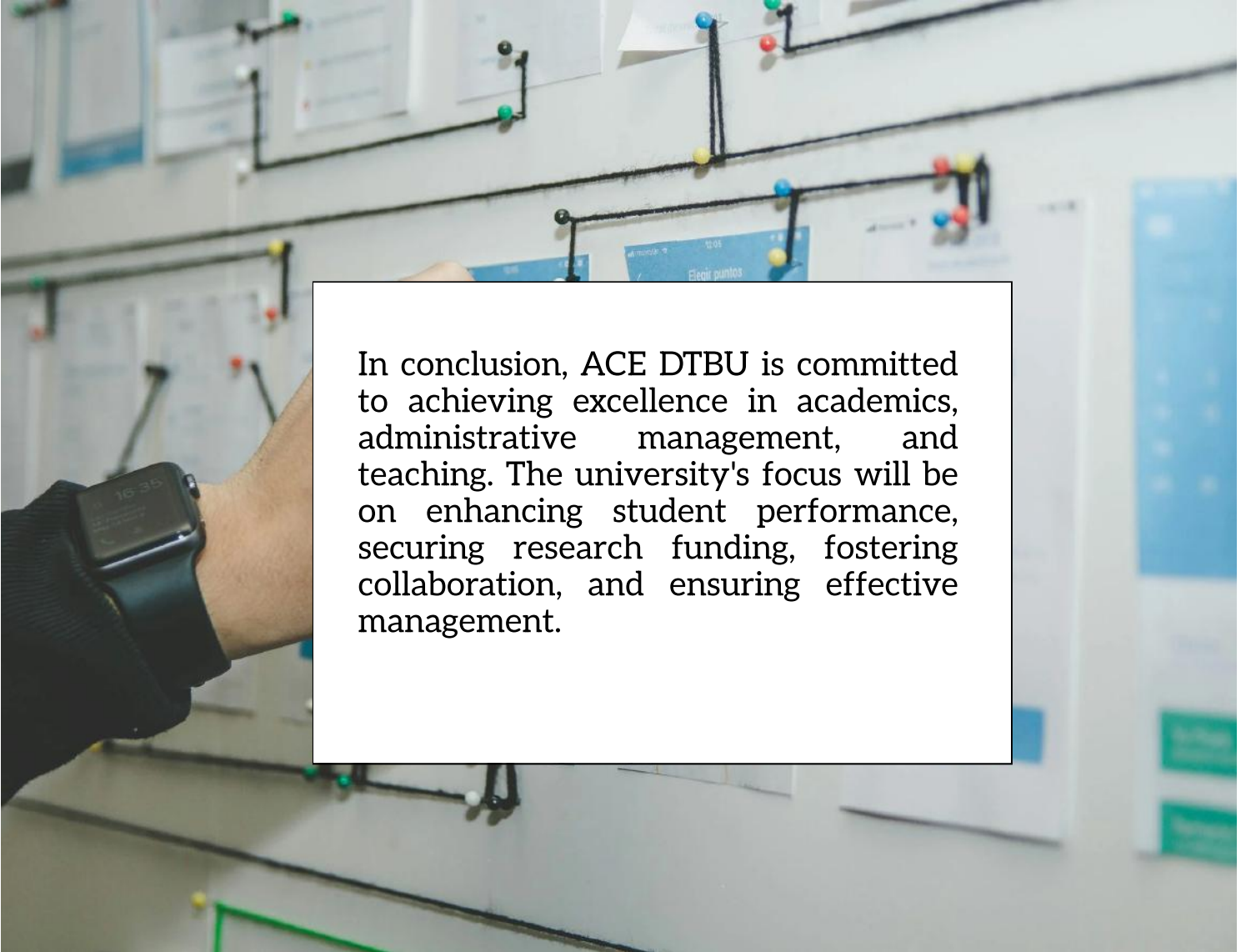
A central research administration will be established, led by the Director of Research, to whom all Department Research Deans will report. The Director of Research will formulate research policies and broad guidelines and oversee the appointment of Department Research Deans. These Deans will be responsible for managing day-to-day research activities and outputs. Additionally, a Research Support Centre will be created under the Director's leadership to facilitate research endeavors.

5 Research Support Centre

To enhance research productivity, ACE DTBU will establish a Research Support Centre. This centre will coordinate efforts between funding agencies, various departments, research centres, and Centres of Excellence (CoEs) to ensure high-quality research output. It will also focus on leveraging new knowledge and technology to improve the teaching-learning process.

6 Research Support for Students:

Qualified individual students and student research groups will be provided with the necessary seed funding to support their research endeavors.



In conclusion, ACE DTBU is committed to achieving excellence in academics, administrative management, and teaching. The university's focus will be on enhancing student performance, securing research funding, fostering collaboration, and ensuring effective management.

5.9

Campus Information and Communication Technology Plan

ACE Deemed-to-be University (ACE DTBU) acknowledges the transformative impact of information and communication technology (ICT) in education and research. This 15-year plan presents a strategic roadmap aimed at leveraging advanced ICT solutions to cultivate a dynamic, technology-driven learning environment that empowers students, faculty, and staff.

- Lead- time to Productivity
- Diverse Skillsets
- Small in a Global Market
- Culture & Reputation
- Competitive Landscape

- Integrated Standardisation
- Advise & Enable
- Centralisation
- Cost Reduction
- Flexible
- Secure
- Efficient
- Resilient
- Rapid



- Mobility
- CloudaaS
- Personalisation
- Demand
- Automation
- Cyberthreats
- Consumer IT
- Legacy

- Consistency
- Data-Driven Decision Making
- Customer Focus
- Risk Management
- Digital Campus
- Process Maturity
- Reputation
- Innovation

Phase 1: Building a Strong Foundation (Years 1-5)

Infrastructure Development:

- **Building a Connected Future:** ACE will prioritize the development of a high-speed, reliable, and secure fiber-optic network infrastructure. This investment will provide seamless and ubiquitous internet connectivity across all academic buildings, residential areas, and administrative offices. This robust foundation fosters collaboration facilitates research and learning and empowers the community to thrive in the digital age.
- **Ubiquitous Wi-Fi Access:** Recognizing technology's transformative power in education, ACE prioritizes a robust digital infrastructure, a comprehensive Wi-Fi network ("Empowering Learning Through Connectivity") that empowers students and faculty with anytime, anywhere access to resources, fostering a dynamic and collaborative learning environment.
- **Leveraging the Cloud for Efficiency:** ACE prioritizes cloud migration for data storage, management systems, and administrative applications. This fosters scalability, strengthens disaster recovery, and empowers remote access, resulting in a more efficient and flexible administrative landscape.

Empowering Learners in the Digital Age:

- **Bridging the Digital Divide:** ACE will recognize that access to technology is fundamental for success in the digital age. It will implement a program to provide students with essential devices like laptops or tablets. Financial aid mechanisms and partnerships will be explored to ensure equitable access for all. Additionally, a robust IT support service desk will address technical issues promptly, minimizing disruptions to learning.
- **Digital Fluency for All:** ACE believes digital literacy is a vital skill for all members of our community. Mandatory training programs will equip students, faculty, and staff with the necessary skills to navigate the digital landscape effectively. These programs will focus on utilizing technology for learning, research, and resource utilization, empowering them to become active and informed participants in the digital world.

Cultivating Dynamic Learning Spaces:

ACE DTBU is committed to creating engaging and interactive learning environments. This two-pronged approach fosters a more dynamic learning experience:

- **Smart Classrooms:** Traditional classrooms will be transformed into smart learning spaces equipped with interactive whiteboards, multimedia projectors, and collaborative learning technologies. This shift fosters active participation and knowledge construction by facilitating real-time engagement and promoting a more interactive learning experience.
- **Centralized Learning Management System (LMS):** We will implement a user-friendly LMS to serve as a central hub for all course-related activities. This platform will streamline course management for faculty, allowing for the efficient distribution of learning materials, communication with students, and fostering asynchronous

Phase 2: Embracing Innovation and Integration (Years 6-10)

Embracing Immersive Learning Experiences:

Recognizing the transformative power of technology, ACE DTBU actively integrates emerging trends like Virtual Reality (VR) and Augmented Reality (AR) into the curriculum. VR simulations will create immersive experiences, transporting students to diverse environments and fostering deeper understanding. AR technology will layer digital information onto the real world, offering contextualized learning and enhancing problem-solving skills. This commitment to embracing cutting-edge technologies propels the university towards a future-oriented and engaging learning experience for all students.

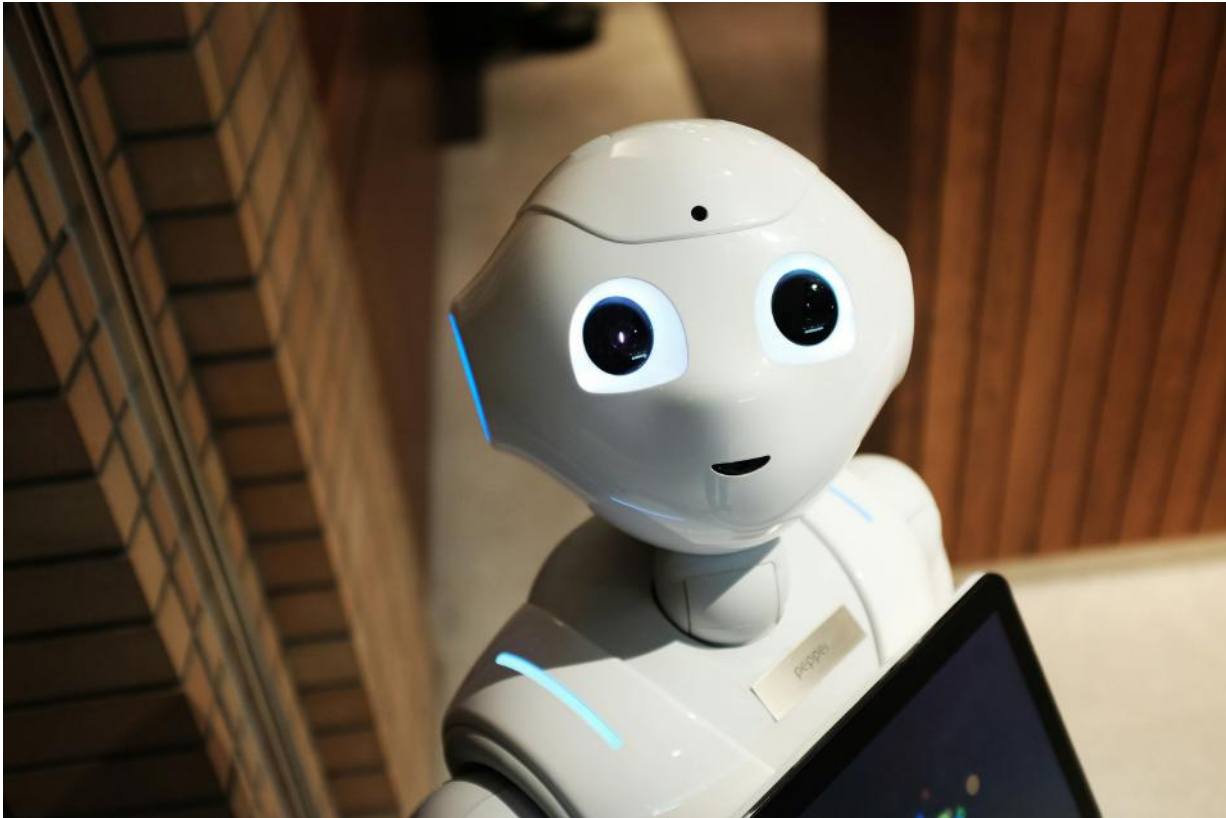
Empowering Learning Through AI:

ACE acknowledges the transformative potential of Artificial Intelligence (AI) and will actively explore its applications to create a dynamic learning environment. AI will play a multifaceted role: facilitating personalized learning journeys through AI-powered tutoring systems that offer customized feedback and targeted learning materials; streamlining faculty support by automating administrative tasks, thereby freeing up valuable time for mentorship and research; and enhancing student support with 24/7 AI-powered assistance to efficiently address student needs and concerns.

This strategic integration of AI emphasizes both student success through personalized learning and faculty engagement through research and mentorship, fostering a future-oriented learning experience for all.

Prioritizing Cybersecurity in the Digital Age:

Recognizing the ever-growing reliance on technology, ACE prioritizes a robust cybersecurity strategy to safeguard our digital infrastructure and sensitive data. This multi-pronged approach includes implementing comprehensive data security protocols that ensure confidentiality, integrity, and availability. Regular user awareness training programs empower our community to identify and mitigate cyber threats. Furthermore, continuous investment in cutting-edge security software ensures the university's digital assets remain protected against evolving threats. By prioritizing cybersecurity, ACE fosters a safe and secure learning environment where the entire community can thrive in the digital age.





Phase 3: Leading the Way in Technology-Driven Education (Years 11-15)

Fostering a Globally Connected Learning Environment:

ACE will dismantle geographical barriers and cultivate a vibrant, globally connected learning environment through advanced telepresence and video conferencing technologies. These technologies bridge physical distance, fostering seamless interaction with the world's best minds. Eminent scholars and researchers can deliver guest lectures, enriching student learning with diverse perspectives. Furthermore, faculty can collaborate with international colleagues on joint projects, pushing the boundaries of knowledge. Students and faculty also gain access to a wider range of educational and research opportunities by participating in virtual conferences and seminars, fostering a truly globalized learning experience.

Continuous Innovation and Research:

ACE will spearhead innovation in education through a dedicated research unit focused on the pedagogical potential of emerging technologies. This forward-thinking unit explores and pilots cutting-edge tools like Mixed Reality (MR) to enhance learning outcomes. MR seamlessly integrates real and virtual elements, creating immersive experiences that blur the lines between physical and digital spaces. Furthermore, the unit investigates the potential of blockchain technology to ensure secure and transparent record-keeping of academic credentials and intellectual property. By continuously exploring these innovative technologies, ACE will remain at the forefront of education, empowering faculty to deliver dynamic learning experiences and preparing students for success in the ever-evolving educational landscape.

Smart and Sustainable Learning Environment:

Leveraging the Internet of Things (IoT), ACE will build a dynamic and resource-efficient learning environment. Sensor-integrated classrooms, laboratories, and common areas will optimize resource utilization by intelligently controlling lighting and temperature, minimizing energy waste. Occupancy tracking facilitated by these IoT systems will improve space management, ensuring efficient scheduling and maximizing campus space utilization. Data-driven insights from the network will further streamline operations, enabling efficient maintenance schedules and optimized resource allocation.

Cultivating a Dynamic, Technology-Rich Learning Environment:

ACE recognizes the transformative power of technology in education. To fully leverage this potential, the university will be committed to fostering a culture of technology integration throughout this 15-year plan. This multi-pronged approach will empower the entire learning community:

- **Faculty Development:** It will provide ongoing professional development opportunities to equip faculty with the necessary skills to utilize technology effectively within their teaching methodologies. This will enhance the learning experience for students and foster a more engaging academic environment.
- **Dedicated Student Support:** A dedicated IT helpdesk will address student technical issues promptly, ensuring a smooth learning journey. Ongoing technical support services will also be readily available to address evolving needs.
- **Collaborative Innovation:** To foster continuous improvement, it will encourage collaboration between faculty, IT staff, and educational technology specialists. This synergy will drive innovation in the use of technology for teaching, learning, and research at ACE DTBU.

By implementing this comprehensive Information and Communication Technology (ICT) plan, the university underscores its commitment to creating a dynamic and technology-rich learning environment. This environment empowers students, faculty, and staff to thrive in the digital age. Ultimately, ACE aims to leverage ICT to foster academic excellence, innovation, and a globally connected learning experience for generations to come.

5.10 Infrastructure Development Plan

ACE DTBU recognizes the critical role of infrastructure in fostering the growth and sustainability of the university. In line with the evolving academic offerings and expansion plans, it has established a comprehensive infrastructure development strategy. This strategic plan outlines the key elements required to support ACE Deemed-to-be University's mission of delivering high-quality education, research, and community engagement.

Academic Infrastructure Plan

(in sqft)

Academic Infrastructure	Phase 1				
	Y1	Y2	Y3	Y4	Y5
Total Enrolled Students	4,415	5,087	5,806	6,565	7,587
BuA required @ 80.73 sqft per student (Built-up-Area)	3,56,432	4,10,684	4,68,730	5,30,005	6,12,513
Min 5,000 sqmt BuA required to start operations	53,821				
Existing BuA available	3,60,500	3,60,500	3,60,500	3,60,500	3,60,500
New BuA (to be built in previous year)	-	60,000	50,000	70,000	80,000
New BuA (sqft cumulative)	-	60,000	1,10,000	1,80,000	2,60,000
Total BuA available (in sqft)	3,60,500	4,20,500	4,70,500	5,40,500	6,20,500

ACE DTBU has developed a year-on-year construction plan to accommodate the increasing student population. Currently, the campus boasts 3,60,500 square feet of built-up area. By the end of Phase 1, this will expand to approx. 6,20,000 square feet of academic space.

(in sqft)

Academic Infrastructure	Phase 2				
	Y6	Y7	Y8	Y9	Y10
Total Enrolled Students	8,049	8,184	8,228	8,228	8,228
BuA required @ 80.73 sqft per student (Built-up-Area)	6,49,812	6,60,710	6,64,263	6,64,263	6,64,263
Min 5,000 sqmt BuA required to start operations					
Existing BuA available	3,60,500	3,60,500	3,60,500	3,60,500	3,60,500
New BuA (to be built in previous year)	40,000	10,000	-	-	-
New BuA (sqft cumulative)	3,00,000	3,10,000	3,10,000	3,10,000	3,10,000
Total BuA available (in sqft)	6,60,500	6,70,500	6,70,500	6,70,500	6,70,500

Upon the completion of Phase 2, ACE will have approx. 6,70,000 square feet of academic built-up area and will be sufficient to accommodate the growth anticipated in Phase 3.

(in sqft)

Academic Infrastructure	Phase 3				
	Y11	Y12	Y13	Y14	Y15
Total Enrolled Students	8,228	8,228	8,228	8,228	8,228
BuA required @ 80.73 sqft per student (Built-up-Area)	6,64,263	6,64,263	6,64,263	6,64,263	6,64,263
Min 5,000 sqmt BuA required to start operations					
Existing BuA available	3,60,500	3,60,500	3,60,500	3,60,500	3,60,500
New BuA (to be built in previous year)	-	-	-	-	-
New BuA (sqft cumulative)	3,10,000	3,10,000	3,10,000	3,10,000	3,10,000
Total BuA available (in sqft)	6,70,500	6,70,500	6,70,500	6,70,500	6,70,500

Hostel Infrastructure Plan

ACE DTBU plans to invest in hostel infrastructure to accommodate at least 25% of its student population. The university will incrementally add hostel beds to meet the growing demand on campus. Currently, the institution already has capacity to accommodate 550 students in hostel. From 2nd year onwards the institution will start building more hostels and by the end of Phase 1, it will have a total of 1,897 hostel beds on campus.

Hostel Infrastructure	Phase 1				
	Y1	Y2	Y3	Y4	Y5
Number of Beds Needed	552	552	871	1,313	1,897
New Built-up Area Required	-	-	61,000	61,000	61,000
Cumulative	-	-	61,000	1,22,000	1,83,000

The institute will continue to invest in hostel infrastructure during Phase 2 and 3 to meet the growing demand on campus. By the end of Phase 2, it will have a total of 2,100 (approx.) hostel beds available.

Hostel Infrastructure	Phase 2				
	Y6	Y7	Y8	Y9	Y10
Number of Beds Needed	2,012	2,046	2,057	2,057	2,057
New Built-up Area Required	20,400	-	20,400	-	-
Cumulative	2,03,400	2,03,400	2,23,800	2,23,800	2,23,800

5.11 Finance plan

ACE Deemed-to-be University prioritizes responsible financial management. To secure long-term financial health and support its core mission, the university has developed a comprehensive 15-year financial plan. This strategic roadmap outlines optimized resource allocation to fuel its commitment to exceptional education, groundbreaking research, and thriving community engagement.

Guiding Principles for Financial Success

Our comprehensive financial plan outlines a multi-pronged approach to ensure responsible fiscal management.

- **Strategic Budgeting:** The plan prioritizes meticulous financial planning through detailed budgets. These budgets will comprehensively project both income and expenses across various categories. Revenue streams, including tuition fees, student housing income, and research grants, will be meticulously forecasted alongside anticipated expenditures for faculty, staff, facilities, academic programs, research initiatives, student support services, and other essential areas. This comprehensive approach ensures responsible resource allocation and long-term financial stability.
- **Aligned Financial Objectives:** The plan establishes clear and measurable financial objectives that directly support ACE DTBU's strategic mission. These objectives may encompass targets for enrolment growth, securing research funding, or achieving endowment growth, ensuring financial success aligns with the broader institutional goals.
- **Maximizing Resource Impact:** The plan emphasizes optimizing resource allocation to ensure the maximum impact of the university's financial investments. This involves identifying opportunities for cost-efficiency improvements, such as strategically evaluating staffing models, implementing energy-saving initiatives, and streamlining administrative processes. These measures will allow ACE to achieve its strategic goals while fostering responsible financial stewardship.
- **Future-Oriented Infrastructure Development:** Recognizing the importance of a dynamic learning environment, the university's financial plan incorporates a comprehensive capital expenditure strategy. This strategy prioritizes the ongoing development, renovation, and maintenance of campus facilities. To ensure long-term sustainability, the plan identifies various funding mechanisms for capital projects, including strategic use of long-term loans and potential contributions from its sponsoring body.

- **Securing Financial Resilience:** ACE's financial plan prioritizes the long-term financial health of the university. This focus on sustainability ensures the university has the resources necessary to fulfill its mission and adapt to a changing environment.
- **Agile Financial Management:** Recognizing the potential for shifts in financial landscapes, ACE emphasizes the importance of flexibility. The financial plan will undergo regular monitoring and review to facilitate ongoing assessment. This approach allows the university to measure progress, make necessary adjustments, and ensure its financial strategy remains aligned with evolving priorities and external factors.

ACE DTBU's financial plan is a foundational document guiding responsible financial decision-making, resource allocation, and fiscal responsibility. By emphasizing these principles, we aim to:

- **Align with Core Values:** The university's financial strategies are meticulously crafted to directly support ACE DTBU's core mission of achieving academic excellence, fostering groundbreaking research, and cultivating impactful community engagement.
- **Secure Long-Term Sustainability:** Its commitment to responsible financial management underpins long-term financial stability. This ensures ACE DTBU possesses the necessary resources to deliver its unwavering promise of exceptional education and groundbreaking research for generations to come.
- **Transparency and Informed Decision-Making:** The financial plan serves as a transparent and comprehensive resource, empowering university administrators and stakeholders to make informed decisions within the complexities of higher education finance.

By meticulously implementing this comprehensive financial plan, ACE Deemed-to-be University is strategically positioned to secure long-term financial strength. This, in turn, fuels its unwavering commitment to academic excellence and fosters enduring societal impact for generations to come.

Projected Cost of Project and Means of Finance

A. Cost of Project		INR Lakhs			
Sr.No	Particulars	Pre-op	Phase 1	Phase 2	Phase 3
I	Endowment with the Govt.	2,500	2,500	2,500	2,500
II	University Building	-	6,445	11,175	21,075
III	Land	-	-	3,000	10,000
IV	Hostel and Staff Accommodation	-	5,014	7,580	7,580
V	Equipment				
	(i) Computers and other IT Equipment	81	806	1,364	1,806
	(ii) Classroom & IT Equipment	13	95	97	97
	(iii) Laboratory Equipment	-	1,450	2,200	2,200
	(vii) Others - Library	25	150	275	400
VI	Furnishing	-	1,500	1,550	1,550
VII	Pre-operative expenses	689	689	689	689
VIII	Others - Contingencies	12	1,546	2,424	3,471
	CUMULATIVE COST OF PROJECT	3,319	20,195	32,854	51,367

B. Means of Finance		INR Lakhs			
Sr.No	Particulars	Pre-op	Phase 1	Phase 2	Phase 3
i)	Sponsoring Body's Contributions	1,700	5,800	5,800	5,800
ii)	Term Loans	1,700	5,800	5,800	5,800
iii)	Endowments/Donations and Sponsorships	-	-	-	-
iv)	Internal Accruals	(81)	8,595	21,254	39,767
	TOTAL MEANS OF FINANCE	3,319	20,195	32,854	51,367

Projected Capital Expenditure

Capital Expenditure	Phase 1 (INR Lakh)					
	Y0	Y1	Y2	Y3	Y4	Y5
Land	-	-	-	-	-	-
Buildings	-	1,230	1,050	1,505	1,760	900
Furnishing	-	300	250	350	400	200
Computers and other IT Equipment	81	168	88	138	192	139
Upgradations of Existing Infrastructure	-	-	-	-	-	-
<u>Classroom Equipment</u>						
- Digital Streaming Equipment	9	12	15	15	9	4
- Audio System	4	6	7	7	5	2
Centre of Excellence	-	100	100	200	100	100
Laboratory/Studios	-	100	200	200	100	250
Library	25	25	25	25	25	25
Student Hostel	-	-	1,415	1,488	1,562	549
Staff Accommodation	-	-	-	-	-	-
Contingencies	12	194	315	393	415	217
Pre-operative Expenditure (Net)	689	-	-	-	-	-
Endowment Fund	2,500	-	-	-	-	-
Total Capital Expenditure	3,319	2,135	3,466	4,321	4,568	2,385
Cumulative Expense	3,319	5,455	8,920	13,242	17,809	20,195

Capital Expenditure	Phase 2 (INR Lakh)				
	Y6	Y7	Y8	Y9	Y10
Land	-	-	-	-	3,000
Buildings	230	-	-	-	-
Furnishing	50	-	-	-	-
Computers and other IT Equipment	133	123	104	101	98
Upgradations of Existing Infrastructure	-	-	-	-	4,500
<u>Classroom Equipment</u>					
- Digital Streaming Equipment	1	1	-	-	-
- Audio System	0	0	-	-	-
Centre of Excellence	100	100	200	200	-
Laboratory/Studios	150	-	-	-	-
Library	25	25	25	25	25
Student Hostel	-	604	-	-	-
Staff Accommodation	810	468	234	342	108
Contingencies	150	132	56	67	473
Pre-operative Expenditure (Net)	-	-	-	-	-
Endowment Fund	-	-	-	-	-
Total Capital Expenditure	1,649	1,452	619	735	8,204
Cumulative Expense	21,843	23,296	23,915	24,650	32,854

Capital Expenditure	Phase 3 (INR Lakh)				
	Y11	Y12	Y13	Y14	Y15
Land	-	3,000	-	4,000	-
Buildings	-	-	-	-	-
Furnishing	-	-	-	-	-
Computers and other IT Equipment	89	88	95	84	86
Upgradations of Existing Infrastructure	4,500	-	1,800	1,500	2,100
<u>Classroom Equipment</u>					
- Digital Streaming Equipment	-	-	-	-	-
- Audio System	-	-	-	-	-
Centre of Excellence	-	-	-	-	-
Laboratory/Studios	-	-	-	-	-
Library	25	25	25	25	25
Student Hostel	-	-	-	-	-
Staff Accommodation	-	-	-	-	-
Contingencies	461	11	192	161	221
Pre-operative Expenditure (Net)	-	-	-	-	-
Endowment Fund	-	-	-	-	-
Total Capital Expenditure	5,075	3,124	2,112	5,769	2,433
Cumulative Expense	37,929	41,053	43,165	48,935	51,367

Projected Income and Expenditure Statement

Income & Expenditure Statement	Phase 1 (INR Lakh)				
	Y1	Y2	Y3	Y4	Y5
REVENUE					
Gross University Income	6,035	7,873	10,350	13,038	15,651
TOTAL REVENUE	6,035	7,873	10,350	13,038	15,651
OPERATING EXPENSES					
Faculty Cost	3,167	3,834	4,615	5,474	6,671
Academic Content Cost	27	93	134	158	187
Examination and certification	51	87	94	99	113
Infrastructure	364	452	535	692	847
Administrative Cost	590	854	1,072	1,286	1,579
Research & Innovation Expenditure	203	276	347	441	528
Library	13	13	23	23	29
Laboratory	44	51	58	66	76
Student activities/facilities	222	286	345	318	475
Students Acquisition Cost	851	1,085	1,303	1,420	1,509
TOTAL OPERATING EXPENSES	5,531	7,031	8,524	9,976	12,013
Operating Surplus	504	841	1,825	3,063	3,638
	8%	11%	18%	23%	23%
Interest on term loans	185	271	361	423	429
Amortisation	546	858	1,256	1,641	1,716
Net Surplus	(227)	(288)	209	999	1,493

Income & Expenditure Statement	Phase 2 (INR Lakh)				
	Y6	Y7	Y8	Y9	Y10
REVENUE					
Gross University Income	17,045	18,098	19,058	20,042	20,906
TOTAL REVENUE	17,045	18,098	19,058	20,042	20,906
OPERATING EXPENSES					
Faculty Cost	7,477	7,990	8,478	8,939	9,401
Academic Content Cost	188	190	190	190	190
Examination and certification	176	185	198	207	216
Infrastructure	964	1,089	1,116	1,143	1,172
Administrative Cost	2,057	2,221	2,422	2,580	2,762
Research & Innovation Expenditure	580	608	633	658	685
Library	36	44	44	55	55
Laboratory	80	82	82	82	82
Student activities/facilities	579	628	668	697	729
Students Acquisition Cost	1,585	1,664	1,747	1,834	1,926
TOTAL OPERATING EXPENSES	13,721	14,700	15,577	16,387	17,218
Operating Surplus	3,324	3,398	3,481	3,656	3,687
	19%	19%	18%	18%	18%
Interest on term loans	382	329	277	225	173
Amortisation	1,703	1,669	1,536	1,437	1,781
Net Surplus	1,239	1,399	1,667	1,993	1,734

Income & Expenditure Statement	Phase 3 (INR Lakh)				
	Y11	Y12	Y13	Y14	Y15
REVENUE					
Gross University Income	21,970	22,920	24,082	25,122	26,220
TOTAL REVENUE	21,970	22,920	24,082	25,122	26,220
OPERATING EXPENSES					
Faculty Cost	9,803	10,210	10,636	11,098	11,559
Academic Content Cost	190	190	190	190	190
Examination and certification	253	261	271	282	293
Infrastructure	1,227	1,259	1,292	1,327	1,364
Administrative Cost	3,084	3,219	3,392	3,539	3,715
Research & Innovation Expenditure	713	742	773	805	840
Library	64	81	81	93	116
Laboratory	82	82	82	82	82
Student activities/facilities	761	795	830	868	908
Students Acquisition Cost	2,022	2,123	2,230	2,341	2,458
TOTAL OPERATING EXPENSES	18,200	18,964	19,777	20,625	21,525
Operating Surplus	3,769	3,957	4,305	4,498	4,695
	17%	17%	18%	18%	18%
Interest on term loans	121	76	42	18	5
Amortisation	2,078	1,856	1,861	1,832	1,876
Net Surplus	1,571	2,025	2,402	2,648	2,815

Projected Cash Flow Statement

Cash Flows Statement	Phase 1 (INR Lakh)					
	Pre-op	Y1	Y2	Y3	Y4	Y5
Sources of Funds						
Sponsoring body's contribution	1,700	700	1,400	1,000	1,000	-
10 Year Term Loans	1,700	700	1,400	1,000	1,000	-
Net cash flow from prospectus sale during pre-op	8	-	-	-	-	-
Security Deposit from students	-	532	817	945	989	511
Operational Surplus (EBIDTA)	-	504	841	1,825	3,063	3,638
Total	3,408	2,436	4,458	4,770	6,052	4,149
Disposition of Funds						
Land for University	-	-	-	-	-	-
Capital Expenditure						
- University	131	2,135	1,909	2,684	2,850	1,782
- Hostels	-	-	1,557	1,637	1,718	604
- Staff Housing	-	-	-	-	-	-
Pre-operative Expenditure	689	-	-	-	-	-
Endowment Fund	2,500	-	-	-	-	-
Re-payment of Term Borrowing	-	-	170	240	380	480
Re-payment of Contributor's Contribution	-	-	-	-	-	-
Interest on Term Borrowing	-	185	271	361	423	429
Total	3,319	2,320	3,907	4,922	5,371	3,295
Opening cash balance	-	89	205	756	604	1,285
Net Inflow (Outflow) for the year	89	116	551	(152)	681	855
Closing cash balance	89	205	756	604	1,285	2,140

Cash Flows Statement	Phase 2 (INR Lakh)				
	Y6	Y7	Y8	Y9	Y10
Sources of Funds					
Sponsoring body's contribution	-	-	-	-	-
10 Year Term Loans	-	-	-	-	-
Net cash flow from prospectus sale during pre-op	-	-	-	-	-
Security Deposit from students	231	68	22	-	-
Operational Surplus (EBIDTA)	3,324	3,398	3,481	3,656	3,687
Total	3,555	3,465	3,503	3,656	3,687
Disposition of Funds					
Land for University	-	-	-	-	3,000
Capital Expenditure					
- University	758	273	362	359	5,085
- Hostels	-	664	-	-	-
- Staff Housing	891	515	257	376	119
Pre-operative Expenditure	-	-	-	-	-
Endowment Fund	-	-	-	-	-
Re-payment of Term Borrowing	580	580	580	580	580
Re-payment of Contributor's Contribution	-	-	-	-	-
Interest on Term Borrowing	382	329	277	225	173
Total	2,610	2,362	1,477	1,540	8,956
Opening cash balance	2,140	3,084	4,188	6,214	8,329
Net Inflow (Outflow) for the year	944	1,104	2,026	2,116	(5,269)
Closing cash balance	3,084	4,188	6,214	8,329	3,060

Cash Flows Statement	Phase 3 (INR Lakh)				
	Y11	Y12	Y13	Y14	Y15
Sources of Funds					
Sponsoring body's contribution	-	-	-	-	-
10 Year Term Loans	-	-	-	-	-
Net cash flow from prospectus sale during pre-op	-	-	-	-	-
Security Deposit from students	-	-	-	-	-
Operational Surplus (EBIDTA)	3,769	3,957	4,305	4,498	4,695
Total	3,769	3,957	4,305	4,498	4,695
Disposition of Funds					
Land for University	-	3,000	-	4,000	-
Capital Expenditure					
- University	5,075	124	2,112	1,769	2,433
- Hostels	-	-	-	-	-
- Staff Housing	-	-	-	-	-
Pre-operative Expenditure	-	-	-	-	-
Endowment Fund	-	-	-	-	-
Re-payment of Term Borrowing	580	410	340	200	100
Re-payment of Contributor's Contribution	-	-	-	-	-
Interest on Term Borrowing	121	76	42	18	5
Total	5,776	3,610	2,495	5,987	2,537
Opening cash balance	3,060	1,054	1,401	3,211	1,721
Net Inflow (Outflow) for the year	(2,006)	347	1,811	(1,490)	2,158
Closing cash balance	1,054	1,401	3,211	1,721	3,879

5.12 Administrative Plan

ACE's administrative plan serves as a blueprint for achieving its ambitious vision of educational excellence and lasting societal impact. Guided by unwavering principles of innovation, inclusivity, and academic rigor, this comprehensive roadmap outlines its strategic direction for the next 15 years. It details establishing robust administrative structures and processes across all educational and operational departments. This plan lays the foundation for cultivating a dynamic learning environment, fostering groundbreaking research and innovation, and nurturing the holistic development of university students. ACE DTBU aspires to become a beacon of higher education, enriching lives and communities for generations to come through a shared commitment to this clear vision.

The various administrative departments at ACE DTBU, followed by their respective 15-year strategic plans are provided below.

Registrar Office

The Registrar's Office serves as the backbone of a university's academic operations. This vital department oversees critical functions such as admissions, student records management, academic policy enforcement, and a range of administrative duties. In doing so, the Registrar's Office plays a central role in ensuring both the academic integrity and operational efficiency of the institution.

15-Year Registrar's Office Administrative Plan A Roadmap for Excellence

ACE Deemed-to-be University's Registrar's Office recognizes the importance of continuous improvement. This 15-year strategic plan outlines a roadmap for streamlining processes, enhancing efficiency, and fostering a world-class academic environment. By optimizing admissions procedures, student record management, and other critical functions, the Registrar's Office will reduce administrative burdens. Leveraging technology and data will further improve operational efficiency.

Phase 1: Building a Digital Foundation (Years 1-5)

Embracing Technological Transformation: A Digital Future

The Registrar's Office is committed to leveraging technology to enhance efficiency and student support. The university will embark on a comprehensive digitization initiative, transitioning from paper-based systems to a robust digital platform. This multi-phase approach includes:

- **Needs Assessment:** A dedicated team will conduct a meticulous evaluation of current processes to identify areas most suitable for digitization. This ensures we prioritize improvements with the greatest impact.
- **Student Information System (SIS) Implementation:** The university will implement a comprehensive and integrated Student Information System (SIS). This digital platform will streamline admissions, manage student records electronically, and automate various administrative functions.
- **Cybersecurity and Training:** Recognizing the importance of data security, the university will establish robust cybersecurity measures to protect sensitive student information. Additionally, thorough training programs will be provided to ensure staff can utilize the new systems efficiently and securely.

Policy Review and Communication

The Registrar's Office recognizes the importance of maintaining policies that align with evolving educational trends and global best practices. To achieve this, it will undertake a comprehensive policy review and communication strategy:

- **Interdisciplinary Task Force:** An inclusive task force will be established, comprised of academic professionals, legal experts, and relevant stakeholders. This group will meticulously examine and update existing academic policies to ensure they reflect best practices and support its vision for the future.
- **Transparent Communication Strategy:** A comprehensive communication plan will be developed to keep all stakeholders, including faculty, staff, and students, informed about upcoming policy changes and their implications. This proactive approach will ensure a smooth transition and foster understanding within the university community.

Investing in Professional Development

The Registrar's Office recognizes the importance of a skilled and empowered workforce. The university is committed to providing targeted training and skill development programs to support a smooth transition to the new digital platform and enhance overall efficiency. These programs will focus on three key areas:

- **Technical Proficiency:** The university will equip staff with the necessary technical skills to operate effectively within the new digital environment. Training will ensure they can confidently utilize the Student Information System (SIS) and other digital tools to optimize their workflows and provide excellent service
- **Data Security Awareness:** The university will prioritize data security by fostering a strong understanding of best practices among its staff. Training programs will equip them with the knowledge and skills necessary to safeguard sensitive student information.
- **Exceptional Customer Service:** ACE remains dedicated to providing outstanding customer service to all students and faculty. Through targeted training and ongoing support, it will empower its staff to deliver a consistently positive and efficient experience for the ACE DTBU.

Phase 2: Advancing the Digital Landscape (Years 6-10)

Leveraging Next-Generation Technologies

Building upon the established digital foundation, the Registrar's Office is committed to exploring the integration of cutting-edge technologies to further optimize services and enhance the student experience. This includes:

- **Artificial Intelligence (AI) Integration:** The university will strategically explore the implementation of AI-powered systems to streamline various academic processes. These systems have the potential to automate repetitive tasks, improve data analysis, and personalize the student experience. However, it remains committed to ensuring data security and accuracy throughout this process. Continuous feedback mechanisms will be established to monitor AI performance and tailor it to best meet the specific needs of ACE DTBU.

Expanding Horizons: Cultivating Global Connections

The Registrar's Office recognizes the value of fostering international collaborations to enhance the educational experience for ACE DTBU students and faculty. It will actively pursue partnerships with renowned academic institutions around the world, facilitating:

- **Knowledge Exchange and Research Collaboration:** These partnerships will promote collaborative research initiatives and knowledge exchange programs. This will expose students and faculty to diverse perspectives, cutting-edge research, and best practices in the global academic landscape.
- **Enriched Learning through Mobility:** The university will actively cultivate student and faculty exchange programs, providing opportunities for ACE's students and faculty to gain invaluable international experience and broaden their global perspectives.
- **Streamlined Qualification Recognition:** Through strategic partnerships, it aims to facilitate the recognition of academic qualifications across partner institutions. This will enhance the mobility of its students and faculty, opening doors to international opportunities for academic and professional pursuits.

Fostering Community and Alumni Engagement

The Registrar's Office recognizes the vital role a strong connection with the wider community and alumni network plays in enriching the student experience. This phase of the plan focuses on fostering engagement through several key initiatives:

- **Robust Alumni Engagement:** The university will establish a comprehensive alumni engagement program. This program will provide opportunities for alumni to connect with current students, offer valuable career guidance and mentorship, and contribute to the university's growth.
- **Mutually Beneficial Community Partnerships:** The Registrar's Office is committed to fostering partnerships with local communities. These collaborations will see ACE students participate in projects that address local needs, while simultaneously enriching their own learning experiences through real-world application. Such partnerships will strengthen the university's ties to the community and create a positive societal impact.
- **Enhanced Career Prospects through Business Partnerships:** The university will actively cultivate partnerships with local businesses. These strategic collaborations aim to create internship and job placement opportunities for students. This will provide students with valuable practical experience and enhance their career preparedness upon graduation.

Phase 3: Leading the Way (Years 11-15)

- **Innovative Records Management:** The university will explore cutting-edge technologies, such as blockchain, to enhance data security and record-keeping processes. Blockchain offers significant potential for creating a tamper-proof system to store academic records, ensuring their permanence, security, and transparent accessibility.
- **Strategic Policy Guidance:** ACE DTBU aspires to be a leader in educational policy discourse. The Registrar's Office will actively participate in national and international forums. Through this engagement, it will share valuable insights and best practices gleaned from its administrative operations. This proactive approach will contribute to shaping the future of educational policy and ensuring its alignment with evolving needs.
- **Continuous Enhancement:** The Registrar's Office recognizes the importance of a culture that embraces ongoing evaluation. It will conduct regular audits and assessments of its digital systems and administrative processes. This commitment to continuous improvement allows us to identify areas for optimization, ensuring its operations remain at the forefront of efficiency and best practices in academic administration.

Controller of Examination

The Controller of Examinations plays a central role in upholding the academic integrity of ACE Deemed-to-be University. This vital department oversees the entire examination process, from the meticulous development of examination papers to the final declaration of results. Through rigorous procedures and a commitment to fairness, the Controller of Examinations ensures the sanctity and accuracy of academic evaluations for all students

15-Year Controller of Examinations Administrative Plan Ensuring Excellence in Assessment

ACE Deemed-to-be University is dedicated to upholding the highest standards in examination processes. This 15-year administrative plan presents a comprehensive strategy aimed at enhancing the fairness, accuracy, and transparency of examinations while continually refining assessment methods.

Phase 1: Building a Strong Foundation (Years 1-5)

Optimizing Examination Processes for Excellence

The Controller of Examinations is committed to continuous improvement. It will embark on a meticulous review of existing examination practices to identify areas for optimization. This comprehensive review will focus on:

- **Task Force Expertise:** A dedicated task force will be established, comprised of academicians, examination experts, and technology professionals. This diverse group will leverage their combined expertise to identify potential vulnerabilities in paper settings, invigilation procedures, and result processing.
- **Ensuring Fairness and Accuracy:** The core objective of this review is to ensure the examination system remains consistently fair, accurate, and transparent for all students.

Leveraging Technology for Enhanced Assessment

The Controller of Examinations recognizes the transformative potential of technology. It is committed to embracing technological advancements to enhance the efficiency and security of examination processes. This includes:

- **Implementing a Robust Examination Management System (EMS):** The university will conduct a thorough selection process to identify and implement a comprehensive online examination system. This system will be capable of handling a variety of assessment formats, including multiple-choice questions, essays, and practical evaluations.
- **Facilitating a Smooth Transition:** To ensure a seamless adoption of the new system, it will provide extensive training programs for both staff and students. These programs will equip them with the necessary skills and knowledge to navigate the online examination platform effectively.

Commitment to Quality

The Controller of Examinations is committed to upholding the highest standards of quality in our assessment practices. This commitment is reflected in the following initiatives:

- **Robust Quality Assurance Framework:** The university will establish a dedicated quality assurance review board. This board will comprise academic experts and assessment specialists tasked with overseeing and maintaining the integrity of examinations. Its core functions will include:

- a. Ensuring alignment between examination formats and intended learning outcomes.
 - b. Continuously evaluating and elevating examination standards to reflect evolving academic requirements.
- **Integrity and Relevance:** The quality assurance framework will emphasize the paramount importance of assessment integrity, fairness, and relevance. This ensures that examinations accurately measure student learning and effectively prepare them for academic and professional success.

Phase 2: Building Upon the Foundation (Years 6-10)

Prioritizing Student Well-being: Comprehensive Support Services

The Controller of Examinations recognizes the importance of student well-being during examination periods. To ensure optimal student success, the university will introduce a comprehensive support system, including:

Holistic Support Services will offer readily available academic and emotional support services to assist students during exam periods. This may include access to:

- **Academic Support:** Resources and workshops to enhance study skills and exam preparation techniques.
- **Stress Management Workshops:** Interactive sessions to equip students with effective stress management strategies.
- **Counselling Services:** Confidential counseling services to address exam-related anxiety and academic challenges.

Technological Advancements

The Controller of Examinations is committed to upholding the highest standards of academic integrity. The university will leverage cutting-edge technology to further strengthen its assessment processes:

- **AI-powered Plagiarism Detection:** The university will implement advanced AI-powered plagiarism detection tools. These tools will analyze student work and identify potential plagiarism, ensuring the authenticity and originality of student submissions.
- **Enhanced Examination Security with AI-based Supervision:** To further ensure the integrity of the examination environment, the university will explore the implementation of AI-based examination

supervision tools. These tools can provide vigilant monitoring to minimize the risk of misconduct during assessments.

Accreditation and Benchmarking

The Controller of Examinations is committed to continuously enhancing the quality and international standing of ACE DTBU's assessment practices. The university will pursue a two-pronged approach:

- **Benchmarking Against International Standards:** The university will undertake a comprehensive benchmarking exercise. This will involve rigorously comparing its examination processes against internationally recognized best practices and quality standards. Through this process, it will identify areas for improvement and opportunities to further strengthen assessment methodologies.
- **Pursuit of International Accreditation:** Building upon the insights gained from benchmarking, the university will actively pursue international accreditation for examination processes. Securing this accreditation will serve as a formal recognition of the quality, credibility, and international alignment of ACE DTBU's assessments.

Phase 3: Leading the Way in Assessment (Years 11-15)

Collaboration with Assessment Experts: The university will establish collaborative partnerships with academic researchers and measurement professionals. Through this collaboration, it will explore and implement cutting-edge assessment methodologies. This ensures evaluation methods remain current and aligned with the evolving educational landscape.

Piloting Innovative Techniques

The Controller of Examinations aspires to be a leader in innovative assessment practices. It will achieve this through:

- **Piloting Cutting-Edge Assessment Techniques:** The university is committed to piloting new and innovative assessment methods. This may include exploring the use of technology-driven evaluation systems. Through this process, it will strategically integrate emerging technologies to enhance the efficiency and effectiveness of assessments while remaining steadfast in its commitment to accuracy and reliability.

Continuous Progression- The Controller of Examinations embraces continuous improvement. It will proactively review and revise assessment strategies, informed by cutting-edge advancements and educational research. This ensures ACE DTBU's assessments remain effective and relevant in the evolving educational landscape.

The ACE Deemed-to-be University Controller of Examinations is unwavering in its commitment to excellence. By meticulously implementing this comprehensive 15-year plan, it aims to deliver a robust, transparent, and efficient examination system. This system will uphold the highest standards of academic integrity while fostering a vibrant culture of learning and student success.

Director Administration

The Director of Administration plays a critical role in ensuring the university's smooth and efficient operation. This vital department oversees a broad spectrum of administrative functions, from strategic infrastructure development and resource management to the day-to-day operations that keep the university running seamlessly.

15-Year Director of Administration Plan Building a World-Class Administrative Infrastructure

ACE DTBU's Director of Administration is dedicated to a dynamic and efficient administrative environment that empowers the university's academic mission. This 15-year plan outlines a strategic roadmap to optimize infrastructure, streamline processes, and embrace innovation. This ensures exceptional service delivery for faculty, staff, and students.

Phase 1: Building a Strong Foundation (Years 1-5)

Optimizing Infrastructure

The Director of Administration is committed to ensuring ACE DTBU's infrastructure supports its academic mission effectively. This will be achieved through a two-pronged approach:

- **Strategic Infrastructure Assessment:** A comprehensive audit will be conducted to identify areas requiring renovation, expansion, or modernization. This ensures infrastructure remains functional and meets the evolving needs of the university community.

- **Sustainable Development Focus:** Renovation plans will prioritize sustainability principles. This includes incorporating energy-efficient technologies and practices to create a modern, functional, and environmentally responsible learning environment.

Streamlining Operations for Efficiency

The Director of Administration is committed to optimizing administrative processes for enhanced efficiency and service delivery. This will be achieved through a two-step approach:

- **Workflow Optimization:** It will conduct a comprehensive analysis of current workflows and communication channels. This in-depth review will identify bottlenecks and inefficiencies, allowing for targeted improvements.
- **Process Re-engineering:** Leveraging the insights from the workflow analysis, it will re-engineer administrative processes. This will enhance operational smoothness, optimize resource management, and ultimately lead to a more efficient and user-friendly experience for all stakeholders.

Empowering Team for Excellence

The university is committed to investing in their professional development through comprehensive training programs. These programs will focus on:

- **Skill Development:** Equipping staff with the latest skills and knowledge to excel in their roles and adapt to evolving administrative practices.
- **Leadership Training:** Fostering leadership potential within staff to enhance collaboration and problem-solving within the administrative team.
- **Technological Proficiency:** Building staff's confidence and expertise in using technology to streamline processes and enhance service delivery.

Phase 2: Embracing Innovation and Efficiency (Years 6-10)

Enhancing Sustainability

ACE DTBU is dedicated to environmental responsibility. This commitment extends to our operations. This phase prioritizes the implementation of sustainable practices, including:

- **Transition to Renewable Energy:** It will explore the feasibility and implementation of renewable energy sources to power facilities, minimizing environmental footprint.
- **Waste Management Optimization:** It will introduce an effective waste management system, focusing on reduction, reuse, and recycling initiatives.
- **Sustainable Building Operations:** It will implement practices to improve energy and water efficiency in buildings, promoting a more sustainable campus environment.

Leveraging Technology for Efficiency and Innovation

The Director of Administration is committed to harnessing the power of technology to enhance administrative operations. This will be achieved through a two-pronged approach:

- **Implementing Smart Solutions:** It will strategically deploy automated systems for inventory management, resource allocation, and communication. These smart solutions will streamline workflows, improve data accuracy, and enhance operational efficiency.
- **Empowering Staff Through AI:** The plan prioritizes the strategic integration of artificial intelligence (AI). AI-powered tools will automate routine tasks, freeing up valuable staff time. This allows the administrative team to focus on higher-level strategic initiatives and provide more personalized support to faculty, staff, and students.

Achieving Global Recognition

The Director of Administration is committed to propelling ACE DTBU to the forefront of administrative excellence. It will achieve this through a continuous improvement process focused on international best practices:

- **Benchmarking Administrative Operations:** It will conduct a comprehensive benchmarking exercise to compare its administrative practices against internationally recognized standards. This will identify areas for improvement and opportunities to adopt leading-edge methodologies.

- **Pursuing Accreditation and Recognition:** Building upon the insights from benchmarking, it will actively pursue relevant certifications and accreditation programs. This formal recognition demonstrates its commitment to world-class administrative practices.
- **Engaging with the Global Community:** It will actively participate in global administrative forums and professional associations. This fosters knowledge exchange and allows the university to learn from and collaborate with leading administrative teams worldwide.

Phase 3: Leading the Way in Administrative Excellence (Years 11-15)

Administrative Innovation Hub

The Director of Administration is committed to fostering a culture of continuous improvement within the administrative department. This will be achieved through the establishment of the Administrative Innovation Hub:

- **A Catalyst for Creative Solutions:** The hub will serve as a dedicated space for creative problem-solving and cross-departmental collaboration. This collaborative environment will encourage the generation and implementation of innovative solutions to administrative challenges.
- **Harnessing Collective Expertise:** By bringing together staff from diverse administrative units, the hub will leverage the collective expertise of the department. This fosters knowledge sharing and the development of more effective and efficient administrative processes.

Administrative Excellence

ACE DTBU aspires to be a beacon of leadership in administrative excellence within the higher education sector. It will achieve this through a collaborative approach:

- **Disseminating Best Practices:** The university is committed to actively sharing its knowledge and best practices with other institutions. This knowledge-sharing fosters a collaborative environment and elevates administrative standards across the educational landscape.
- **Fostering Cross-Institutional Collaboration:** It will actively engage in collaborative initiatives with other universities. This allows for the exchange of ideas, the identification of shared challenges, and the development of innovative solutions that benefit the entire educational community.

Embracing Agility and Innovation

The Director of Administration recognizes the importance of adaptability in the ever-evolving higher education landscape. It will cultivate a culture of agility within the administrative department, fostering:

- **Readiness for Change:** readily embrace new tools, technologies, and methodologies. This proactive approach ensures it remains at the forefront of administrative practices and continuously optimizes operational efficiency.
- **Continuous Improvement Mindset:** Its focus on agility is fueled by a dedication to continuous improvement. By readily adapting to new advancements, it can ensure administrative processes are effective, streamlined, and meet the evolving needs of the university community.

Through the implementation of this comprehensive 15-year plan, the ACE Deemed-to-be University Director of Administration department underscores its unwavering commitment to excellence. This multifaceted strategy will foster a supportive and efficient administrative infrastructure. This, in turn, empowers faculty, staff, and students by providing the resources and environment they need to achieve their full potential and contribute to the university's continued success.

Student Affairs

The Director of Student Affairs plays a pivotal role in fostering the holistic development and well-being of ACE DTBU's student body. This department extends beyond academics, focusing on creating a vibrant and supportive campus environment that empowers students to thrive.

15-Year Student Affairs Administrative Plan Enhancing Student Achievement

ACE Deemed-to-be University prioritizes student success. This 15-year roadmap outlines a strategic plan to cultivate well-rounded graduates. The university will achieve this by providing comprehensive support services, enriching extracurricular activities, and fostering career readiness. This empowers students to thrive academically and personally, preparing them for life beyond graduation.

Phase 1: Building a Strong Foundation (Years 1-5)

- **Expand Student Support Services:** It will enhance existing counselling services, mental health resources, and career guidance programs. This equips students to navigate academic and personal challenges, fostering a thriving and supportive campus environment.
- **Broaden Extracurricular Opportunities:** The university will introduce a wider range of extracurricular programs, clubs, and community service initiatives. These activities promote social interaction, skill development, and personal growth, enriching campus life.
- **Cultivate an Inclusive Culture:** Implement diversity and inclusion initiatives. Workshops, events, and mentorship programs will celebrate differences, fostering a welcoming environment that embraces cultural exchange.

Phase 2: Empowering Future Leaders (Years 6-10)

- **Career Readiness:** The university offers comprehensive skill development programs, internship opportunities, industry exposure events, and career-oriented workshops. These initiatives enhance student's employability and prepare them to thrive in the professional landscape.
- **Global Learning & Well-being:** ACE broadens international exchange programs, fostering partnerships with universities worldwide. These programs expose students to diverse cultures, international learning experiences, and global best practices. Additionally, prioritizing student well-being, the university introduces mental and physical well-being initiatives. This includes fitness programs, mindfulness workshops, and health campaigns, ensuring students have the resources for a healthy lifestyle.

Phase 3: Leading the Way in Student Support (Years 11-15)

- **Leadership Development:** The university prioritizes equipping students with leadership and entrepreneurial skills. Workshops, mentorship programs, and real-world projects will nurture their leadership abilities and cultivate an innovative mindset, preparing them for impactful careers.
- **Alumni Mentorship Network:** Establishing a robust alumni network is key. This fosters connections with experienced professionals, providing invaluable guidance and support to students as they navigate academic and professional transitions.
- **Continuous Improvement:** The university is committed to ongoing program evaluation and adaptation. Regular assessments will ensure student affairs strategies are aligned with future educational trends and meet the evolving needs of students.



ACE DTBU's Student Affairs department unveils a comprehensive 15-year plan. This multifaceted strategy fosters a supportive and enriching environment that empowers students to thrive academically, personally, and professionally. By equipping them with the necessary skills and fostering a culture of well-being, we aspire to become a leading institution that graduates not only successful individuals but also well-rounded changemakers prepared to contribute meaningfully to the world.

Resource Allocation and Budgeting

15-Year Resource Allocation and Budgeting Plan Stewarding Resources for Excellence



ACE Deemed-to-be University's Resource Allocation and Budgeting (RAB) department is committed to driving financial sustainability and empowering academic excellence. This meticulously crafted 15-year plan outlines a strategic roadmap to achieve these goals.

The plan focuses on three key pillars:

- **Financial Optimization:** The university will implement strategies to optimize financial management, ensuring efficient resource allocation and cost-effectiveness.
- **Responsible Stewardship:** Fostering a culture of responsible resource stewardship will be a key priority. This promotes informed decision-making and maximizes the impact of investments.
- **Empowering Academic Pursuits:** By prioritizing efficient resource allocation, the university aims to empower academic pursuits and support faculty research, innovation, and student success initiatives.

Phase 1: Building a Solid Foundation (Years 1-5)

- **Data-Driven Decision Making:** A comprehensive financial assessment will identify spending patterns, cost-saving opportunities, and investment needs. This data will inform strategic financial planning and resource allocation.
- **Transparent and Inclusive Budgeting:** The university is committed to reforming the budgeting process. It will implement a participatory model, ensuring key stakeholders have a voice in resource allocation, and fostering collaboration and ownership.
- **Resource Optimization with Technology:** Optimizing existing resources is key. Data-driven allocation strategies coupled with investments in budgetary management technologies will enhance cost-effectiveness and streamline financial operations.

Phase 2: Securing Financial Sustainability (Years 6-10)

- **Predictive Forecasting:** The university will develop robust financial forecasting models using data analytics and predictive tools. This proactive approach allows it to anticipate future needs, manage potential risks effectively, and make informed investment decisions.
- **Strategic Investment Diversification:** Diversifying the university's financial portfolio is key. Exploring alternative investment avenues will increase revenue streams and ensure long-term financial stability.
- **Expanded Funding Opportunities:** The university will actively seek grants, forge strategic partnerships with corporations, and cultivate philanthropic engagements to broaden ACE's funding base.



Phase 3: Leading the Way in Fiscal Responsibility (Years 11-15)

- **Responsible Financial Framework:** The university will establish sustainable financial policies aligned with ACE's mission and values. This framework will ensure ethical and responsible practices guide all financial decisions.
- **Empowering Fiscal Stewardship:** Granting departments greater fiscal autonomy is key. This empowers them to participate in budget planning and manage expenditures, fostering alignment with departmental goals and optimized resource utilization for academic excellence.
- **Continuous Improvement:** The university is committed to ongoing evaluation and adaptation of its financial strategies. Regular assessments ensure its practices remain aligned with ACE DTBU's evolving needs and the dynamic economic landscape.

Through this meticulously crafted 15-year plan, the ACE Deemed-to-be University's Resource Allocation and Budgeting (RAB) department underscores its unwavering commitment to financial stewardship. This comprehensive strategy focuses on optimizing resource allocation and securing long-term financial sustainability. By empowering informed decision-making and fostering a culture of responsible financial management, the RAB department aims to propel ACE DTBU toward continued academic excellence and fuel groundbreaking innovation.

Infrastructure and Facilities Management

The Infrastructure and Facilities Management department plays a pivotal role in fostering a vibrant and functional learning environment at ACE DTBU. This department oversees the university's physical assets, ensuring their proper maintenance and development. Their efforts guarantee a safe, well-maintained campus that effectively supports learning, research, and daily operations.

15-Year Infrastructure and Facilities Management Plan Creating a Sustainable and Vibrant Learning Ecosystem

ACE's Infrastructure and Facilities department charts a course for a future-proof learning environment. This 15-year plan prioritizes optimizing space utilization, promoting environmental stewardship, and cultivating a dynamic learning space. Leveraging data will maximize existing facilities, fostering a more dynamic environment. Sustainability initiatives, like energy-efficient upgrades, will be prioritized. Investing in cutting-edge technologies and adaptable learning spaces will cultivate collaboration, innovation, and academic excellence for generations to come. This comprehensive approach ensures a safe, sustainable, and technologically advanced learning environment that empowers ACE DTBU's academic mission.

Phase 1: Building a Strong Foundation (Years 1-5)

- **Strategic Infrastructure Development:** A comprehensive audit will identify maintenance needs, potential renovations, or necessary expansions. This data will guide infrastructure development aligned with the university's evolving academic and operational needs.
- **Sustainable Practices Integration:** Sustainability is key. The university will adopt green building practices, incorporate renewable energy sources, and implement robust waste management systems, fostering a culture of environmental responsibility.
- **Prioritizing Safety and Wellbeing:** Rigorous safety assessments will identify potential hazards. It will implement robust safety protocols and ensure ongoing compliance with regulations to safeguard the entire ACE DTBU community.

Phase 2: Embracing Innovation and Efficiency (Years 6-10)

- **Smart Infrastructure Integration:** The university will leverage Internet-of-Things (IoT) technology to optimize maintenance schedules, reduce energy consumption, and enhance operational efficiency. This ensures the infrastructure is both resource-efficient and adaptable to evolving needs.
- **Adaptable Learning Spaces:** Developing flexible spaces that can be repurposed, expanded, or technologically enhanced is key. This adaptable approach ensures its infrastructure remains relevant and supportive of changing educational practices.
- **Universal Accessibility:** We are committed to fostering a truly inclusive learning environment. This phase involves upgrading facilities for accessibility, implementing assistive technologies, and promoting a culture of respect for all members of the university community.

Phase 3: Leading the Way in Infrastructure Development (Years 11-15)

- **Pioneering Infrastructure Solutions:** The university will explore and pilot innovative models that enhance the learning experience, promote sustainability, and cultivate a vibrant academic community.
- **Building Resilient Infrastructure:** Recognizing the challenges of tomorrow, the university prioritizes building infrastructure that can withstand environmental factors and technological disruptions. This ensures long-term sustainability and adaptability to future needs.
- **Continuous Improvement and Innovation:** The university is committed to ongoing evaluation and adaptation of its infrastructure plans. This ensures infrastructure remains responsive to the evolving needs of students and faculty and adaptable to advancements in construction and sustainability practices.

Through this meticulously crafted 15-year roadmap, ACE Deemed-to-be University's Infrastructure and Facilities Management department pledges its commitment to a thriving learning environment. This comprehensive plan prioritizes the creation of a sustainable, dynamic, and technologically advanced space that fosters academic excellence. By strategically optimizing infrastructure, implementing cutting-edge solutions, and prioritizing environmental responsibility, the department aims to empower not only students and faculty, but the entire ACE DTBU community, to flourish in the years to come.

Human Resources

ACE DTBU's Human Resources department plays a pivotal role in cultivating a talented and engaged workforce. This department oversees the entire employee lifecycle, from strategic recruitment and professional development to promoting staff well-being. It ensures a supportive and compliant work environment, fostering a sense of belonging and maximizing employee contributions to the university's success.

15-Year Human Resources Plan Building a Thriving Workforce for Academic Excellence

ACE Deemed-to-be University recognizes the transformative power of its people. The Human Resources department has crafted a strategic 15-year plan to cultivate a dynamic and highly engaged workforce. This plan prioritizes three key areas. First, attracting top talent through innovative recruitment strategies, followed by empowering them to excel through comprehensive professional development programs. Second, fostering a collaborative and supportive work environment. Initiatives promoting employee well-being, recognition, and a sense of belonging will be central to maximizing staff potential. Finally, retaining valued employees through competitive compensation and benefits packages, coupled with career advancement opportunities, ensures ACE DTBU remains an employer of choice. By focusing on these areas, the Human Resources department aims to cultivate a dynamic workforce that propels ACE's success for years to come, while empowering its staff to achieve their full potential.

Phase 1: Building a Strong Foundation (Years 1-5)

- **Talent Acquisition Excellence:** The university will develop a robust talent acquisition strategy to attract high-caliber candidates who align with its values and strategic goals. This strategy emphasizes optimized recruitment processes and celebrates diversity, fostering a vibrant and inclusive work environment.
- **Investing in Staff Development:** The university is committed to empowering its employees. Comprehensive training programs will be implemented to enhance staff skills, foster leadership potential, and ensure adaptability to evolving technologies and educational methodologies.

- **Performance Management for Growth:** It is dedicated to establishing a transparent and fair performance management framework. This framework will motivate staff, provide valuable feedback, and align individual goals with ACE DTBU's objectives, driving continuous improvement and excellence.

Phase 2: Cultivating a Thriving Work Environment (Years 6-10)

- **Empowering Culture and Well-being:** The university will cultivate a supportive environment that values diversity, recognizes contributions, and promotes engagement through collaborative initiatives and staff wellness programs, fostering a strong sense of belonging.
- **Leadership Development Pipeline:** Investing in leadership potential across all levels is crucial. Tailored programs will nurture leadership qualities, ensuring a pipeline of capable leaders prepared to address future challenges.
- **Diversity and Inclusion Champions:** The university is committed to advancing diversity and inclusion. This phase involves creating policies and programs that ensure equal opportunities, fostering a sense of belonging, and harnessing the full potential of a diverse workforce.

Phase 3: Leading the Way in HR Excellence (Years 11-15)

- **Future Skills Development:** The university is committed to equipping its staff with the skills necessary to navigate emerging trends, new technologies, and changing educational paradigms. Comprehensive training programs will ensure staff are future-ready and prepared to excel in the dynamic world of higher education.
- **Retention Strategies for Top Talent:** Retaining our valued employees is key. The university will create an environment that fosters career growth, competitive compensation and benefits packages, and ongoing learning and professional development opportunities. This fosters a culture of loyalty and motivates staff to contribute their talents to ACE DTBU's long-term success.
- **Continuous Improvement and Adaptability:** Regular assessments and refinements of HR practices are crucial. ACE is committed to ensuring its strategies remain aligned with the university's evolving needs, global best practices, and changing workforce trends.


Institutional Social Responsibility

Institutional Social Responsibility (ISR) signifies ACE DTBU's unwavering commitment to extending its positive influence beyond academic pursuits. This comprehensive approach encompasses community engagement initiatives, environmental sustainability practices, and adherence to the highest ethical standards.



15-Year Institutional Social Responsibility Plan Envisioning a Socially Responsible Future

ACE DTBU's 15-year plan solidifies its leadership in Institutional Social Responsibility (ISR). Through community partnerships, environmental stewardship, ethical conduct, and impactful initiatives, it aims to become a beacon of positive change. This commitment extends beyond academics, fostering a just and equitable society.



Phase 1: Building a Strong Foundation (Years 1-5)

Fostering Community Partnerships

ACE DTBU recognizes the importance of building strong relationships with the surrounding community. The university is committed to developing and enhancing **mutually beneficial programs** that address **local needs**.

Through close collaboration with community organizations, businesses, and individuals, it will foster **reciprocal relationships**. These partnerships will enrich both the university and the wider area, creating a vibrant and connected ecosystem.

Embracing Sustainability

Reducing ACE DTBU's environmental impact is a core priority. It will achieve this by implementing impactful sustainability initiatives. These initiatives will focus on:

- Adopting green practices
- Promoting energy conservation
- Minimizing waste

Furthermore, it is committed to raising environmental awareness within the campus community and surrounding areas.

Ethical Governance

Ethical practices and governance form the bedrock of ACE DTBU. It will develop and implement robust ethical policies to guide all decision-making, operations, and relationships within and outside the institution.

- Transparency, accountability, and responsible leadership will be the cornerstones of its endeavors.

Phase 2: Expanding Our Reach and Impact (Years 6-10)

Championing Social Causes

ACE DTBU is dedicated to **championing critical social issues** that align with its core values. The university believes that fostering awareness and igniting dialogue are essential for driving positive change.

The university will focus on:

- Promoting social issues that resonate with its values.
- Initiating impactful campaigns to raise awareness and educate the public.
- Developing educational programs that inspire positive action and social responsibility.

Collaborative Impact

Building strategic partnerships with like-minded organizations is crucial to amplify the social impact. ACE will actively collaborate with:

- NGOs
- Governmental bodies
- Industry stakeholders

Through this collaborative approach, it can leverage diverse expertise and resources to tackle societal challenges more effectively and create a lasting impact.

Educational Equity

ACE DTBU recognizes the importance of educational equity. The university will focus on expanding educational outreach to underserved communities. It aims to:

- Develop targeted programs that provide educational support and opportunities for underprivileged groups.
- Break down barriers to access by offering essential resources and promoting social mobility through impactful educational initiatives.



Phase 3: Leading the Way in Social Responsibility (Years 11-15)

Leading Social Innovation

ACE DTBU is committed to pioneering innovative solutions for social impact. It believes in piloting new models, leveraging technology, and developing impactful strategies to address social challenges effectively. It will focus on:

- Introducing innovative approaches to social responsibility.
- Piloting new models that address social needs in creative and efficient ways.
- Leveraging technology to amplify our social impact.

Scaling Impactful Solutions

Identifying and scaling successful initiatives is crucial for maximizing social footprint. The university will focus on:

- Evaluating existing programs to identify those demonstrating significant positive change.
- Scaling successful initiatives to reach more communities and create a broader social impact.

Adapting to Evolving Needs

Social responsibility requires continuous assessment and adaptation. The university will focus on:

- Regular reviews to ensure its strategies remain aligned with evolving community needs and emerging social issues.
- Refining its approach to stay at the forefront of institutional social responsibility and meet the highest global standards.

5.13 Governance Plan

In adherence to the established guidelines set forth by the University Grants Commission (UGC) for Deemed-to-be Universities, ACE DTBU will operate under a well-defined governance structure. This structure will be comprised of key governing bodies, including the Executive Council, Academic Council, Finance Committee, and Board of Studies. Each of these bodies plays a distinct and vital role in the effective administration and oversight of the university, as detailed in the following sections

Executive Council

As mandated by the University Grants Commission (UGC) guidelines for Deemed-to-be Universities, ACE DTBU establishes the Executive Council as its principal governing body. Led by the Vice Chancellor, the Council will comprise between 9 and 15 members, ensuring a diverse and effective leadership structure. The Council's primary responsibilities encompass:

- The Executive Council shall be vested with the comprehensive authority for managing and administering ACE DTBU. This includes oversight of all administrative functions within the university, encompassing any matters not explicitly delegated to other governing bodies.
- The Executive Council serves as the institution's ultimate authority for decision-making. This encompasses all matters of the university's operation, including academic affairs, administrative functions, personnel decisions, financial management, and developmental initiatives.
- By the University Grants Commission's (UGC) regulations and established rules for Deemed-to-be Universities, the Executive Council at ACE DTBU will exercise the following powers, in addition to its existing authorities:
 - Authorize the appointment of faculty positions, including Professors, Associate Professors, Assistant Professors, and Chairs, based on the recommendations of the designated Selection Committee. This authority extends to filling temporary vacancies within the academic staff.
 - to regulate and enforce discipline among employees by the rules.
 - Establish procedures for appointing guest faculty, including Visiting Professors, Emeritus Professors, Professors of Practice, Consultants, and Scholars. These procedures will also define the terms and conditions of such appointments.
 - To exercise additional powers and fulfill duties as conferred or imposed by the UGC's Regulations and the rules of the Institution Deemed-to-be University.

Academic Council

ACE Deemed-to-be University will establish the Academic Council as its leading academic body. Operating within the framework of the University Grants Commission's (UGC) regulations for Deemed-to-be Universities, the Council will assume a central role in coordinating and overseeing the university's overall academic policy.

- The Academic Council will exercise general oversight over ACE DTBU's academic policies. This includes providing guidance on instructional methods, coordinating teaching across departments, faculties, schools, and centres, evaluating research efforts, and driving continuous improvement in academic standards.
- The Academic Council will foster and promote collaboration across departments, faculties, schools, and centres. This includes establishing or appointing committees and boards to facilitate interdisciplinary coordination and address specific academic needs.
- The Academic Council will have the authority to deliberate on matters of broad academic interest. This initiative may be undertaken independently or upon referral from a department, faculty, school, centre, or the Executive Council. The Council will then take appropriate action in response.
- To prescribe courses/programmes of study leading to the degree and diploma of ACE DTBU.
- The Academic Council will oversee the development and implementation of examination procedures that adhere to all established regulations and bylaws.
- To maintain proper standards of the examinations.
- To recognize diplomas and degrees of universities and other Institutions and to determine equivalence with the diplomas and degrees of ACE DTBU.
- To institute Fellowships, Scholarships, Medals, Prizes, etc.
- To formulate regulations governing the academic operations of ACE DTBU. This includes establishing policies for admissions, examinations, awarding fellowships and scholarships, financial aid, student concessions, attendance requirements, disciplinary measures, and residence, etc.

- To conduct periodic reviews of departmental and centre activities. Based on these reviews, the Council will take appropriate measures to ensure the continued quality and improvement of instructional standards.
- To recommend the institution of teaching posts (Professors, Associate Professors, and Assistant Professors) to the Executive Council.
- To make recommendations to the Executive Council.
- To exercise any additional responsibilities and authorities as outlined in the established university rules.

Finance Committee

ACE establishes the Finance Committee as its primary financial oversight body. The Committee will be responsible for reviewing the institution's annual accounts and financial estimates, recommending the annual budget, and forwarding revised estimates to the Board of Management for approval. By University Grants Commission (UGC) guidelines, the Finance Committee will exercise the following powers and functions:

- Review and approve ACE DTBU's annual accounts and financial estimates for subsequent submission to the Board of Management.
- To consider and recommend the annual budget and revised estimates to the Board of Management.
- Establish annual spending parameters for both recurring and non-recurring expenditures, considering the university's income and available resources.

Board of Studies

Each Department/School of ACE DTBU shall have its own Board of Studies. Under the overall control and supervision of the Academic Council, the functions of each Board of Studies include approving research subjects for various degrees and other requirements of research degrees and making recommendations to the concerned School Board as prescribed by the Rules.

- Courses of studies
- Appointment of supervisors for research
- Measures for the improvement of the standards of teaching and research

DETAILS OF THE SPONSORING BODY

6

6.1 About Sponsoring Body

Name of Sponsoring Body:

Yadala Satyanarayana Memorial Educational Society (YSM Educational Society)

Headquarters:

YSME Society, 1st Floor, Jagannadha Block, Sy. No 175 & 181, Ankushapur(V),
Ghatkesar(M), Medchal Malkajgiri District, Hyderabad- 501301, Telangana

Registration No.: 1115 / 2006

Month/Year of Establishment

18 August, 2006

Name, Address, and Contact details of the Managing Person/ Trustee

Sri. Y.V. Gopala Krishna Murthy

General Secretary

YSM Educational Society

3-6-69/B/20/2, Avanthi Nagar Colony, Near Police Commissionerate Office,
Basheerbagh, Himayathnagar, Hyderabad- 500029

Contact: 7386529257

About Yadala Satyanarayana Memorial Educational Society (YSM Educational Society)

Founding and Evolution:

- The Institute was established as a lasting tribute to the memory of the late Sri. YADALA SATYANARAYANA, the beloved brother of Sri. Yadala Venkata Gopala Krishna Murthy, who serves as the Secretary of ACE Engineering College. Guided by the noble sentiment that "Make the world a living place for the worthy and the noble," this institution strives to honor the legacy of the great soul who inspired its creation. The founding principles and guiding vision of the Institute are firmly rooted in the virtues and values embodied by the esteemed individual it commemorates.
- Building on this impressive legacy, ACE Engineering College has rapidly grown since its inception from 2007, gaining affiliation with JNTU, Hyderabad and approval from AICTE, New Delhi. Driven by its commitment to academic excellence, the college continues to strive towards new heights, firmly on the path to further accomplishments that will cement its reputation as a premier engineering institution.

Growth and Expansion:

Since its inception in 2007, ACE Engineering College has experienced remarkable growth, evolving into a prestigious institution recognized for its commitment to academic excellence. The college has expanded its educational offerings, continually adapting to the changing demands of the industry and academia.

Under the leadership of Sri. Yadala Venkata Gopala Krishna Murthy, ACE Engineering College has broadened its scope beyond engineering to include a diverse range of academic disciplines. This expansion includes the introduction of new undergraduate programs in emerging fields such as Data Science, Artificial Intelligence, and Cybersecurity. These additions have not only enriched the academic portfolio of the college but have also attracted a broader spectrum of students from various backgrounds.

In addition to expanding its academic disciplines, ACE Engineering College has also made significant strides in research and innovation. The institution has established specialized research centres focusing on cutting-edge technologies and interdisciplinary studies. These centres are dedicated to fostering innovation and collaboration, providing students and faculty with opportunities to contribute to advancements in science and technology.

Geographically, the institution has extended its reach by establishing collaborations and partnerships with other universities and industries, both nationally and internationally. These alliances have facilitated student and faculty exchanges, joint research projects, and global exposure, further enhancing the college's reputation on the global stage.

ACE Engineering College's growth and expansion are a testament to its unwavering dedication to providing quality education, fostering innovation, and preparing students to excel in a rapidly evolving world. As the institution continues to build on its strong foundation, it remains committed to exploring new avenues for growth, ensuring that it stays at the forefront of engineering and technological education.

Profile of Founder

Sri Y.V. Gopala Krishna Murthy

The general secretary of the society, Sri Y.V. Gopala Krishna Murthy, is the founder of ACE Engineering Academy and ACE Engineering Education India Pvt. Ltd. Prof. Y.V. Gopala Krishna Murthy has an impressive educational and professional background. He graduated in Civil Engineering from the University College of Engineering Hyderabad and pursued his M.Tech in Structural Engineering from NIT, Warangal. He also received specialized training in building design from J.J. Associates in Hyderabad. Prior to founding his educational institutions, Prof. Murthy gained valuable work experience in the public sector. He worked as an Assistant Executive Engineer for the Panchayat Raj Engineering Department for two years and the R&B Department for another two years. He was then promoted to the role of Deputy Executive Engineer in the R&B Department, where he served for 10 years.

Today, Prof. Murthy is widely recognized as a versatile genius in training aspiring engineers for competitive exams like GATE, IES, and PSU examinations. Many of his students have gone on to secure prestigious positions in both the public and private sectors. Furthermore, under Prof. Murthy's leadership, the students of ACE Engineering Academy comprise a significant portion of the student population at elite institutions like the IITs and NITs. Prof. Murthy's technical expertise is also noteworthy, as he has designed over 200 major structures, including bridges, dams, flyovers, and multi-storied buildings. His extensive experience and exceptional abilities have made him a highly respected figure in the engineering community.

Profile of Key Management

- The Chairman of the YSME Society, **Dr. Y. Venkata Rao**, is a highly respected Senior Professor at a prestigious Medical College. His expertise and leadership have been instrumental in guiding the Society's activities and initiatives.
- The General Secretary, **Prof. Y.V. Gopala Krishna Murthy**, is the visionary founder of the renowned ACE Engineering Academy and ACE Engineering Education India Pvt. Ltd. He is widely recognized as a versatile genius in training aspiring students for prestigious examinations such as GATE, IES, and PSUs, helping them achieve their professional goals.
- **Smt. B. Vijaya Laxmi**, the treasurer of the society, holds a Bachelor of Education degree and is the founder of the acclaimed ACE Educational Academy. Her dedication and meticulous financial management have been crucial in the smooth functioning of the YSME Society.
- **Smt. Y. Sravani**, a B.Tech ECE graduate, plays a vital role in the backend key administration, ensuring the seamless coordination and execution of the Society's activities.
- **Sri. Y.V. Raghu Vamsi**, a B.S. in Mechanical Engineering from the prestigious University of Wisconsin - Madison, USA, is the founder of the innovative Edtech company, Frost Interactive Services Pvt. Ltd. (ACE Online). His expertise and entrepreneurial spirit have contributed to the advancement of educational technology and its impact on the YSME Society's initiatives.

Objectives of the Sponsoring Body

- To establish, manage, aid, and maintain educational and other institutions, to impart quality education and training at all stages for the promotion of Engineering, Medicine, Pharmacy, Agriculture, Commerce, Literature, Arts and Science and Management and other subjects and allied activities for the diffusion of useful knowledge and training, especially to instill self-confidence, creative thinking, and entrepreneurship in the students and trainees. To invest the surplus from these activities in imparting education, training, and health.
- To devise ways and means and accord facilities for candidates to specialize in all or any of the above subjects i.e. to develop centres of excellence for research in the above subjects with industrial orientation.

- To offer medical and clinical facilities to the needy by opening the necessary hospitals, appointing doctors, aiding clinical laboratories, and running, and maintaining homes, rehabilitation houses, etc, for the needy either by approaching such institutions or the Governments, including those of other countries, for donation of such equipment and the land and buildings necessary for locating such equipment and institutions and to take medical aid/ assistance from philanthropists.
- To offer consultancy services in any area directly or through the institutions owned and managed by the Society, without commercial motive.
- To carry on activities for any other charitable purposes and activities of General Public Utility.

Composition of Society/ Managing Committee

S No.	Name of the Member	Designation
1	Dr. Y Venkata Rao S/o Late Y. Subba Rao	CHAIRMAN
2	Y. Venkateswarlu S/o Late Y. Subba Rao	VICE CHAIRMAN
3	Dr. P.Ayub Khan S/o P. Ahamed Khan	VICE CHAIRMAN
4	Y.V.Gopala Krishna Murthy S/o Late Y.Subba Rao	GENERAL SECRETARY
5	M. Padmavati W/o M.V.U.M. Prasad	JOINT SECRETARY
6	B. Vijaya Laxmi W/o Y.V.Gopala Krishna Murthy	TREASURER
7	Ms. Y.Sravani D/o Y.V.Gopala Krishna Murthy	EXECUTIVE MEMBER
8	B. Savithramma W/o Late B.Ramaiah	EXECUTIVE MEMBER
9	Mr. Y V. Raghu Vamsi S/o Y.V.Gopala Krishna Murthy	EXECUTIVE MEMBER

Track Record of ACE Engineering College

Consistent Academic Excellence:

ACE Engineering College has consistently demonstrated academic excellence since its inception. The institution is known for its rigorous curriculum, which is regularly updated to meet industry standards and advancements in technology. Students from ACE Engineering College have consistently secured top ranks in university exams, reflecting the quality of education imparted.

Accreditation and Recognition:

The college has received programmatic accreditation from the National Board of Accreditation (NBA) and institutional accreditation of A grade from National Assessment and Accreditation Council (NAAC). The college is affiliated with Jawaharlal Nehru Technological University, Hyderabad (JNTUH). These accreditations are a testament to the college's commitment to maintaining high academic standards and providing a robust education framework.

NAAC ACCREDITATION

Cycle	Score	Grade	Year	Validity
Cycle -I	3.20	A	2017	02-05-2017 to 01-05-2022
Cycle -II (Extension of the validity period granted due to the transition to Autonomous College Status)	3.20	A	2022	Till 31-12-2025

NBA ACCREDITATION STATUS

Total No. Programmes Offered	Programmes Accredited by NBA
9	Number of Eligible UG Programmes for NBA Accreditation = 5 Number of UG Programmes Accredited = 5
	<u>Currently in IV Cycle</u> B.Tech. : Computer Science and Engineering B.Tech. : Electronics and Communication Engineering B.Tech. : Electrical and Electronics Engineering <u>Currently in II Cycle</u> B.Tech. : Mechanical Engineering B.Tech. : Civil Engineering

Experienced Faculty:

ACE Engineering College boasts a highly qualified and experienced faculty, many of whom hold doctoral degrees from reputed institutions. The faculty members are actively involved in research and contribute to the academic community through publications in national and international journals. Their expertise ensures that students receive in-depth knowledge and are exposed to the latest developments in their respective fields.

State-of-the-Art Infrastructure:

The college is equipped with state-of-the-art laboratories, modern classrooms, and well-stocked libraries, providing an ideal learning environment. The institution continuously invests in upgrading its infrastructure to ensure that students have access to the latest tools and technologies, fostering an environment conducive to learning and innovation.

Industry Collaboration and Placement Success:

ACE Engineering College has established strong ties with the industry, facilitating regular guest lectures, workshops, and internships for students.

• MoU with CYMAX INFOTAINMENT PVT LTD

Technology transfer and guidance involve sharing specialized knowledge and expertise between Cymax Infotainment and ACE Engineering College, aimed at enhancing technical skills, fostering innovation, and improving the overall educational experience for students.

- **MoU with ExcelR Solutions**

ExcelR Solutions is involved sharing in skill-based training, education, and research. ExcelR will deliver training on trending technologies and student internships, while promoting relevant courses and events.

- **MoU with Aptivex Solutions Pvt Ltd**

The agreement emphasizes cooperation between both parties, focusing on the effective utilization of intellectual capabilities. It includes providing industrial training, visits, and technical guidance to align with industry requirements, ensuring students gain practical insights and smooth transition into professional environments. This support fosters confidence and relevant skill development.

- **MoU with Sohan Academy of Human Excellence**

The agreement focuses on collaboration in technical and support guidance, including internships in AI and robotics, training programs, and establishing robotics labs. It emphasizes cooperative academic and research initiatives, aiming to enhance educational and practical experience for students while allowing both parties to enter similar agreements with others.

- **MoU with ChargeKart Pvt Ltd**

The agreement outlines cooperation in skill education and research through faculty exchange, student internships, and collaborative research projects. It emphasizes knowledge sharing, facilitating practical training opportunities, and supporting students in academic and professional development, including potential placement opportunities and industry-linked research initiatives.

The college's dedicated placement cell has a track record of securing placements for a significant percentage of its graduates in top companies, including multinational corporations. This focus on employability ensures that students are well-prepared to meet industry demands upon graduation.

Holistic Development and Extra-Curricular Activities:

In addition to academic rigor, the college places a strong emphasis on the holistic development of students. Various clubs, societies, and sports activities are encouraged to develop leadership, teamwork, and communication skills among students. The college has a vibrant campus life that nurtures creativity, critical thinking, and social responsibility.

Research and Innovation:

ACE Engineering College actively promotes research and innovation among its faculty and students. Its collaboration with PALS IIT Madras focuses on enhancing R&D activities through structured programs and competitions.

PALS coordinates and funds these initiatives, while the institution appoints senior faculty and coordinators to manage participation and student engagement. Physical programs involve shared costs, with ACEEC covering travel and lodging for participants, while PALS manages its team's expenses.

Additionally, ACEEC is responsible for facilitating infrastructure and communication. PALS also offers specialized seminars and access to IIT Madras resources, subject to availability, with additional charges for these extended services.

The college has set up research centres in various engineering disciplines and encourages participation in national and international conferences, fostering a culture of inquiry and problem-solving. The institution has received grants and funding for several research projects, further demonstrating its commitment to contributing to the broader scientific community.

Alumni Success:

The success of ACE Engineering College's alumni in various fields, both in India and abroad, is a reflection of the quality education they received. Alumni have excelled in higher education, research, entrepreneurship, and professional careers, contributing to the college's reputation as a leading institution for engineering education.

- **Vaave - An Alumni Engagement Platform:**

The proposal introduces Vaave, an Alumni Engagement solution designed to reconnect and build relationships among ACE Engineering College alumni. Vaave provides a comprehensive platform, including an alumni portal, mobile app, and a mentoring tool (Career Centre) that supports student development in placements, higher education, and entrepreneurship. The solution also offers professional services for managing alumni databases, running structured programs, and increasing alumni participation. The goal is to enhance alumni engagement, improve placements, boost employability, and support fundraising efforts. Pricing details for implementing this solution at ACE Engineering College are enclosed.

Milestones in ACE Engineering College's Journey

2007

AICTE Approval:

Received All India Council for Technical Education (AICTE) approval for the following courses:

- Electrical and Electronics Engineering (EEE)
- Electronics and Communication Engineering (ECE)
- Computer Science and Engineering (CSE)
- Information Technology (IT)

2009

Expansion of Academic Offerings:

Received AICTE approval to introduce the Civil Engineering program.

2011

Further Program Expansion:

Received AICTE approval to launch the Mechanical Engineering program.

2015

Accreditation Achievements:

Secured National Board of Accreditation (NBA) accreditation for 2 years for the following programs:

- Electrical and Electronics Engineering (EEE)
- Electronics and Communication Engineering (ECE)
- Computer Science and Engineering (CSE)

2017

Extended Accreditation and Recognition:

1. NBA accreditation extended for 1 year for the following programs:
 - Electrical and Electronics Engineering (EEE)
 - Electronics and Communication Engineering (ECE)
 - Computer Science and Engineering (CSE)
2. Achieved NAAC accreditation with an 'A' Grade for 5 years.
3. Secured AICTE-MODROBS Grant of Rs. 16,55,000 for the ECE department.
4. Secured AICTE-STTP Grant of Rs. 3,43,000 for the CSE department.

2018

Renewed Accreditation and Grants:

1. NBA accreditation renewed for 3 years for the following programs:
 - Electrical and Electronics Engineering (EEE)
 - Electronics and Communication Engineering (ECE)
 - Computer Science and Engineering (CSE)
2. NBA accreditation received for 3 years for the Mechanical Engineering program.
3. Secured AICTE-STTP Grants:
 - Rs. 3,93,333 for the ECE department.
 - Rs. 3,11,833 for the CSE department.
4. Secured AICTE-MODROBS Grant of Rs. 12,64,000 for the ECE department.

2019

Expanded Accreditation and Funding:

1. NBA accreditation received for 3 years for the Civil Engineering program.
2. Secured AICTE-FDP Grant of Rs. 4,85,000 for the CSE department.
3. Secured AICTE-STTP Grants:
 - Rs. 2,88,000 for the CSE department.
 - Rs. 3,04,667 for the ECE department.
4. Secured AICTE-MODROBS Grant of Rs. 6,07,843 for the EEE department.

2020

New Programs and Autonomy:

1. AICTE approval received for new programs:
 - CSE (Artificial Intelligence & Machine Learning)
 - CSE (Data Science)
 - CSE (Internet of Things)
2. Granted UGC-Autonomous status for 10 years.
3. NAAC accreditation extended until December 2025.
4. Awarded AICTE-Conference Grant of Rs. 3,00,000 for the CSE department.

2021

Continued Accreditation and Recognition:

1. NBA accreditation renewed for 3 years for the following programs:
 - Electrical and Electronics Engineering (EEE)
 - Electronics and Communication Engineering (ECE)
 - Computer Science and Engineering (CSE)
2. NBA accreditation extended for 1 year for the Mechanical Engineering program.
3. Recognized by AICTE under the LITE-50 category at the pan-India level, one of only six engineering colleges in the state to receive this recognition.

2022

Renewed Accreditation and Innovation:

1. NBA accreditation renewed for 3 years for the following programs:
 - Mechanical Engineering
 - Civil Engineering
2. Awarded AICTE-SPICES Grant of Rs. 1,00,000 for the CSE department.
3. Faculty published 15 patents, reflecting a strong focus on research and innovation.

2023

Grants and Innovation Achievements:

- Secured AICTE-ATAL FDP Grant of Rs. 3,50,000 for the CSE department.
- Faculty published 45 patents, showcasing significant growth in research output.

2024

Continued Excellence in Accreditation and Recognition:

1. NBA accreditation renewed for 3 years for the following programs:
 - Electrical and Electronics Engineering (EEE)
 - Electronics and Communication Engineering (ECE)
 - Computer Science and Engineering (CSE)
2. Rated AAA+ by Career 360 magazine at the national level.
3. Faculty published 15 patents, further cementing the institution's commitment to innovation and research excellence.

Expertise in Imparting Skills & Employability Training

1

Comprehensive Training Programs:

ACE Engineering College has developed a range of comprehensive training programs like Vihaan, Talentio, Smart Interviews, Being Zero, Myra, NASSCOM, Pega, Talent Sprint, Ebox, ACE Online, etc, designed to enhance students' skills and employability. These programs are integrated into the curriculum and focus on both technical skills specific to various engineering disciplines and soft skills necessary for workplace success.

2

Industry-Relevant Curriculum:

The curriculum is regularly updated in consultation with industry experts to ensure that students acquire the latest skills required by employers. This includes emerging technologies, industry best practices, and modern engineering tools that prepare students for the challenges of the professional world such as Cyber Security, Big Data & Cloud Computing, Machine Learning & Artificial Intelligence, Data Analytics, Internet of Things, Image Processing, 3D Printing, Robotic Process Automation (RPA), MATLAB, EV, Solar Energy etc.

3

Hands-on Learning and Workshops:

Practical learning is at the heart of ACE Engineering College's training methodology. The college regularly organizes workshops, hands-on training sessions, and lab exercises that allow students to apply theoretical knowledge in real-world scenarios. These initiatives help bridge the gap between academic learning and industry needs.

4

Collaboration with Industry Partners:

ACE Engineering College has established partnerships with leading companies and organizations to offer industry-certified training programs. These collaborations provide students with opportunities to work on live projects, internships, and industry-led courses, giving them a competitive edge in the job market.

5

Soft Skills Development:

Recognizing the importance of communication, teamwork, and leadership in the workplace, the college offers dedicated soft skills training. This includes modules on public speaking, group discussions, interview preparation, and professional etiquette, ensuring that students are well-rounded and job-ready.

The **Cambridge Business English Certificate (BEC)** examination was introduced at ACE Engineering College to enhance students' professional English skills. Initially targeted at a specific department, the program expanded due to interest from other departments. A rigorous training program, including additional classes and mock exams, prepared students for the BEC exam. The Speaking Test and Computer-Based Test were successfully conducted on campus, with positive feedback from examiners. The initiative not only improved students' employability but also set a benchmark for future participation, sparking interest across departments.

6

Placement Support and Career Counseling:

The college has a dedicated placement cell that works closely with students to identify their career goals and provide guidance on achieving them. Regular career counseling sessions, resume-building workshops, and mock interviews are conducted to prepare students for successful job placements. The placement cell's strong industry connections have resulted in high placement rates, with graduates securing positions in top companies.

7

Continuous Feedback and Improvement:

ACE Engineering College believes in continuous improvement and regularly gathers feedback from students and employers to refine its training programs. This ensures that the skills imparted are aligned with the evolving needs of the industry, keeping students ahead in the competitive job market.

Composition of Academic Council of ACE Engineering College

S No.	Name of the Member	Designation	Position
1	Dr. B.L. Raju	Principal, ACEEC	Chairman
2	Dr. AVSS Kumara Swami Gupta	Sr. Professor, Dept. of ME, JNTUH UCES&T, Hyd.	Member, Nominee of JNTUH
3	Dr. M.T. Naik	Professor and Coordinator Energy Systems, CES, Dept. of ME, JNTUH UCES&T, Hyd.	Member, Nominee of JNTUH
4	Dr. S. Venkateswara Rao	Professor of Physics, HOD & Chairman BoS in Physics, JNTUH CEH, Hyd.	Member, Nominee of JNTUH
5	Prof. V Rama Rao	Consultant TAFRC	External Member
6	Dr. L Pratap Reddy	Professor of ECE, JNTUH CEH	External Member
7	Dr. Kakarla Subba Rao	Professor (Retd), Dept of ECE, OUCE, OU	External Member
8	Dr. Ganti Krishna Sharma	Professor of CSE & Controller of Examinations	Member Secretary
9	Dr. M. Sridevi	Assoc. Professor & Head - Civil, ACEEC	Internal Member
10	Dr. S. Mani Kuchibhatla	Assoc. Professor & Head - EEE, ACEEC	Internal Member
11	Mr. C. Venkatesh	Assoc. Professor & Head - MECH, ACEEC	Internal Member
12	Dr. P Satish Kumar	Professor & Head - ECE, ACEEC	Internal Member
13	Dr. M.V. Vijaya Saradhi	Professor & Head - CSE & Head - CSE(IoT), ACEEC	Internal Member
14	Prof. K. Jaya Bharathi	Professor & Head- IT, ACEEC	Internal Member
15	Dr. S. Kavitha	Assoc. Professor & Head - CSE (AI&ML), ACEEC	Internal Member
16	Dr. P Chiranjeevi	Assoc. Professor & Head -CSE (DS), ACEEC	Internal Member
17	Dr. R. Suresh	Assoc. Professor & Head - AI&DS, ACEEC	Internal Member
18	Dr. K. Prem Kumar	Assoc. Professor & Head - AI&ML, ACEEC	Internal Member
19	Mr. J Balasekhar	Assoc. Professor & Head - H&BS, ACEEC	Internal Member
20	Dr. Y. Chakrapani	Professor of ECE, ACEEC	Internal Member
21	Mr. P. Nagaraju	Assoc. Professor, Maths, ACEEC	Internal Member
22	Dr. T. Srinivasa Rao	Assoc. Professor of CSE, Director, TPC	Internal Member

6.2 Land Ownership and Existing Infrastructure

At ACE, the sprawling 12-acre campus serves as a foundation for its pursuit of academic excellence and long-term sustainability. With approximately 440,000 square feet of constructed area dedicated to both academic and non-academic infrastructure, the university has strategically designed its facilities to foster interaction, collaboration, and a deep sense of belonging for students, faculty, and staff.

The vast campus allows for future-oriented development, with room to expand infrastructure to meet the needs of evolving academic programs and a growing student body. This ensures the university can continuously adapt and innovate in its academic offerings. By optimizing resource allocation within the expansive campus, the university prioritizes sustainable development practices and builds a financially stable future.

Moreover, the thoughtfully developed campus environment embodies the values and vision of ACE DTBU. The infrastructure reflects sponsoring body's commitment to creating a beautiful, functional, and inspiring space that fosters pride and academic achievement. Through strategic management of its campus, ACE DTBU lays the groundwork for a thriving academic community that will continue to flourish for generations to come.



6.3

Financial sustainability and corpus fund being created in the name of the Proposed Institution

ACE prioritizes achieving long-term financial stability. This will be secured through the generation of a positive operational surplus. As reflected in the provided Balance Sheet, ACE DTBU projects a positive Net surplus beginning in year five of operation. However the university will have positive operating surplus from 1st year onwards.

To further solidify its financial foundation, the university plans to establish a dedicated corpus fund of Rs. 25 crores, funded by contributions from the Sponsoring Body. The income generated from strategically investing in this corpus will be exclusively used to support ACE's further development.

Balance Sheet	Phase 1 (INR Lakh)					
	Pre-op	Y1	Y2	Y3	Y4	Y5
Assets						
Fixed Assets						
Land for University	-	-	-	-	-	-
University Building	-	1,353	2,508	4,164	6,100	7,090
Hostel Infrastructure	-	-	1,557	3,194	4,912	5,515
Faculty & Staff Accommodation	-	-	-	-	-	-
Furnishing (Furniture, fittings & fixtures)	-	330	605	990	1,430	1,650
Equipment	103	528	980	1,596	2,042	2,586
Others Assets	716	744	771	799	826	854
Total Assets	819	2,955	6,420	10,742	15,309	17,695
Less: Accumulated Depreciation	(39)	(585)	(1,442)	(2,698)	(4,339)	(6,055)
Net Fixed Assets	781	2,370	4,978	8,043	10,970	11,640
Current Assets						
Cash	89	205	756	604	1,285	2,140
Other Assets						
Corpus Fund Investments	2,500	2,500	2,500	2,500	2,500	2,500
Total Assets	3,369	5,075	8,234	11,147	14,755	16,279
Liabilities						
Sponsoring body's contribution	1,700	2,400	3,800	4,800	5,800	5,800
Outstanding term loans	1,700	2,400	3,630	4,390	5,010	4,530
Students' security deposits	-	532	1,349	2,294	3,283	3,794
Retained Earnings						
Opening balance	-	(31)	(257)	(545)	(336)	663
Net surplus for the year	(31)	(227)	(288)	209	999	1,493
Net Retained Earnings	(31)	(257)	(545)	(336)	663	2,156
	-	-	-	-	-	-
Total Liabilities	3,369	5,075	8,234	11,147	14,755	16,279

In Phase one the University will build new academic blocks and student hotels to accommodate the increasing number of students.


In Phase two the university will start upgrading the current existing infrastructure and will purchase new plots/land for new off-campus within the country.

Balance Sheet	Phase 2 (INR Lakh)				
	Y6	Y7	Y8	Y9	Y10
Assets					
Fixed Assets					
Land for University	-	-	-	-	3,000
University Building	7,343	7,343	7,343	7,343	12,293
Hostel Infrastructure	5,515	6,180	6,180	6,180	6,180
Faculty & Staff Accommodation	891	1,406	1,663	2,039	2,158
Furnishing (Furniture, fittings & fixtures)	1,705	1,705	1,705	1,705	1,705
Equipment	3,008	3,254	3,589	3,920	4,027
Others Assets	881	909	936	964	991
Total Assets	19,343	20,796	21,415	22,150	30,354
Less: Accumulated Depreciation	(7,758)	(9,427)	(10,963)	(12,400)	(14,181)
Net Fixed Assets	11,586	11,369	10,452	9,750	16,173
Current Assets					
Cash	3,084	4,188	6,214	8,329	3,060
Other Assets					
Corpus Fund Investments	2,500	2,500	2,500	2,500	2,500
Total Assets	17,169	18,056	19,165	20,579	21,733
Liabilities					
Sponsoring body's contribution	5,800	5,800	5,800	5,800	5,800
Outstanding term loans	3,950	3,370	2,790	2,210	1,630
Students' security deposits	4,025	4,092	4,114	4,114	4,114
Retained Earnings					
Opening balance	2,156	3,395	4,794	6,461	8,455
Net surplus for the year	1,239	1,399	1,667	1,993	1,734
Net Retained Earnings	3,395	4,794	6,461	8,455	10,189
	-	-	-	-	-
Total Liabilities	17,169	18,056	19,165	20,579	21,733

The sponsoring body will continue to invest in upgradation of existing infrastructure in Phase 3 and will have plans to buy additional land for expansion of the University.


Balance Sheet	Phase 3 (INR Lakh)				
	Y11	Y12	Y13	Y14	Y15
Assets					
Fixed Assets					
Land for University	3,000	6,000	6,000	10,000	10,000
University Building	17,243	17,243	19,223	20,873	23,183
Hostel Infrastructure	6,180	6,180	6,180	6,180	6,180
Faculty & Staff Accommodation	2,158	2,158	2,158	2,158	2,158
Furnishing (Furniture, fittings & fixtures)	1,705	1,705	1,705	1,705	1,705
Equipment	4,125	4,222	4,326	4,418	4,513
Others Assets	1,019	1,046	1,074	1,101	1,129
Total Assets	35,429	38,553	40,665	46,435	48,867
Less: Accumulated Depreciation	(16,259)	(18,114)	(19,975)	(21,807)	(23,682)
Net Fixed Assets	19,170	20,439	20,690	24,628	25,185
Current Assets					
Cash	1,054	1,401	3,211	1,721	3,879
Other Assets					
Corpus Fund Investments	2,500	2,500	2,500	2,500	2,500
Total Assets	22,724	24,339	26,401	28,849	31,564
Liabilities					
Sponsoring body's contribution	5,800	5,800	5,800	5,800	5,800
Outstanding term loans	1,050	640	300	100	-
Students' security deposits	4,114	4,114	4,114	4,114	4,114
Retained Earnings					
Opening balance	10,189	11,760	13,785	16,187	18,835
Net surplus for the year	1,571	2,025	2,402	2,648	2,815
Net Retained Earnings	11,760	13,785	16,187	18,835	21,650
	-	-	-	-	-
Total Liabilities	22,724	24,339	26,401	28,849	31,564

8. That the proposed Deemed to be University shall abide by all the provisions of the UGC Act, 1956 and the rules and regulations made under the said UGC Act including the UGC (Institutions Deemed to be Universities) Regulations 2023.

DEPONENT(S)
Yadala Satyanarayana
Memorial Educational Society

General Secretary

VERIFICATION:

VERIFIED at Hyderabad on this day of 13th day of August 2024 that the contents of the above said affidavit are true and correct to the best of my knowledge and belief and nothing material has been concealed therefrom.

DEPONENT(S)
Yadala Satyanarayana
Memorial Educational Society

General Secretary



ATTESTED

P. ANIL KUMAR
B. Sc., B. L.,
ADVOCATE & NOTARY
Regd. No: 5766
Appointed by Govt. of India
1-7-181, BAKARAM, HYDRABAD,
HYDRABAD, TELANGANA

3 AUG 2024

6.5

A letter of commitment from the respective Government in the case of institutions that are fully or partially funded by the State or Central Government

The proposed institution is not funded by the state or central government; hence, this requirement is not applicable.



