



VIGNAN'S

FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH

(Deemed to be University) - Estd. u/s 3 of UGC Act 1956

THE NEW "ECM" FORMAT

1.

60:40 RULE

2.

DEVELOPMENTAL

3.

STRATEGIC



VFSTR • EXECUTIVE COUNCIL • 30th MAY 2026

Strategic Horizons: Defining the Future of the University



Dr. Meghana Koorapati M.S, F.P.O.S

CEO, VFSTR

CONFIDENTIAL

Maturity Model - Where we are....

5 Optimizing – Continuous Improvement

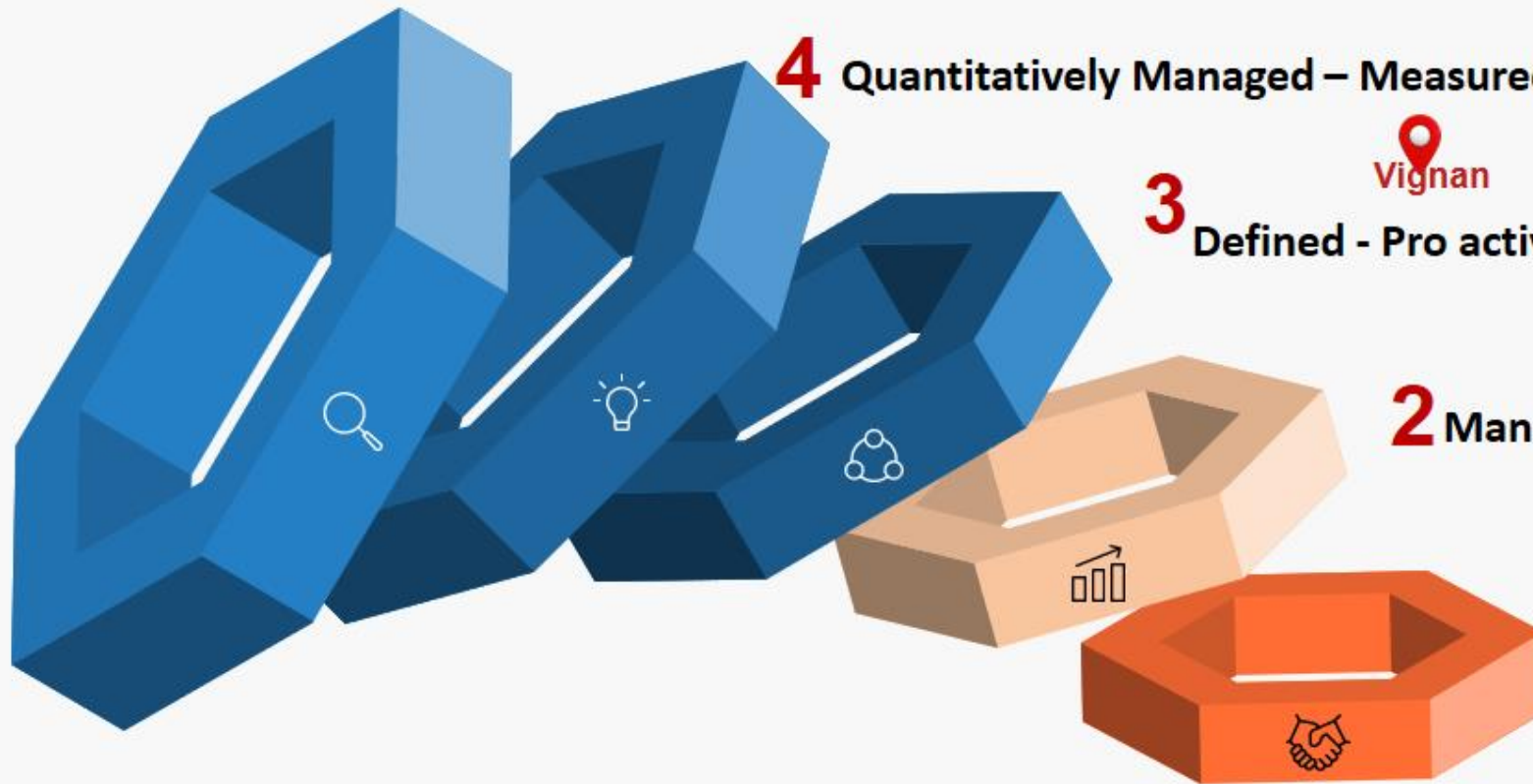
4 Quantitatively Managed – Measured & Controlled

3 Defined - Pro active


Vignan

2 Managed - Reactive

1 Initial - Unpredictable



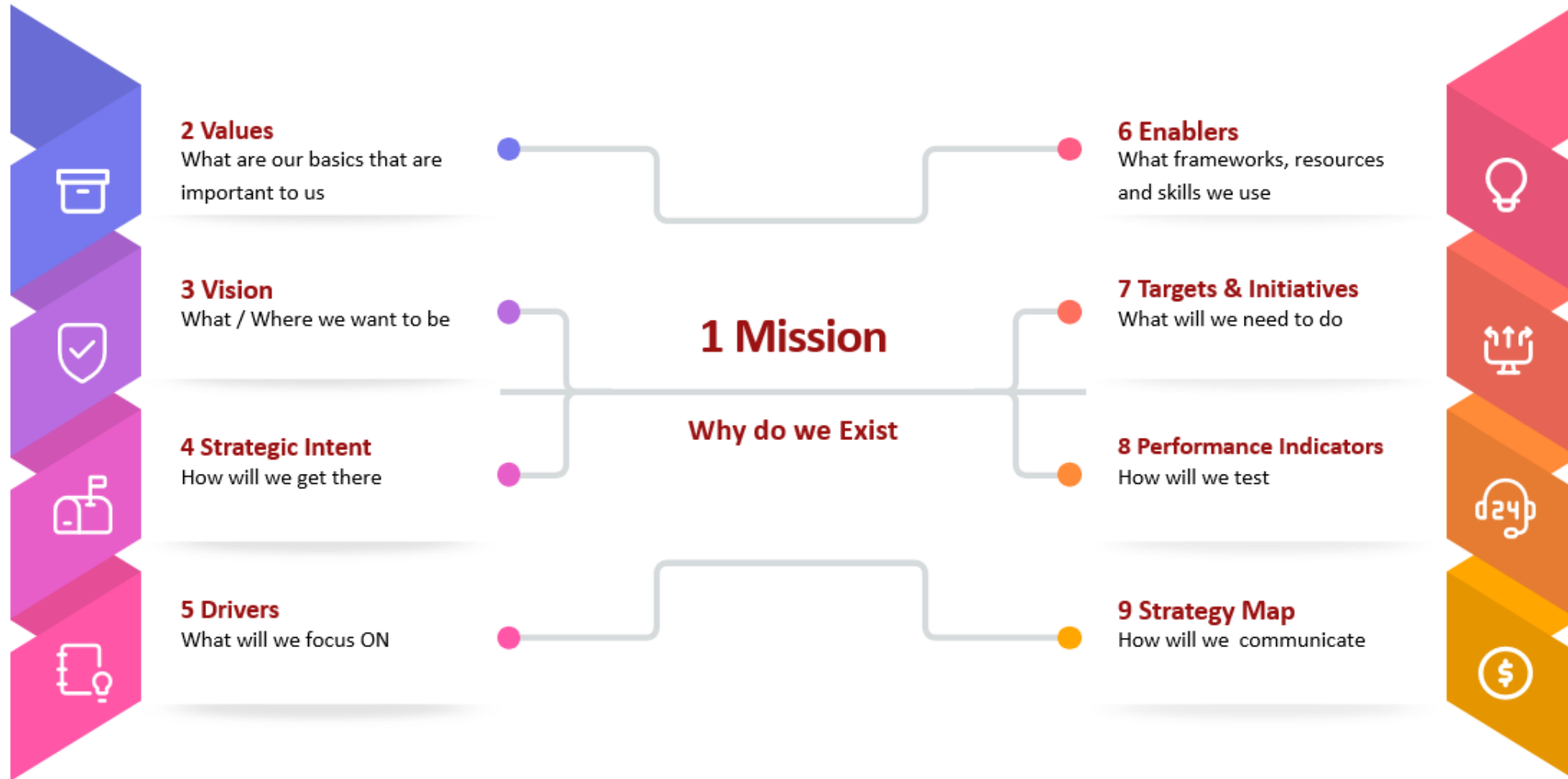
The 2 Strategies

Purpose-Driven Culture

Leadership Ecosystem



Purpose-Driven Culture



1-3 Purpose || 4-6 Strategy || 7-9 Execution

Leadership Nurturing

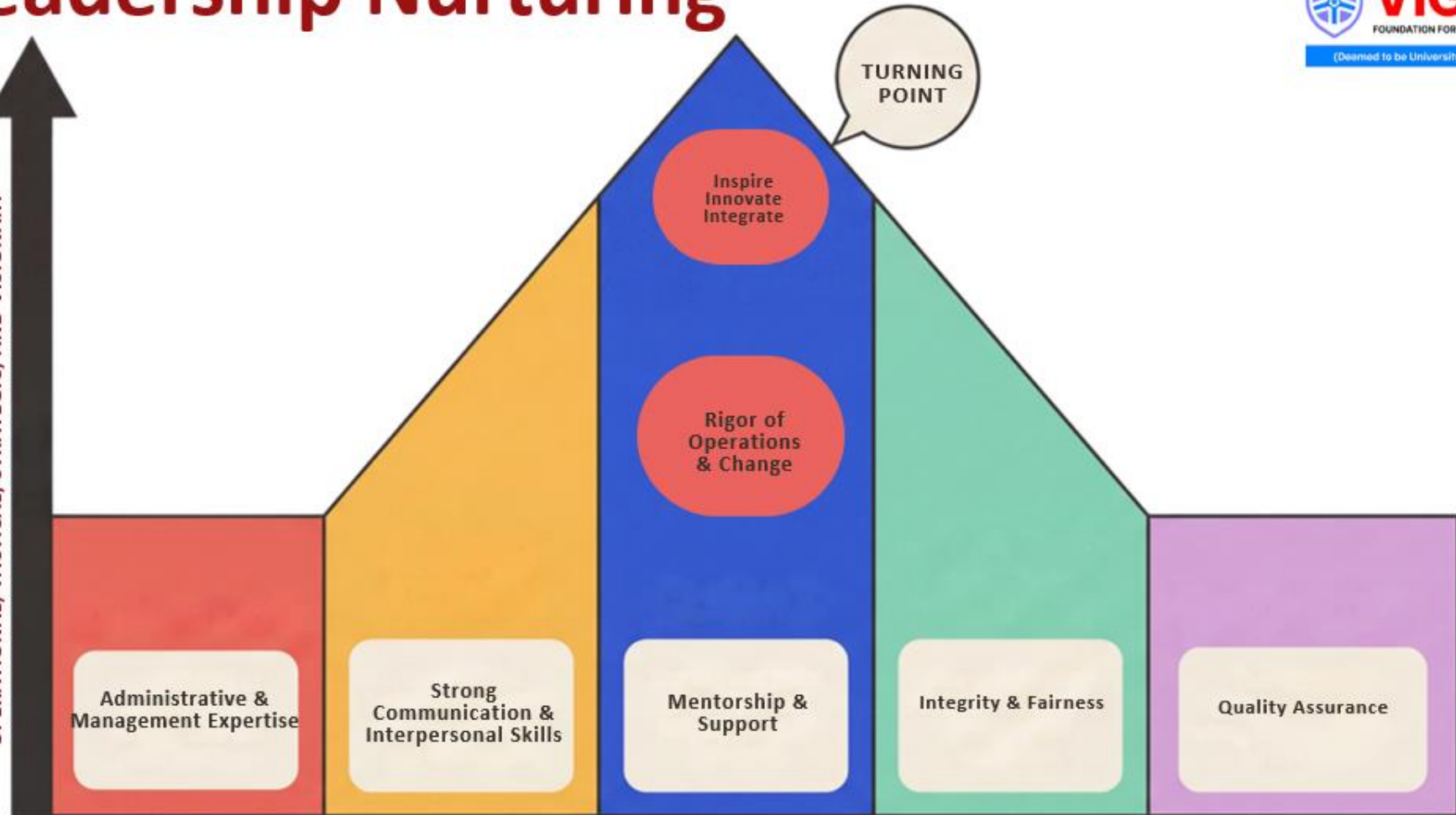
Visionary
Chancellor
Chairman
Vice Chairman
VC
EC & Advisory
80% Chang
20% RUN

Strategic
CEO
VC
Registrar
Functional Deans
BOS
40% Change
60% RUN

Tactical
HODs
School Deans
80% RUN
20% Change

Operational
Teaching Staff
Non-Teaching Staff
100% RUN

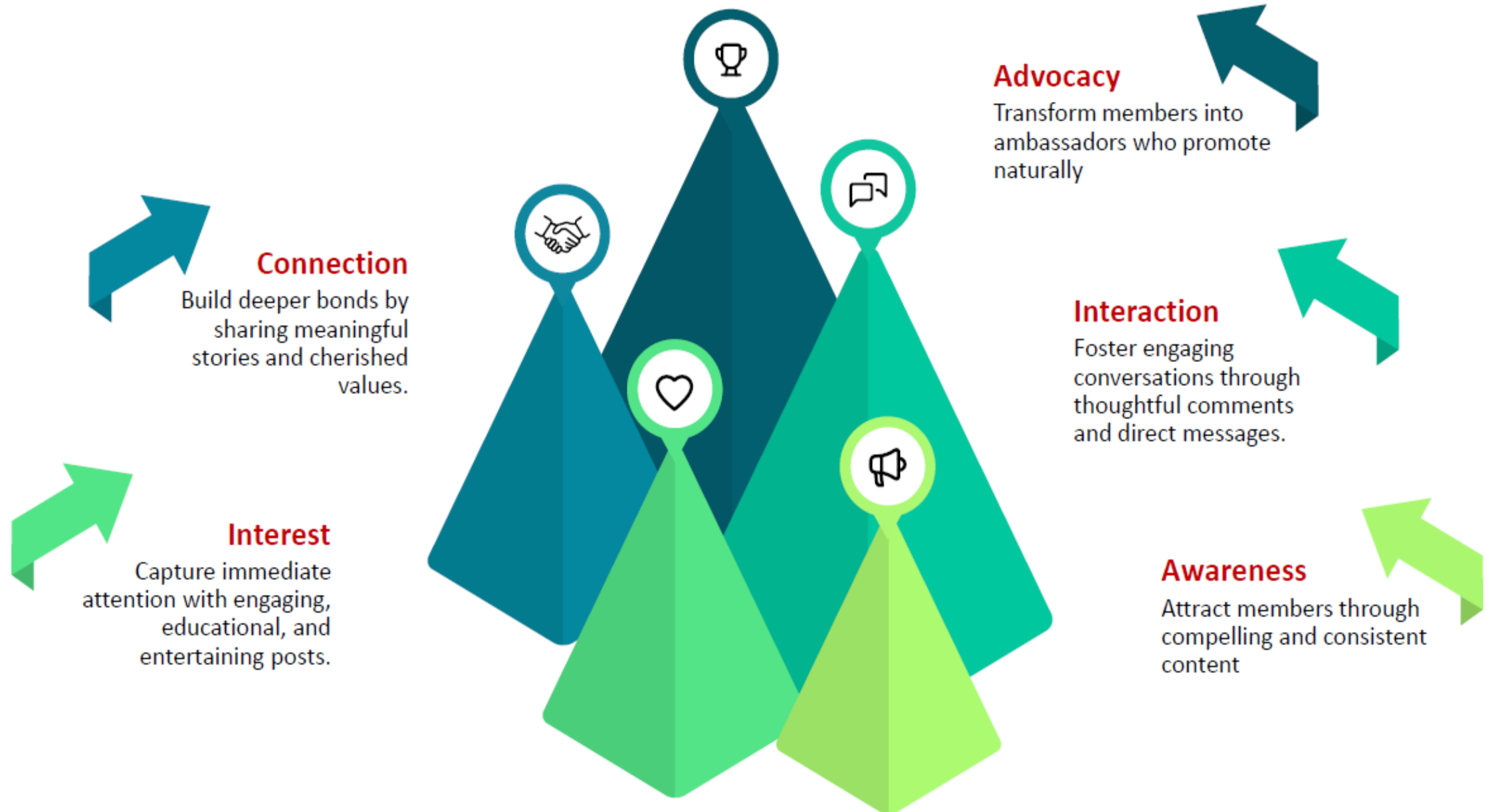
OPERATIONAL, TACTICAL, STRATEGIC, AND VISIONARY



Passion & Rigor



Engagement Process



The 4 Highlights

Agentic Vignan

A Blueprint for Future and Survival

Policy Architecture

Governance and Systems driving the University Operations

Performance Management

Balanced Scorecards for Personal, Professional & Institutional Excellence

Organizational Structuring

Deploying the Optimal Structure

THANK YOU ALL

Dr.Meghana Koorapati



V F S T R • E X E C U T I V E C O U N C I L • 3 0 th M A Y 2 0 2 6

AGENTIC VIGNAN

Transforming Education, Research & Institutional Intelligence

P R E S E N T E D B Y

Dr. Jyostna Devi Bodapati

Associate Professor • Advanced Computer Science and Engineering Department, VFSTR

Why Agentic Vignan – Why Now?



VIGNAN'S

FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH

(Deemed to be University) - Estd. u/s 3 of UGC Act 1956

Transforming Education, Research & Institutional Intelligence



WHY NOW?



FUTURE-READY EDUCATION



RESEARCH & INNOVATION



INTELLIGENT OPERATIONS



SUSTAINABLE INSTITUTIONAL GROWTH

Institutional Readiness: Faculty & Student Voices

Institutional readiness survey · by faculty, by students

STUDENTS · 10,077 respondents

Eager, Practical, Ambitious

82.6%

Find AI is highly
beneficial

96.5%

Have used
AI tools

47.0%

Rate VFSTR AI
platform 4 or 5

WHAT STUDENTS ARE ASKING FOR

- ▶ AI across all departments
- ▶ Practical over theory
- ▶ Industry alignment & infrastructure integration

FACULTY · 553 educators

Convinced, but Under-Equipped

87.9%

Believe AI improves
teaching

34.2%

Have Integrated
AI into classrooms

81.6%

High interest in
structured training

WHAT FACULTY ARE ASKING FOR

- ▶ Hands-on FDPs
- ▶ Infrastructure & licenses
- ▶ Domain-specific & interdisciplinary AI



Strategic Execution Model

A structured, coordinated model to drive AI adoption at scale

AI ADOPTION TRACKS

TRACK 1



CURRICULUM, TRAINING & ASSESSMENT

AI-integrated curriculum, training & assessments

TRACK 2



INFRASTRUCTURE

AI-ready compute, cloud & data infrastructure

TRACK 3



INDUSTRY COLLABORATION

Partnerships, CoEs & external collaborations

TRACK 4



FACULTY TRAINING & ADOPTION

Faculty enablement through training & AI tools

TRACK OWNERS



Provide strategic direction and oversight



Approvals, partnerships and resources



Institutional coordination and monitoring



Institutional AI Governance

AI CHAMPIONS NETWORK



40+ AI Champions across departments



Department AI integration plans



Peer-to-peer enablement



COORDINATED APPROACH



TOP-DOWN STRATEGY



BOTTOM-UP ADOPTION

AI Adoption Ecosystem at VFSTR

Connecting students, faculty, research and institutional transformation

STUDENTS

Competency Framework

AI Explorer → AI Analyst → AI Systems Engineer → AI Innovator

FACULTY

Transformation Framework

Learn → Apply → Build → Innovate → Lead

RESEARCH SCHOLARS

AI Adoption

Assist → Execute → Innovate

ADMINISTRATION


















Smart Institution

Digitize → Automate → Optimize → Predict

Every individual at VFSTR Co-works with AI

AI Adoption is Institutional, not role-specific

STUDENT COMPETENCY FRAMEWORK – AGENTIC TALENT

LEVEL	AI COMPETENCY LEVEL	BADGE	COURSES / MODULES		TARGET GROUP	
LEVEL 1	AI Foundations Build AI literacy, computational thinking, and AI-assisted productivity skills.		AI Tools & Productivity 	Programming Essentials  Build a core foundation in Python Programming Essentials as a prerequisite for all future AI development.	 All Students	
LEVEL 2	AI-Driven Data Science Analyse data and build predictive models for data-driven decision making.		Data Science & Visualisation 	Machine Learning Foundations 	 Majority of Students	
LEVEL 3	Applied AI & Domain Excellence Apply AI techniques within domain-specific contexts and problems.		TRACK 1: Applied AI & Domain Excellence (General) 	TRACK 2: AI Systems Engineering (SoCI Track) 	 SoCI + Interested Students	
LEVEL 4	AI Engineering & Research Excellence Architect, deploy, and optimize scalable AI systems while contributing to research and innovation.		Multi-Agentic Systems & LLM Engineering 	AI Optimisation & Deployment 	Responsible AI, XAI & Security 	 SoCI + Interested Students



From AI Literacy to AI Leadership

every student become AI-capable.

Students with deeper interest can evolve into



AI Engineers



AI Innovators



Future AI Leaders

SYSTEMATIC CURRICULUM ENRICHMENT

1

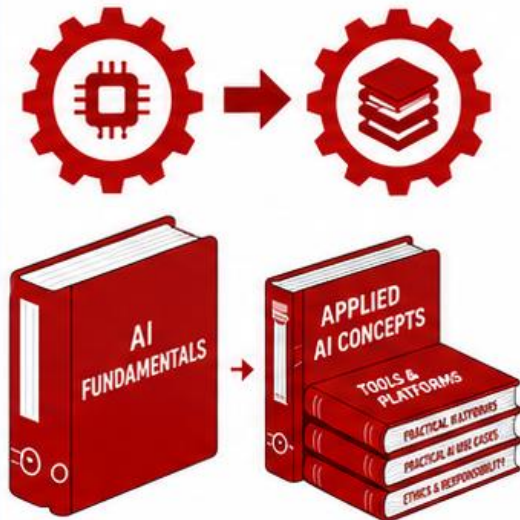
AI COMPETENCY MAPPING



Identify required AI competencies (LLM, ML, DS, etc.) across disciplines and levels.

2

CURRICULUM INTEGRATION



Embed targeted AI components into core and elective syllabi.

3

STAKEHOLDER VALIDATION



Validate curriculum through feedback from faculty, students, alumni, and industry experts.

4

BoS APPROVAL



Secure formal approval from the Board of Studies (BoS) for the finalized updates.



AI-Ready Graduates for the Future



Disciplines Enriched with AI Capability



Collaborative Academic Governance



























Industry-Relevant & Future-Focused



Institutional Excellence through Innovation

Mapping the Extent of AI Competency Levels Across Disciplines

DISCIPLINES	AI COMPETENCY LEVELS IN CURRICULUM (Extent of Coverage)				OVERALL AI MATURITY (DEPT. LEVEL)
	LEVEL 1 AI Foundations (AI Literacy)	LEVEL 2 Domain AI (Application)	LEVEL 3 AI Systems (Implementation)	LEVEL 4 AI Research & Innovation (Advanced Track)	
 Artificial Intelligence, Machine Learning & Data Science (AIML & DS)	100%	95%	90%	80%	 High
 Computer Science & Engineering (CSE)	100%	95%	85%	75%	 High
 Information Technology (IT)	100%	90%	80%	70%	 High
 Electronics & Communication Engg. (ECE)	100%	90%	75%	60%	 High
 Electrical & Electronics Engg. (EEE)	100%	80%	60%	45%	 Moderate
 Mechanical Engineering (ME)	100%	80%	65%	50%	 High
 Civil Engineering (CE)	100%	70%	50%	35%	 Moderate
 Automobile Engineering (AE)	100%	70%	50%	35%	 Moderate
 Chemical Engineering	100%	70%	50%	30%	 Moderate
 Biotechnology Engineering	100%	75%	50%	30%	 Moderate
 Pharmacy (B.Pharm)	100%	75%	50%	30%	 Moderate
 Psychology	100%	60%	40%	25%	 Emerging



AI literacy (Level 1) is fully integrated across all disciplines, while **advanced research and innovation (Level 4)** show strong penetration in core technology domains.

Expert Validation & BoS Endorsement



VIGNAN'S

FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH

(Deemed to be University) – Estd. u/s 3 of UGC Act 1956

Strong academic validation for AI-integrated curriculum transformation



Departments Covered

26

across all schools



Programs Reviewed

50+



External BoS Members

100+

members

EXPERT VALIDATION – SELECT COMMENTS

“

“AI-integrated curriculum with ML, DL, CV, NLP, GenAI, Responsible AI and Agentic AI is well-structured and future-ready.”



Prof. Arun Agarwal
University of Hyderabad

“

“I hereby approve the C 26 curriculum modifications as discussed and recommend proceeding with further necessary formalities.”



Prof. M. V. Kartikeyan
Director, IIIT Kanchipuram

“

“I hereby approve the modifications in the course structure.”



Prof. R. Bala Venkata Subramanyam
NIT, Warangal

DOMAIN-LEVEL CURRICULUM HIGHLIGHTS



Agriculture

AI tools for intelligent farming & decision support



Law

GenAI integration for legal analysis & research



Electronics & Communication

AI-driven RF, predictive maintenance & edge AI



PROMPT ENGINEERING – INTEGRATED FOR ALL STUDENTS

Prompt Engineering has been integrated into the earlier Technical English Competency Course as an enhancement, and will be offered to all students across all programs.

APPRECIATED BY BoS MEMBERS

- ✓ Essential AI literacy competency
- ✓ Supports responsible GenAI usage
- ✓ Enhances critical thinking & creativity
- ✓ Relevant across disciplines



INSTITUTION-WIDE ACADEMIC ENDORSEMENT FOR AI-INTEGRATED CURRICULUM TRANSFORMATION

ACADEMIC COUNCIL – EXTERNAL MEMBERS GLIMPSES



















Key appreciations, recommendations, and strategic guidance on institutional AI adoption



45th Academic Council Meeting

| 11th April 2026

| VFSTR

 EXTERNAL MEMBER	 APPRECIATIONS	 RECOMMENDATIONS / SUGGESTIONS
 Prof. Sreenivasa Kumar IIT Madras	 <ul style="list-style-type: none">• Commendable initiative towards AI adoption.• Appreciated the interdisciplinary direction.	 <ul style="list-style-type: none">• Strengthen fundamentals (coding, math, data structures).• Ensure practical and hands-on AI learning.
 Dr. Shanti Swaroop MathWorks, Hyderabad	 <ul style="list-style-type: none">• Appreciated the curriculum modernization.• Good focus on research orientation.	 <ul style="list-style-type: none">• Focus on industry-relevant applications.• Implement AI with clear outcomes and continuous evaluation.
 Dr. T. D. Rama Krishna CEO, Efftronics	 <ul style="list-style-type: none">• Excellent step towards future readiness.• Appreciated the institutional vision.	 <ul style="list-style-type: none">• Emphasize practical exposure and internships.• Strengthen industry linkages and placement readiness.
 Prof. Debi Prasad Mishra IIITR, Kolkata	 <ul style="list-style-type: none">• Appreciated the structured approach.• Good initiative for building AI competencies.	 <ul style="list-style-type: none">• Promote interdisciplinary AI integration.• Strengthen research ecosystem and publications.
 Dr. K. Subbarangaiah VEDA IIT	 <ul style="list-style-type: none">• Appreciated institution-wide AI adoption strategy.• Positive approach towards skill development.	 <ul style="list-style-type: none">• Implement AI in a phased manner.• Ensure adequate infrastructure and faculty readiness.



OVERALL OBSERVATION

“The external members appreciated VFSTR’s structured and forward-looking AI transformation initiative while emphasizing strong foundations, practical implementation, ethical adoption, and sustainable scaling.”



FACULTY CAPABILITY DEVELOPMENT FRAMEWORK



VIGNAN'S

FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH

(Deemed to be University) - Estd. u/s 3 of UGC Act 1956



LEARN

Build AI awareness and foundational literacy



APPLY

Apply AI tools in teaching, research and operations



BUILD

Design and build AI-enabled solutions and resources



INNOVATE

Lead research and interdisciplinary innovation



LEAD

Mentor, scale and drive institutional AI transformation

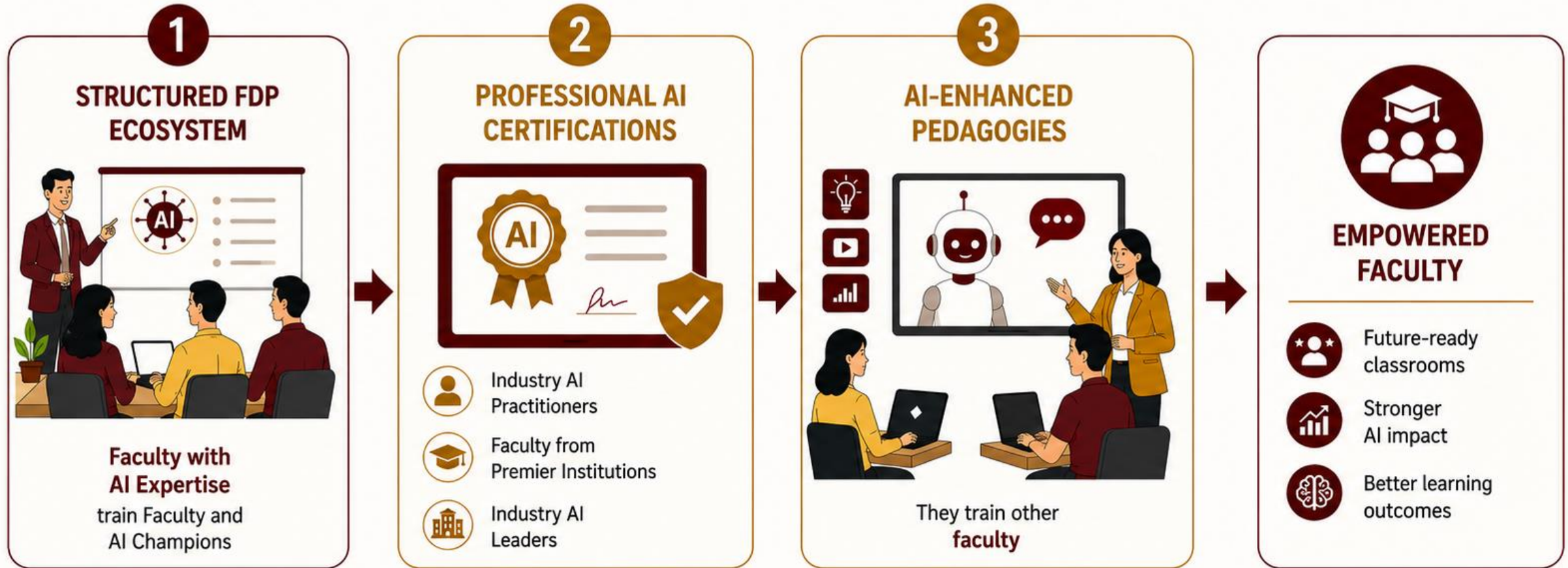


STRATEGIC OUTCOME



Empowered faculty driving AI-native education, research excellence and institutional transformation.

FACULTY ENABLEMENT & AI CAPABILITY BUILDING



Together, we build a future-ready academic community.

FACULTY TRAINING STRATEGY

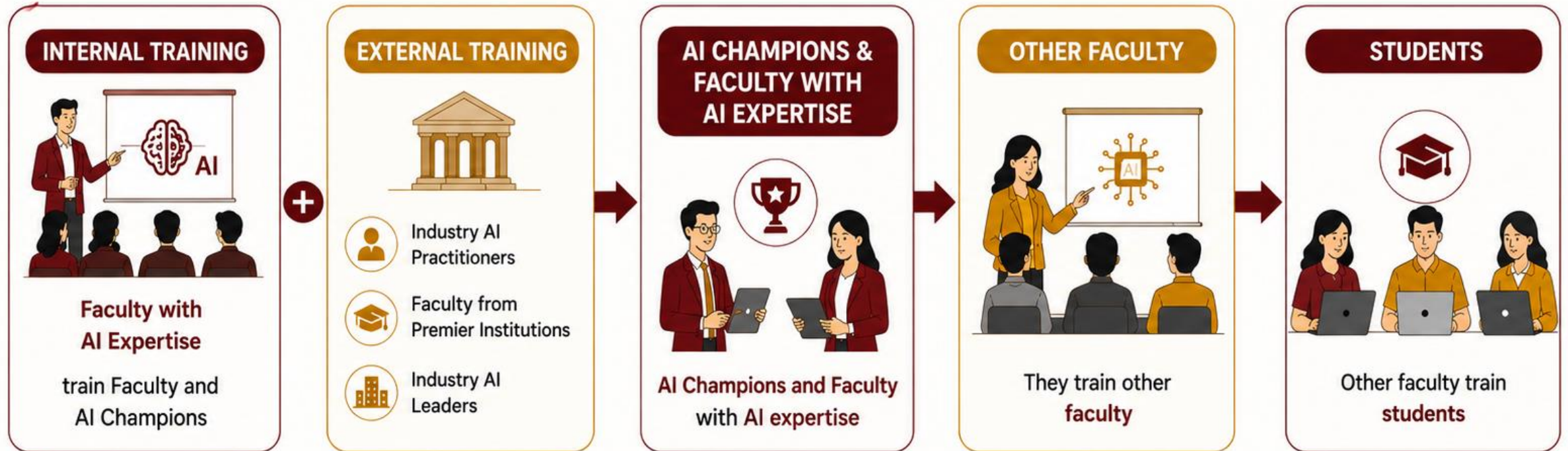


VIGNAN'S

FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH

(Deemed to be University) - Estd. u/s 3 of UGC Act 1956

A cascaded training model: Champions train faculty; faculty train students



PARALLEL



Multiplies expertise within the institution



Builds in-house AI capability



Creates a sustainable training ecosystem



Empowers students with AI skills

Smart Institution Operations

AI-enabled administration, analytics and student support ecosystem

Administrative Activities

Efficient · Transparent · Intelligent

- **Workflows**
- **AI-powered reports & insights**
- **Dashboards (real-time analytics)**
- **Automated grievance routing & tracking**

AI Assistants and Chatbots

Understand · Support · Empower

- **24x7 Interactive Chatbots**
- **Personalized academic & career guidance**
- **Personalized Interviews**
- **AI Tutors**


• **Operational Excellence** • **Faster Response** • **Improved Student Experience** • **Data-Driven Governance**


INFRASTRUCTURE, RESOURCES & FACILITIES


Foundational ecosystem enabling scalable AI-driven education, research, and institutional innovation


1 AI COMPUTE INFRASTRUCTURE



 GPU / HPC Facility for advanced AI model training

 High-performance AI Workstations


 Institutional Compute Resources


 Scalable AI Execution Environment

2 CLOUD & AI PLATFORMS



 AWS / Azure / GCP Sandbox Environment


 Access to Leading AI & GenAI Platforms


 Shared Experimentation Environment

 LLM APIs & AI Services Access


3 RESEARCH & INNOVATION FACILITIES



 GenAI Labs for experimentation

 AI Research Centers & Domain Labs

 Interdisciplinary Innovation Spaces


 Institutional AI Repository & Data Assets

4 INDUSTRY & COLLABORATION ECOSYSTEM



 Industry AI Partnerships

 Co-branded AI Labs & Centers

 Live Industry Problem Statements

 Research & Startup Collaborations

STRATEGIC OUTCOMES

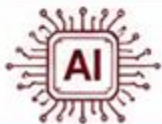
 Scalable AI Ecosystem

 Accelerated Research Capability

 Innovation-Led Culture

 Future-Ready Graduates

 National-Level Institutional Positioning



Building the institutional foundation for sustainable AI transformation at scale.



AI TRANSFORMATION ROADMAP

Strategic progression towards an AI-native institutional ecosystem

• PHASE 1 •
AI LITERACY &
CURRICULUM REVISION

0 – 3 MONTHS



AI Literacy Rollout
Campus-wide awareness
and foundational learning



Curriculum Revision
Integrate AI across programs
and revise course content



OUTCOME
AI AWARENESS &
CURRICULUM READINESS

• PHASE 2 •
FACULTY ENABLEMENT &
AI LABS SETUP

4 – 9 MONTHS



Faculty Enablement
Training, workshops &
AI teaching support



AI Labs Setup
Establish AI labs and
cloud infrastructure



OUTCOME
FACULTY & INFRASTRUCTURE
STRENGTHENED

• PHASE 3 •
AI INTEGRATION &
SMART OPERATIONS

10 – 18 MONTHS



AI Integration in Academics
AI-enabled teaching,
assessment & learning



Smart Institution Operations
AI-driven processes for
efficiency & decision-making



OUTCOME
SCALABLE AI ADOPTION &
SMART OPERATIONS

• PHASE 4 •
INNOVATION, RESEARCH &
INDUSTRY COLLABORATION

19 – 36 MONTHS



Research & Innovation
Centers of Excellence &
advanced AI research



Industry Collaboration
Live projects, partnerships
& co-innovation



Advanced AI Solutions
Domain-specific AI systems
& real-world impact



OUTCOME
INSTITUTIONAL AI LEADERSHIP
& GLOBAL RECOGNITION

AI-NATIVE VFSTR

Our Future State



-  AI-Enabled Education
-  Research Leadership
-  Smart Campus Operations
-  Industry Integration
-  Societal Impact & Leadership



From AI readiness to institutional AI leadership.



Strategic Outcomes for VFSTR

Expected institutional value creation

Academic



OUTCOMES

AI-ready graduates

Research



OUTCOMES

High-impact innovation

Institutional



OUTCOMES

Smart governance & efficiency

Industry



OUTCOMES

Placements & partnerships

Innovation



OUTCOMES

Startup & entrepreneurship ecosystem

"Agentic Vignan strengthens institutional competitiveness for the future."



PROMPT ENGINEERING ENRICHED CURRICULUM

Dr Napoleon Joseph, Asst Professor, Dept of English

TOWARDS AN AI-NATIVE VFSTR ECOSYSTEM

PROMPT ENGINEERING

THROUGH

TECHNICAL ENGLISH COMMUNICATION

An AI-Integrated Approach to Communication Excellence

EMBEDDED IN EVERY COMMUNICATION SKILL



WRITING

- Prompt Chaining
- AI-assisted Drafting
- Report Writing & Paraphrasing



SPEAKING

- AI-assisted JAM, GD & Presentations
- Idea Generation with Prompts



READING

- AI Output Evaluation
- Tone, Intention & Bias Analysis



LISTENING

- AI-generated Questions
- Summarization & Note-Making



PROFESSIONAL COMMUNICATION

- AI-assisted Emails
- Business Writing
- Startup Pitch Communication

HOW WE IMPLEMENTED



Structured Prompting Techniques across all modules.



AI Tools used: ChatGPT, Gemini, Claude, Meta AI, NotebookLM & more.



Students evaluate AI outputs for accuracy, relevance, bias & ethics.



We are not teaching students to depend on AI;
we are teaching them to think critically while working with AI.

IMPACT & OUTCOMES

BUILDING FUTURE-READY COMMUNICATORS



VIGNAN'S

FOUNDATION FOR SCIENCE, TECHNOLOGY & RESEARCH

(Deemed to be University) - Estd. u/s 3 of UGC Act 1956

01

AI LITERACY

Students learn to design effective prompts and interact purposefully with AI tools.



02

PROFESSIONAL COMMUNICATION

AI-assisted emails, reports, presentations and discussions for real-world scenarios.



03

CRITICAL THINKING

Students evaluate AI outputs for accuracy, bias, misinformation and hallucinations.



04

INDUSTRY READINESS

Exposure to contemporary AI tools and practices aligned with workplace expectations.



05

NEP & OUTCOME-BASED ALIGNMENT

Supports digital literacy, innovation, multidisciplinary learning and lifelong learning goals.



AI-EMPOWERED COMMUNICATORS

Confident | Ethical
Competent | Future-Ready

VALUE TO THE UNIVERSITY



Enhances academic excellence



Strengthens employability and communication competence



Positions the university as an innovative and future-ready institution



Creates AI-literate graduates for a global world



Preparing Students for Examinations, Professions and an AI-Driven Future.



**AGENTIC VIGNAN
AI COMMUNICATION PROTOCOLS
A BRAND NEW COURSE**

*Dr Sarada M,
HoD, ECE*

AI AGENT COMMUNICATION PROTOCOLS

Emerging Course Proposal for B.Tech IV Year ECE (Level-4)

WHY THIS COURSE MATTERS

AI is evolving from isolated models to collaborative multi-agent ecosystems. Standardised communication protocols are the new infrastructure for interoperable, secure and scalable intelligent systems.



MCP
Model Context Protocol
Agent-to-Tool
Communication



A2A
Agent2Agent Protocol
Peer-to-Peer Agent
Collaboration



ANP
Agent Network Protocol
Decentralized
Agent Ecosystem



COURSE FOCUS AREAS

- Foundations of Agentic AI & Protocol Landscape
- Model Context Protocol (MCP) Tool Integration & JSON-RPC
- Agent2Agent (A2A) Protocol Secure Agent Collaboration
- Agent Network Protocol (ANP) Decentralized Internet of Agents
- Security, Governance & Threat Mitigation
- ECE Applications: IoT, Smart Grid, Signal Processing & Embedded AI

STRATEGIC RELEVANCE TO ECE

- Embedded & Intelligent Systems**
AI-enabled edge devices and autonomous embedded systems
- IoT & Smart Networks**
Collaborative agents managing distributed sensor ecosystems
- Telecommunications & Signal Processing**
Autonomous optimization and intelligent orchestration pipelines
- Industry Alignment**
Aligned with emerging standards from Anthropic, Google, Linux Foundation AAIF and open agentic ecosystems

KEY OUTCOMES

- Design multi-agent architectures using modern communication protocols
- Understand agent-to-tool, agent-to-agent and peer-to-peer communication paradigms
- Evaluate security, governance and regulatory frameworks
- Build conceptual systems for AI-native communication
- Apply agentic AI principles to real-world ECE applications

ECE APPLICATIONS

- IoT Networks & Embedded Systems**
Autonomous agents for smart sensing and control
- Smart Grid & Network Management**
Intelligent agents for monitoring, forecasting & optimization
- Signal Processing Pipelines**
Collaborative AI agents for adaptive signal analysis and decision-making



INSTITUTIONAL VALUE



Introduces next-generation AI infrastructure concepts



Strengthens VFSTR's position in Agentic AI education



Supports AI-native curriculum transformation



Enhances industry relevance and research readiness



FACULTY TRAINING ACTIVITIES AND INDUSTRY COLLABORATIONS

*Mr Prasad Panda,
Director, Industry Relations*

Agentic AI Faculty Training Program

About Vajra.ai



Vajra.ai is an AIAS (Artificial Intelligence as a Service) platform enabling businesses, institutions and individuals to leverage AI for automation, productivity and career transformation.



AI Chatbots & AI Agents



Workflow Automation



Career Intelligence Tools



Digital Transformation Frameworks

Program Statistics



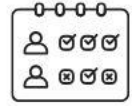
46

AI Champions



76

AI Teaching Faculties



75.94%

AI Champions Attendance



Training Modules

Phase 1

AI Tools for Teaching, Content Creation and Academic Productivity

Phase 2

AI Tools for Research & Scholarly Activities

Phase 3

AI Systems, Coding & Workflow Automation

“Transforming Faculty into AI-Enabled Educators through Agentic AI & Intelligent Automation.”

Assignment Leadership Board

Week 1 Results

Non School of Computing Category



Dr. Labeesh Kumar
Textile Technology



Dr. Srikanthakumari
MBA Department



Mr. A. Sureshbabu
Diploma

School of Computing Category



Dr. Jawad Ahmad
ACSE Department



Dr. G. Keerthi
CSE Department



Dr. R. Naga Sirisha
Computer Applications

Week 2 Results

Combined Category



Dr. Syed Irshaan
Food Technology

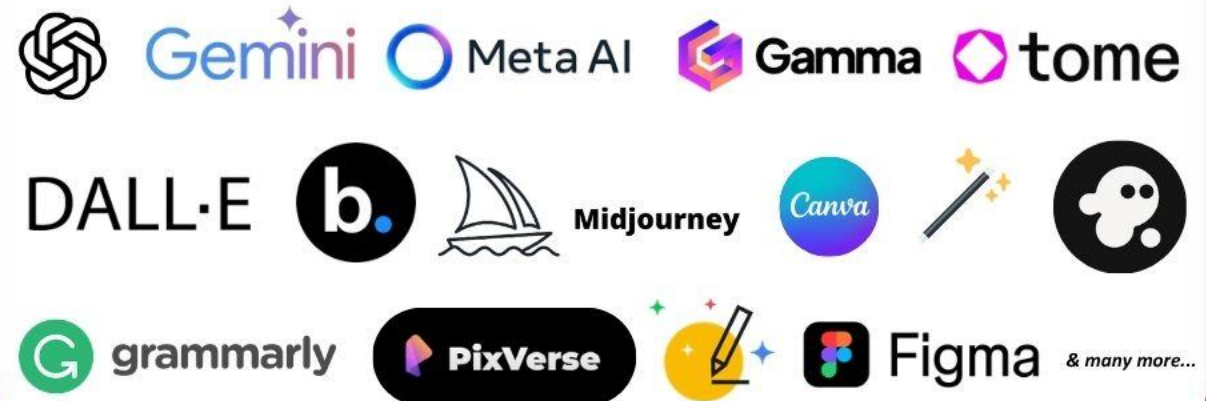


Dr. S. Karthikeyan
Food Technology



Mr. K. Kishore Babu
CSE Dept..(Hyd Campus)

Tools Covered so far..



Industry Collaborations

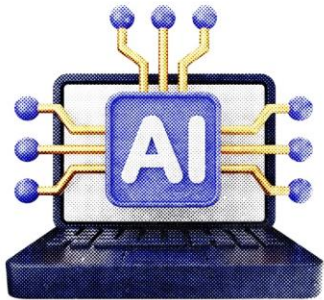
Google AI Lab



3rd June, 2026
Inauguration



ACSE Department



Infosys



MoU (Under Process)



CSE Department



TATA ELXSI



MoU (Final Approval)



IT Department



ADDVERB

Human | Robot | Possibilities



MoU (Final Approval)



Robotics Department



About Google AI Lab

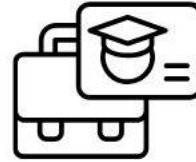
Salient Features



Access to Gemini & NotebookLM



Support for Google Hackathons



Internships & Jobs through Career Fair



Google Certificates & Badges



Industry Ready Skills



Mentorship from Industry Experts



Access to Google Digital Campus



Learning through Google Cloud Skills Boost Platform



Google Bootcamps



Project Based Learning

Certifications Offered



Google Cloud Cybersecurity



Google Cloud Data Analytics



Google Cloud Computing



Google Cloud Engineering



Google Cloud Gen AI Skill Badge



Google Cloud Digital Leader



Google Cloud Associate Cloud Engineer

“Transforming Faculty into AI-Enabled Educators through Agentic AI & Intelligent Automation.”

Google AI Lab Internal Branding



“Transforming Faculty into AI-Enabled Educators through Agentic AI & Intelligent Automation.”

AGENTIC AI STUDIO

ACADEMIC INNOVATION POWERED BY AGENTIC AI TOOLS

*Dr G Keerthi,
Assistant Professor, CSE*

Agentic AI Studio: Four Pillar Charter

01



Advanced Teaching Material & Content Creation

Multimedia content • Study aids • Multilingual translation

02



Differentiated & Personalized Learning

Adaptive pathways • Dedicated AI tutors per course

03



Assessment & Feedback Optimization

Smart assessments • Bloom's-aligned Qs • Instant feedback

04



Admin Reduction for More Mentorship

70% time saved • Reallocated to student mentoring



Four coordinated pillars to transform teaching, learning, assessment, and mentoring with AI.

Charter 1: Advanced Teaching Material & Content Creation



Generate Multimedia Content

Use LTX Studio, Canva Education, InVideo AI and similar tools to transform dense lesson plans into interactive infographics, animated explanations, dynamic presentations, and course videos.



Automate Study Aids

Create customized study guides, interactive flashcards, practice materials, recap notes, and supplementary resources — all tailored precisely to your syllabus and learning outcomes.



Multilingual Translation

Use AI dubbing and translation tools to adapt instructional videos for non-native speakers and diverse language groups across campus.



Intelligent tools. Inspired teaching. Impactful learning.

Charter 2: Differentiated & Personalized Learning

Adaptive Learning Pathways



- Use advanced AI models to analyze how each student interacts with course content
- Adjust difficulty, examples, and practice material in real time
- Surface weaker areas automatically for targeted support
- Match learning pace to individual student progress

Dedicated AI Course Tutors




- Upload textbooks, lecture notes, syllabi, and question banks into Google NotebookLM
- Build a 24/7 on-demand AI study assistant for each course
- Students clarify doubts, revise topics, and get guided support outside classroom hours
- Personalized assistance at scale — without adding faculty workload



Adaptive support. Personalized learning. Scalable student success.

Charter 3: Assessment & Feedback Optimization

Smart Assessments

 MCQs	 Short Answer
 Long Answer	 Case Studies
 Discussion Prompts	 Rubrics
 Bloom's Taxonomy Qs	 Lab Exercises

Streamlined Feedback

- Track student progress using AI-powered LMS add-ons
- Automatically identify skill gaps — no manual analysis needed
- Provide instant, targeted feedback on assignments
- Generate Bloom's Taxonomy-aligned questions at any cognitive level
- Reduce assessment preparation time by up to 70%



Smarter assessment. Faster feedback. Better learning outcomes.

Charter 4: Admin Reduction for Mentorship

70%

time saved on
admin tasks

Tasks Automated by AI

- Drafting circulars & notices
- Creating reports
- Generating meeting summaries
- Attendance analysis
- Preparing academic documentation
- Organizing teaching resources

Saved Time → Mentorship

- One-to-one student mentoring
- Academic guidance & counselling
- Motivational support
- Research supervision
- Project mentoring
- Skill development sessions

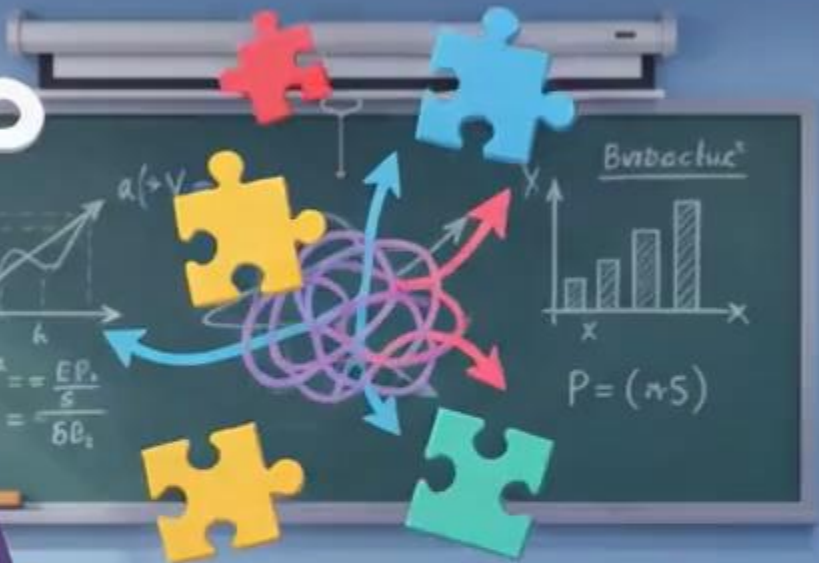
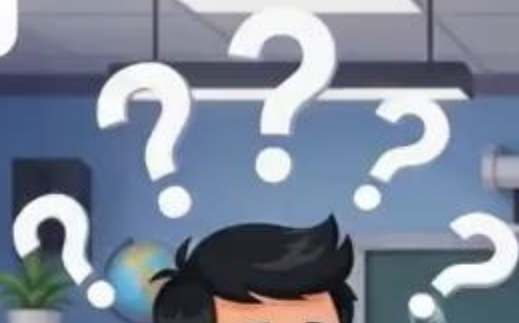


Less admin. More mentoring. Greater student impact.



VIGNAN
UNIVERSITY

విజయవాడ సూర్యరాజుల విజయవంతం

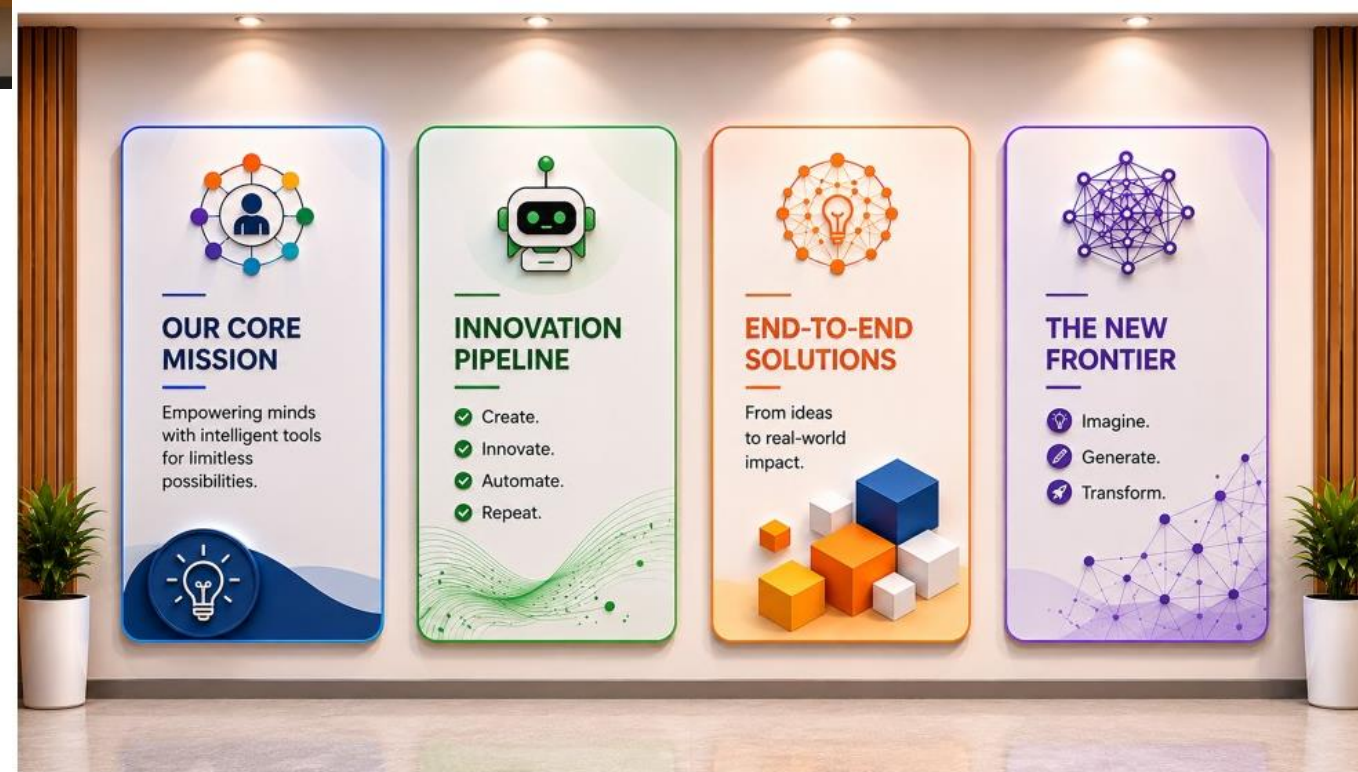


Design Thinking

A step-by-step way to solve complex problems



KAPWING



THANK YOU

Questions & Discussion

TOWARDS AN AI-NATIVE VFSTR ECOSYSTEM

VFSTR • EXECUTIVE COUNCIL • 30th MAY 2026

Policy Architecture: Governance and Systems Driving the University Operations

VFSTR AI Adoption Initiative

PRESENTED BY

Dr. S V Phani Kumar

Professor & Head - Department of CSE, VFSTR

Policy Architecture

01

The **Registrar's Office** ensures VFSTR runs on policies, maintains a list of existing policies, and ensures a proper timeline for review and revision. And, also ensure staff to understand and sign off enforcing policies.

02

The **IQAC Office** is responsible for the continuous review and identification of requisite policies, ensuring alignment with the guidelines and standards set forth by regulatory bodies such as UGC, NBA, NAAC, and other relevant authorities.

03

Regular Audits are done by the Dean's Office in association with IQAC office to maintain a central, audit-ready repository that proves compliance with legal and regulatory requirements.

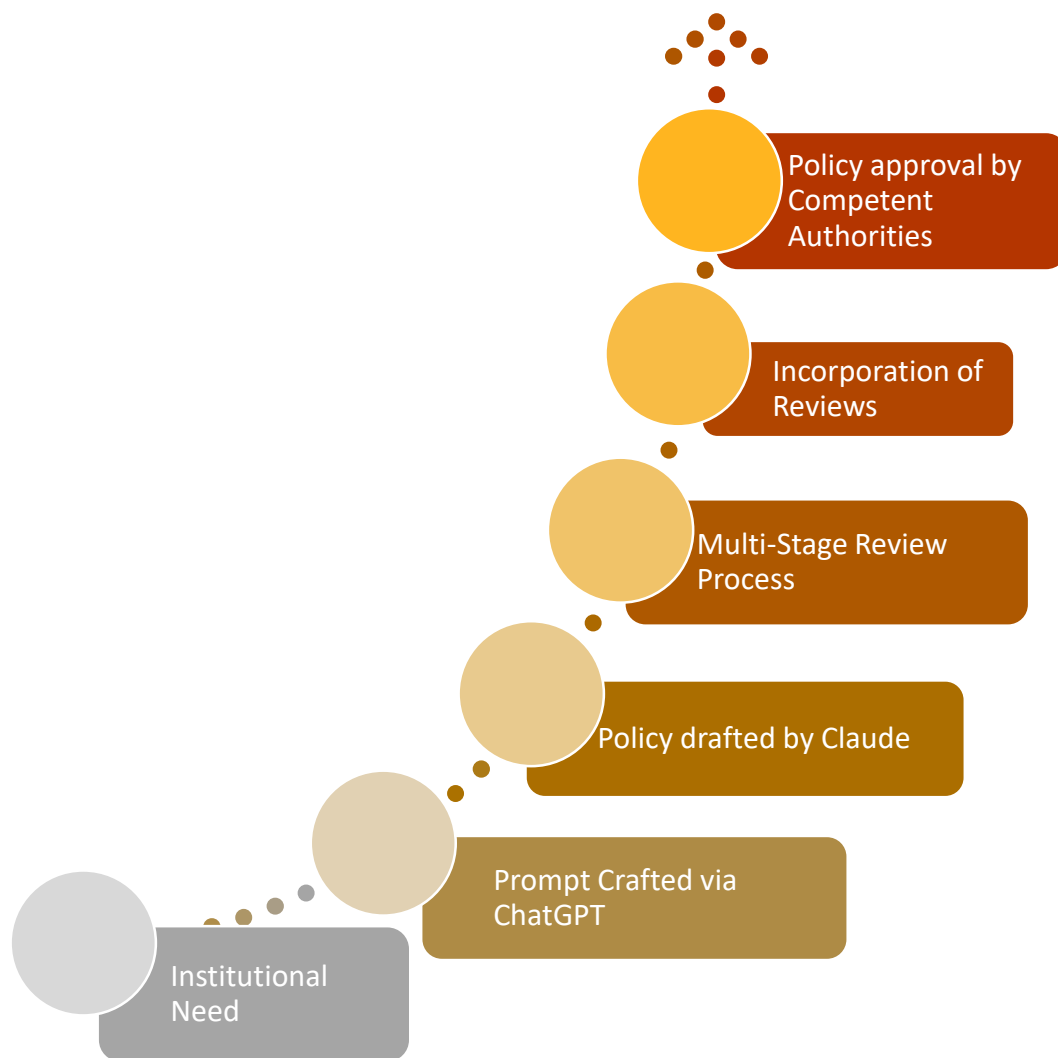
04

Reviewing policies ensures they stay up-to-date and effective

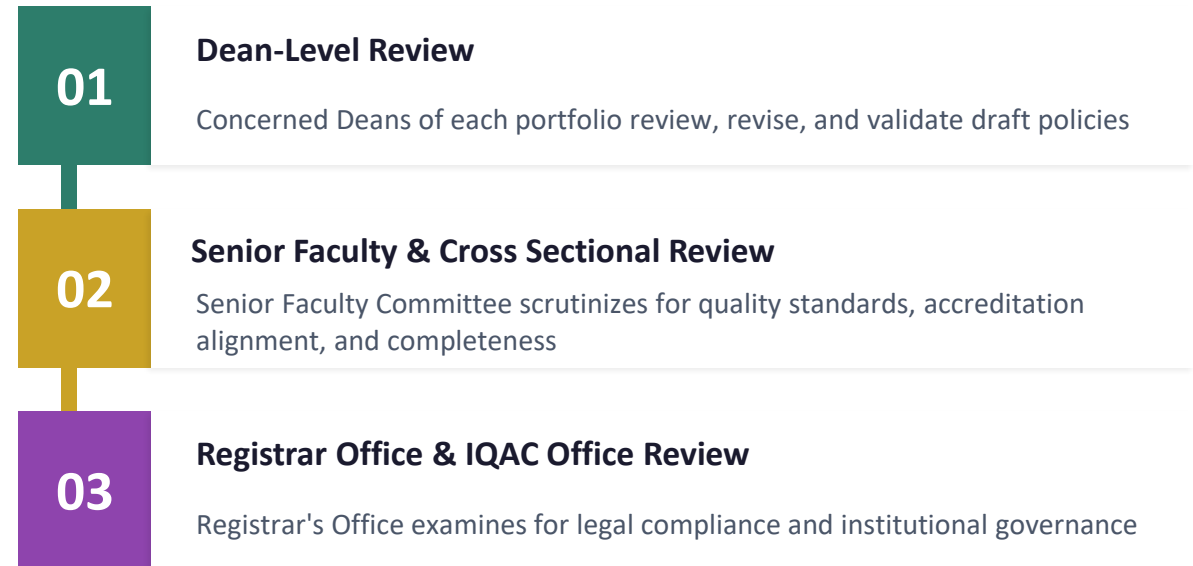
Regularly update policies to reflect changes using version control and approvals.

Policy Development Process

Policy Hand Book



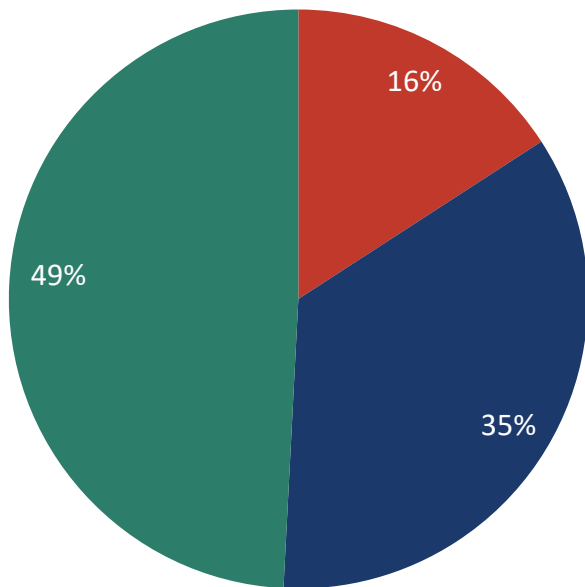
Multi-Stage Review Workflow



Portfolio-wise Policy Ecosystem



Classification of Policies — Three Strategic Categories



- Mandatory (29)
- Institutional Governance (64)
- Optional / Best Practice (90)

29 MANDATORY POLICIES

UGC / NAAC / AICTE / NBA / NIRF Compliance

- Academic Integrity & Anti-Ragging
- Reservations (SC/ST/OBC/PwD)
- Admissions & Fee Refund
- Diversity, Equity and Inclusion (DEI) Policy
- Anti-Bribery & Whistleblower
- Data Protection & Cybersecurity
- Gender Equality & Human Rights
- Occupational Health & Safety
- + 21 more...

64 INSTITUTIONAL GOVERNANCE

Operational Excellence & Administration

- Academic Affairs & Faculty Management
- Finance, HR & Infrastructure
- Student Affairs & Research
- Industry & Community Partnerships
- Quality Assurance & IQAC
- Digital Systems & ERP
- Training, Placement & Library
- + 57 more...

90 OPTIONAL / BEST PRACTICES

Innovation, Global Standards & Sustainability

- AI & Emerging Technologies
- Sustainability & Net Zero
- SDG Alignment & Green Campus
- International Collaborations
- Startup / Incubation Ecosystem
- AR/VR & Smart Campus
- Community-Based Research
- + 83 more...



THANK YOU

TOWARDS AN AI-NATIVE VFSTR ECOSYSTEM



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be UNIVERSITY)

-Estd. u/s 3 of UGC Act 1956

Performance Management

Performance Scorecards for
Personal, Professional &
Institutional Excellence



Dr. M. RAMAKRISHNA

M.Tech [IIT Delhi], Ph.D. [IIT Roorkee]

PROFESSOR in Dept. of Mechanical Engineering

DEAN Internal Quality Assurance Cell (IQAC)

DEAN School of Core Engineering (SCE)

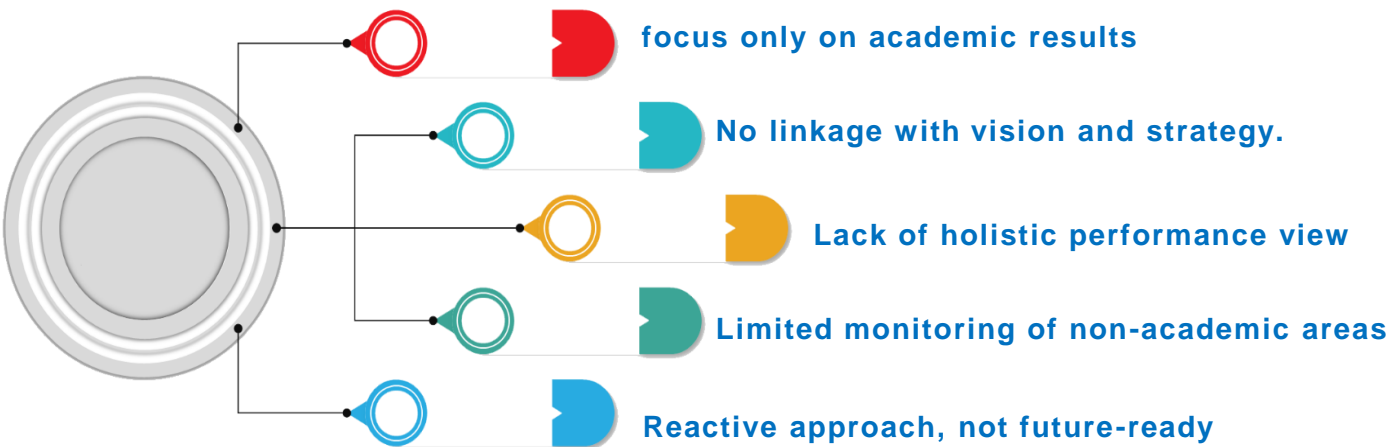


Need of PSC in Universities ?

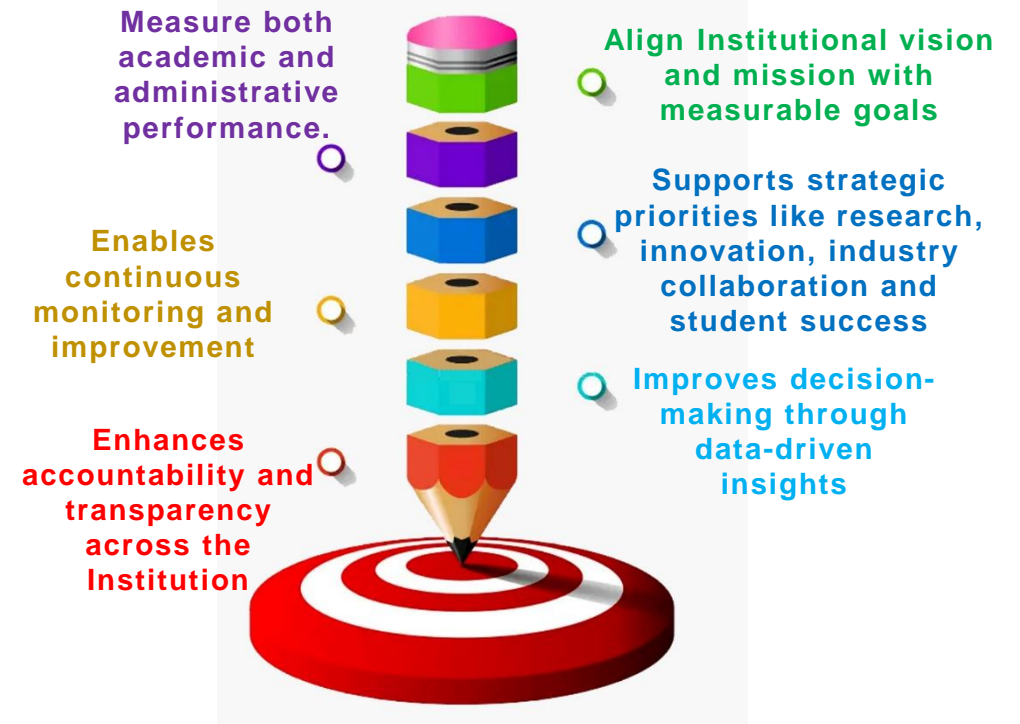
Key Challenges in Universities

- Intense competition among institutions at national and global levels.
- Rapidly changing technology and increasing need for digital transformation.
- Rising student expectations for quality education and holistic development.
- Resource constraints and need for optimal utilization.
- Attracting and retaining high-quality faculty and staff.
- Ensuring quality, compliance and accreditation requirements.
- Strengthening industry collaboration and real-world relevance.

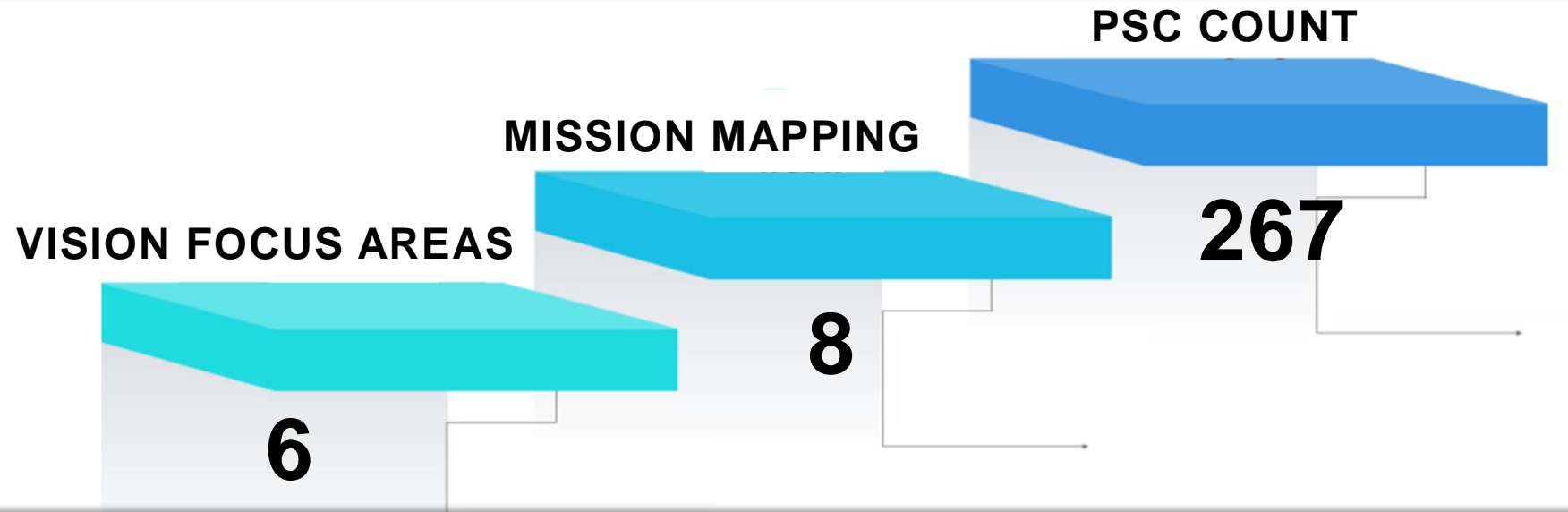
Limitations of Traditional Evaluation



Why PSC need for Universities ?



Vision – Mission Alignment with Performance Scorecard (PSC)



VISION FOCUS AREAS	MISSION MAPPING
Excellence in Science & Technology	Higher Quality Academic Programs
Innovative Teaching – Learning	Training Activities
Academic Achievement	Research Opportunities
Research Excellence	Industry – Institute Interaction
International Competitiveness	Employability
Ethical and Social Responsibility	Entrepreneurship
	Leadership Development
	Regional & National Contribution

A vertical banner titled "Performance Scorecard" with the subtitle "Driving Performance. Delivering Excellence." The banner displays two key metrics: "1195 EMPLOYEES" in blue text and "267 PSC PREPARED" in red text. Below these metrics is the heading "Our Commitment" followed by the text "Aligning our vision with measurable performance to achieve sustainable growth and institutional excellence." At the bottom of the banner is a photograph of a large, modern, multi-story white building with a central courtyard and greenery.

VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be UNIVERSITY) - Estd. u/s 3 of UGC Act 1956

Performance Scorecard

Driving Performance. Delivering Excellence.

1195
EMPLOYEES

267
PSC PREPARED

Our Commitment

Aligning our vision with measurable performance
to achieve sustainable growth and
institutional excellence.



Balance Scorecards for Performance Measurement Framework in Universities

The Balanced Scorecard—Measures that Drive Performance by [Robert S. Kaplan](#) and [David P. Norton](#)



1 STAKEHOLDER / CUSTOMER PERSPECTIVE

- Student satisfaction
- Placement percentage
- Graduate employability
- Alumni engagement
- International admissions
- Industry & employer satisfaction
- Students activities & clubs
- Sports participation
- Student support services



2 INTERNAL PROCESS PERSPECTIVE

- Academic delivery & quality
- Curriculum design & review
- Examination efficiency
- Research processes
- Digital transformation & automation
- Governance effectiveness
- Student support services
- Compliance & quality assurance
- Industry–Institute interaction
- Operational efficiency



3 LEARNING & GROWTH PERSPECTIVE

- Excellence in Science & Technology
- Innovative Teaching–Learning
- Academic Achievement
- Research Excellence
- International Competitiveness
- Ethical and Social Responsibility
- Faculty development
- Training & capacity building
- Digital transformation
- Innovation & best practices
- Research capability
- Knowledge management
- Leadership development
- Employee satisfaction & engagement

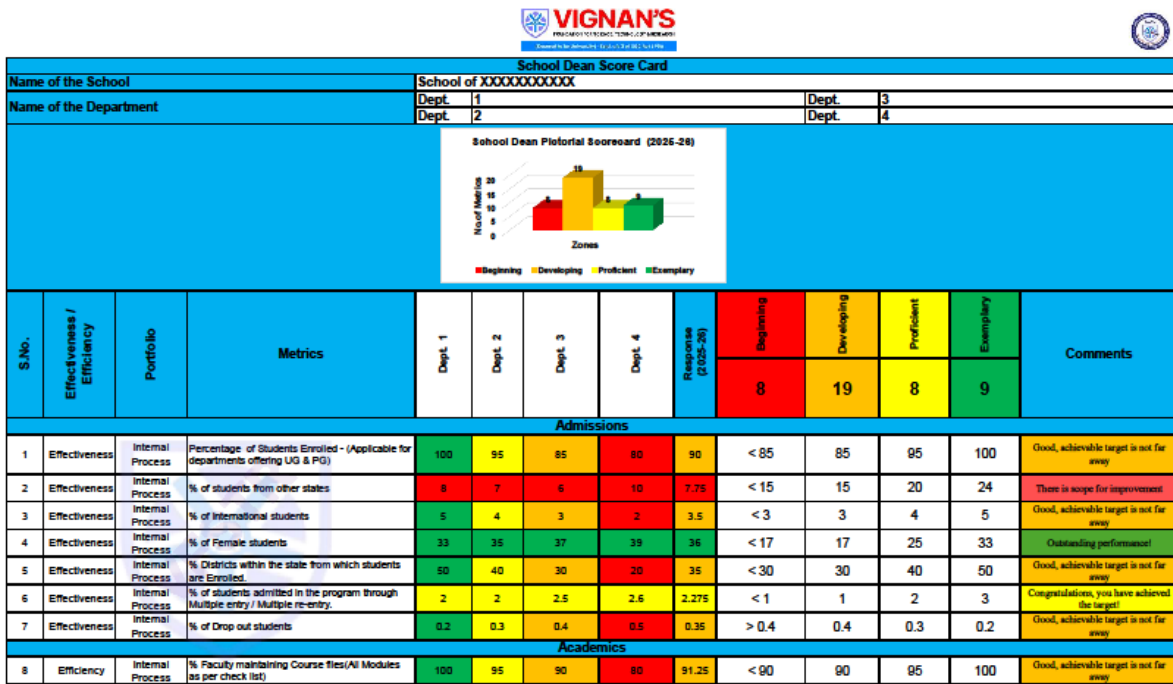


4 FINANCIAL PERSPECTIVE

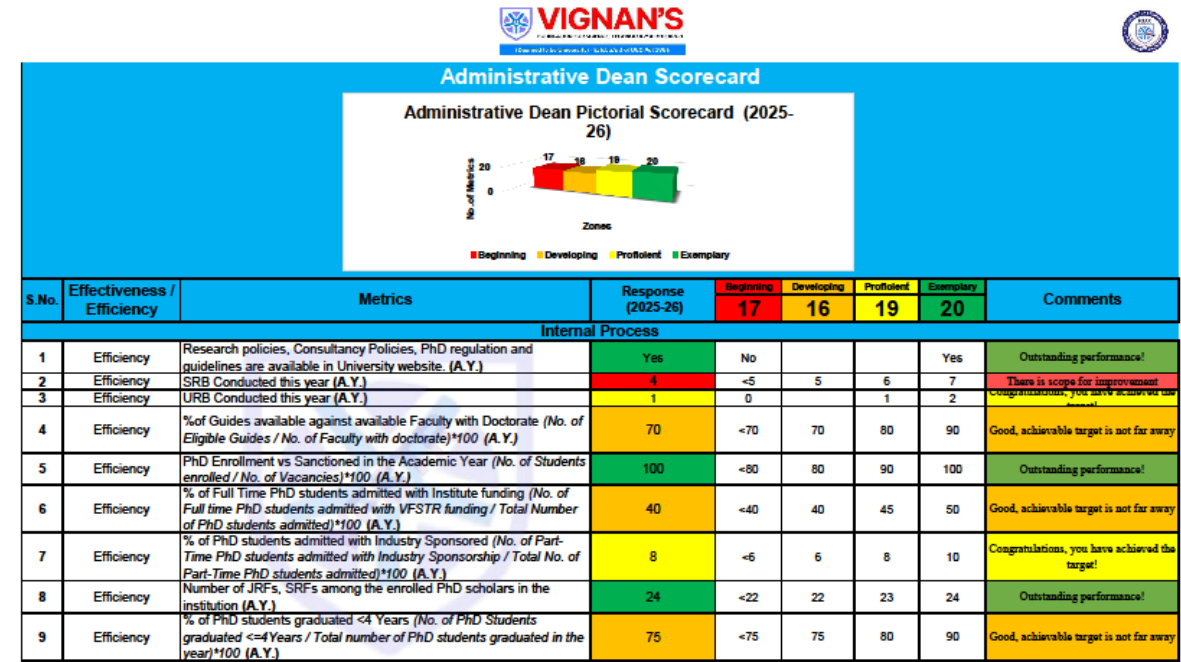
- Revenue generation
- Resource optimization
- Budget utilization
- Cost efficiency
- Infrastructure growth & utilization
- Investment in academic & research development
- Scholarships & financial aid management
- Long-term financial planning & sustainability

Sample of Two Performance cards (Academic & Functional Leaders)

Academic Leader Score Card



Functional Leader Score Card



Performance Scorecard enables universities to achieve strategic goals, improve performance and create value for all stakeholders through measurable and continuous improvement.

Thank You



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be UNIVERSITY)

-Estd. u/s 3 of UGC Act 1956

VFSTR • EXECUTIVE COUNCIL • 30th MAY 2026

Organizational Structure

Deploying the Optimal Structure @ Vignan

PRESENTED BY

Dr. Jyothi Yarlagadda

Deputy Dean IQAC.

Associate Professor • Mechanical Engineering Department, VFSTR

University Governance & Organizational Structure

Executive Governance & Regional Oversight

Top-Tier Strategic Leadership: The Chancellor leads, supported by the Executive Council, Academic Council, and Finance Committee.



Executive & Operational Integrity

CEO

VICE-CHANCELLOR

REGISTRAR

FINANCE OFFICER

The Clid and Vice-Chancellor manage the Registrar and Finance Officer for Institutional compliance.

REGIONAL CAMPUS GOVERNANCE



The Hyderabad Off-Campus is led by a Director who maintains standard alignment.

FUNCTIONAL HORIZONTALS (SUPPORT)



Specialized Deans manage Institutional Quality, Student Lifestyle, and Growth/Innovation divisions.

ADMINISTRATIVE OPERATIONS PILLAR

Handles daily mechanics including HB, infrastructure, estate management, and campus media.

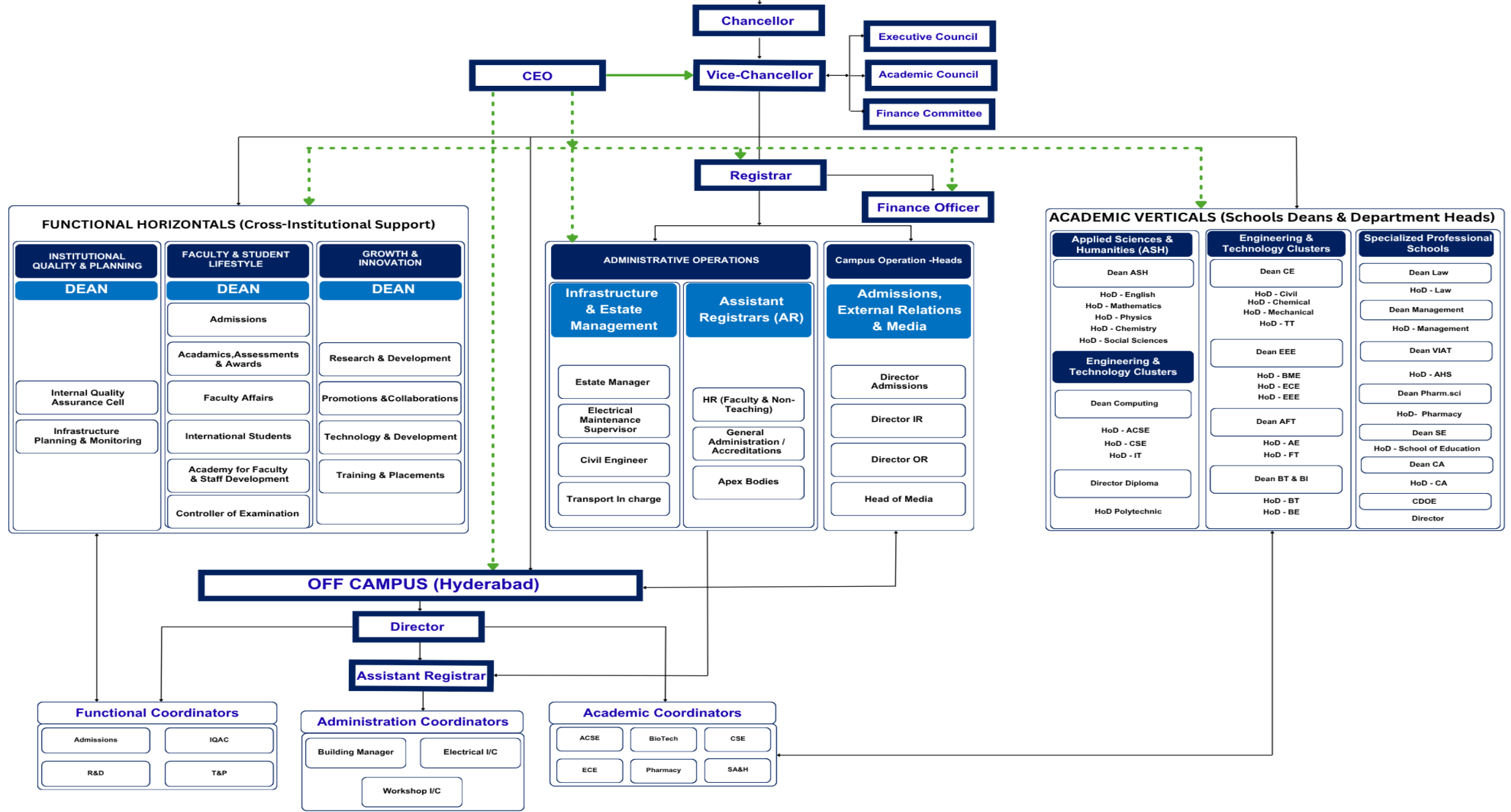


CORE ACADEMIC VERTICALS

Outlines the specific clusters within the Core Academic Verticals.



ACADEMIC CLUSTERS



THANK YOU

Questions & Discussion