Proposal for establishing

Vishnu Educational Development & Innovation Centre (VEDIC)





Proposal Document Prepared by

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<u>Vision Statement</u>: The Vishnu Educational Development and Innovation Centre (VEDIC) is a place where our faculty members, staff, students, and other members work in a collaborative environment to create rich, engaged learning and teaching experiences; conduct research in all aspects of education; increase student success, build vital partnerships for improved learning, and invites individuals to become members of an intellectually diverse, active learning community.

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1. Preamble

This document proposes establishment of Vishnu Educational Development and Innovation Centre (VEDIC).

The Vision for this Center, outlined in this Proposal, has been developed through a collaborative process during the past few weeks, including a campus-wide vision-crafting process that involved faculty and staff, a review of multiple existing such centers at: IIT Madras, SRM University, Thiagarajar College of Engineering Madurai, PSG College of Technology Coimbatore and other Academic Staff Colleges across different Universities both in India and abroad.

This document provides the rationale for the establishment of Sri Vishnu Educational Development and Innovation Centre (VEDIC). as an important enabling mechanism for achieving our institutional goals of increasing learning retention and graduation rates by providing outstanding instruction and support. It outlines the Center's functions in the context of our institutional priorities and our substantial experience with curricular engagement and student support services and in terms of intra- and inter- institutional connections.

2. Purpose of Establishing the Centre

Center Goals:

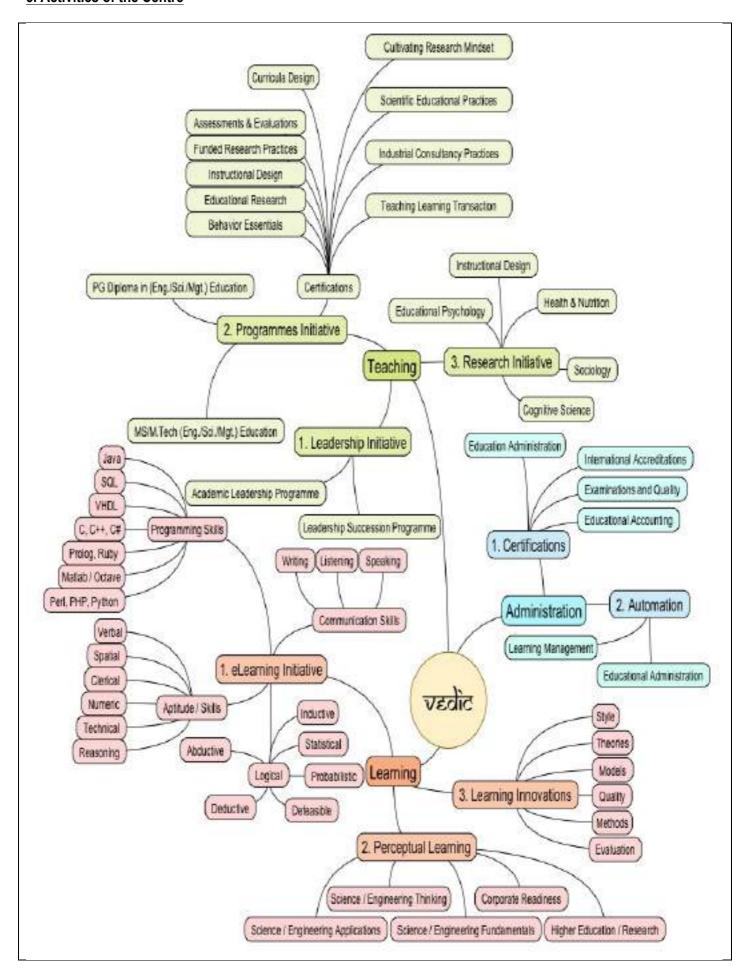
VEDIC will:

- a) Engage our Institutions faculty members, staff, students, to work in a collaborative environment to create rich, engaged learning, teaching and improved behavioral experiences;
- b) Contribute to significant increases in student learning retention and graduation rates; and thus
- c) Establish our Institution as a System leader in the areas of Educational Research and Academic Leadership.

The proposed Center will be:

- Integral to the academic mission of our group of Institutions
- Essential in offering stronger and more integrated learning support services to its faculty members and students
- Led by experienced faculty, staff, and students
- Charged to build the capacity of our Institutions to integrate teaching, learning, with engagement through active-learning and related academic initiatives
- Provided with curricular support for our traditional courses and environments
- Conducting research in education to support arts education, science education and engineering education
- Positioning the institution as a leader in efforts to advance engaged teaching and learning

3. Activities of the Centre



4. FIVE Year Action Plan

				Theme: Create Research Expertise
			Theme: Create Research Activities	A. Within Institution
		Theme: Collaborate - Stake Holders	A. Within Institution	Develop New Knowledge on:
	Theme: Create (Brand) Ambassadors	A. Within Institution	Conduct Research on:	Learning Administration
A. Within Institution Strengthen: Faculty Students Technology Enabled Learning Heads Principals All Support staff Management Parents Create: Self Sustenance Docs. Learning Tools & Materials Culture & Practices Documentation B. With Other Institutions (our group) Strengthen: School Teachers School Students School Student Parents C. With Industries (our group)	A. Within Institution Create: Competent Faculty Competent Students Competenty Tech-enabled Learning Competent Leaders Competent Managers Competent School Teachers Responsible School-Students Institution Culture Student Diversity Culture B. With Other Institutions (outside) Strengthen: Faculty Students Student Admission Pipeline C. With Industries	Create: Faculty Excellence Centre Student Excellence Centre Technology Learning Excel. Centre Human Excellence Centre Women Upliftment Excel. Centre Administrative Excellence Centre Academic Leadership Centre Management Excellence Centre School. Admin. Excellence Centre Parenting Excellence Centre Cultural Excellence Centre Student Diversity Excellence Centre B. With Other Institutions (outside) Faculty Behavioral Excel. Program.	 Educational Activities Technology Enabled Learning Student Action Projects Adult Behaviors Leadership Administration Parenting Culture & Practices B. With Other Institutions (outside) Conduct Research on: 	Curricula Design & Implementation Teaching Learning Practices Institutional Culture Holistic Learning & Development B. With Other Institutions (outside) Develop New Knowledge on: Cooperative Learning Practices Collaborative R&D Niche-Domain Development C. With Industries Conduct Research on: Industrial Practices Collaborative R&D Niche-Domain Development Niche-Domain Development
Strengthen: Corporate Employees Corporate Managers Corporate Trainers				
Year – I	Year – II	Year – III	Year – IV	Year – V

5. Year ONE Action Plan

	April 2016	May 2016	June 2016	July 2016	August 2016	September 2016
Week-1			Training for Corporate Staff	Training for Corporate Staff	III Year Students – B4	III Year Students – B7
Week-2	WS – SEP – B1	WS – Learning & Leading	WS – SEP – B3	WS – SEP – B5	WS – SEP – B8	WS – SEP – B11
Week-3		III Year Students – B2	Training for School Teachers	WS – SEP – B6	WS – SEP – B9	WS – SEP – B12
Week-4	III Year Students – B1	WS – SEP – B2	WS – SEP – B4	WS – SEP – B7	WS – SEP – B10	WS – SEP – B13

	October 2016	November 2016	December 2016	January 2017	February 2017	March 2017
Week-1	III Year Students – B10	III Year Students – B13	Training for Corporates	III Year Students – B16	III Year Students – B19	III Year Students – B22
Week-2	WS – SEP – B14	WS – SEP – B17	WS - SEP - B20	WS – SEP – B23	WS – SEP – B26	WS – SEP – B29
Week-3	WS – SEP – B15	WS – SEP – B18	WS – SEP – B21	WS – SEP – B24	WS – SEP – B27	WS - SEP - B30
Week-4	WS - SEP - B16	WS - SEP - B19	WS – SEP – B22	WS - SEP - B25	WS - SEP - B28	WS - SEP - B31

WS – Workshop SEP – Scientific Educational Practices Workshop B1, B2.... – Batch Numbers

6. Weekly Routine

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
05.00 AM – 05:03 AM	Wake-Up Bell	Wake-Up Bell	Wake-Up Bell	Wake-Up Bell	Wake-Up Bell	Wake-Up Bell	Wake-Up Bell
05.03 AM – 05:25 AM	Morning Routine	Morning Routine	Morning Routine	Morning Routine	Morning Routine	Morning Routine	Morning Routine
05.30 AM – 06:15 AM	Yoga & Meditation	Yoga & Meditation	Yoga & Meditation	Yoga & Meditation	Yoga & Meditation	Yoga & Meditation	Yoga & Meditation
06.15 AM – 06:20 AM Energy Drink	Spirulina-Lemon-Honey	Brahmi-Lemon-Honey	Chlorella-Lemon-Honey	Aswagandha-Lemon- Honey	Alfalfa-Lemon-Honey	Wheatgrass-Lemon- Honey	Triphala-Lemon-Honey
06.15 AM – 07:00 AM	Cycling / Running	Walking / Stretching	Cycling / Running	Walking / Stretching	Cycling / Running	Walking / Stretching	Cycling / Running
07.00 AM – 07:30 AM	Bath & Get Ready	Bath & Get Ready	Bath & Get Ready	Bath & Get Ready	Bath & Get Ready	Bath & Get Ready	Bath & Get Ready
07.30 AM – 08:00 AM Breakfast	Sprouts, Banana	Fruit Juice Sprouts, Banana Sajja Millet Tiffen	Sprouts, Banana	Fruit Juice Sprouts, Banana Korra Millet Tiffen	Tender Coconut Sprouts, Banana Samalu Millet Tiffen	Fruit Juice Sprouts, Banana Arikelu Millet Tiffen	Tender Coconut Sprouts, Banana Variga Millet Tiffen
08.00 AM – 10:00 AM	Training Session - 1	Training Session - 1	Training Session - 1	Training Session - 1	Training Session - 1	Training Session - 1	Training Session - 1
10.00 AM – 10:30 AM Tea/Coffee/Milk	Granola Bar	Brocoli Crisps	Mushroom Crisps	Kakarakaya Crisps	Bendakaya Crisps	Carrot Crisps	Whole Grain Crackers
10.30 AM – 12:30 PM	Training Session - 2	Training Session - 2	Training Session - 2	Training Session - 2	Training Session - 2	Training Session - 2	Training Session - 2
12.30 PM – 01:30 PM <i>Lunch</i>	Mixed veg Dry Leafy veg Curry	Vegetable biryani Mixed veg Dry Carrot Pickle Mango Chuttney	Pepper Pappad	White Rice Mixed veg Dry Leafy veg Curry Groundnut Chuttney	Vegetable biryani Mixed veg Dry Carrot Pickle Mango Chuttney	Raw rice gruel Mixed veg Dry Pepper Pappad Gooseberry Chutney	Full Meals
01.30 PM – 03:30 PM	Training Session - 3	Training Session - 3	Training Session - 3	Training Session - 3	Training Session - 3	Training Session - 3	Training Session - 3
03.30 PM – 04:00 PM Cool Drinks		Cashew Milk Drink Boiled Channa	Soy Milk Drink Boiled Greengram	Badam Milk Drink Boiled Groundnut	Yogurt Drink Boiled Corn	Coconut Milk Drink Boiled Chikudu	Hemp Milk Drink Boiled Bopparulu
04.00 PM – 05:00 PM	Training Session - 4	Training Session - 4	Training Session - 4	Training Session - 4	Training Session - 4	Training Session - 4	Training Session - 4
05.00 PM – 06:30 PM	Out-bound Activities	Out-bound Activities	Out-bound Activities	Out-bound Activities	Out-bound Activities	Out-bound Activities	Out-bound Activities
06.30 PM - 07:00 PM	Evening Routine	Evening Routine	Evening Routine	Evening Routine	Evening Routine	Evening Routine	Evening Routine
07.00 PM = 07:30 PM	Tomato Curry	Rotis / Pulka Moong Dal Curry Veg Salad, Apple	Dondakaya Curry	Multigrain Dosa Sambar / Chutney Veg Salad, Water Melon	Ragi Steamed Vegetable Stew Veg Salad, Pommegr.		Steamed Idli Multi-veg. Curry Veg Salad, Chicku
07.30 PM – 09:00 PM	Meetings / Get Together	Meetings / Get Together	Meetings / Get Together	Meetings / Get Together	Meetings / Get Together	Meetings / Get Together	Movie
09:30 PM	Lights Off	Lights Off	Lights Off	Lights Off	Lights Off	Lights Off	Lights Off

7. Activities for Faculty Members & Support Staff 7.1) Certification Programmes (Workshops)

No	Workshop	Audience	Hours/Day	Learning Objectives (OBF)	Methods*	Educational Theories	Follow-up
1	Curricula Design	Curricula Design Team	40 Hours / 5 full-days	At the end of this workshop, participants would be able to: Use learning theories for course design. Design courses using learning models. Design Programme learning outcomes. (PEO, PLO) Generate plan for implementation Assess & Evaluate Curricula Implementation	AL, EL, PBL	Epistemology: Engineering, Curricula Dimensions of Knowledge: 6 types Philosophy of Knowledge: 4Qs Relations: Concept Map, Mind Map Models: OBF, CDIO – Scientific Proof Standards: Bologna, Washington	Weekly Follow-up till Curricula Design Documentation and Curricula Implementation
2	Instructional Design	All Teaching Faculty Members	40 Hours / 5 full-days	At the end of this workshop, participants would be able to: Adult learning principles. Analyzing tasks and building learning objectives. Justify the need for Message design principles. Create Learning Feedback. Plan for assessments and evaluation.	AL, EL, PBL	Learning: Bloom, Kolb, Dale - Proofs Instruction: 9 Events, 17 Messages Assessment: Rogers, AFL, AOL Evaluations: Kirkpatrick - Proofs	Weekly Follow-up till "Instructional Design Documentation" is created
3	Teaching Learning Transaction	All Teaching Faculty Members	40 Hours / 5 full-days	At the end of this workshop, participants would be able to: • Plan for a course delivery • Analyze learning flow • Multi-tasking skills and practices in lecture & labs • Learning verification and validation • Maintain decorum and discipline	AL, CBL	Learning Types: DBL, SL, IBL, PBL, EL, CBL – Scientific Proofs Instruction: Gagne, ARCS, ISD Discipline Theories – students/staff	Weekly Follow-up till "Instructional Practice Documentation" is created
4	Learning Assessments & Evaluation	All Teaching Faculty Members	40 Hours / 5 full-days	At the end of this workshop, participants would be able to: • Differentiate myths and facts on assessment, evaluation • Analyze formative, summative, confirmative assessment • Identify holistic learning assessment and behavior • Design learning evaluation tools • Verify learning sustenance	AL, EL, IBL, PBL	Assessments: Formative, Summative, Confirmative - Proofs Feedback: Rogers, Thurlings Evaluation: Kolb, Kirkpatrick Sustenance: Scriven, Ringer	Weekly Follow-up till "Assessment & Evaluation Practice Documentation" is created
5	Educational Behavioral Essentials	All Teaching Faculty Members	40 Hours / 5 full-days	At the end of this workshop, participants would be able to: • Analyze psycho-socio elements of Teaching Profession • Create identity and roles • Differentiate personality perceptions and reality • Distinguish the generations and their characteristics • Manage self in dynamic ecosystem	IBL, Probe	Theory: Psycho-Social behavioral Identity-roles: Personal, Public, Professional Anthropology and Generations Learning dynamics and behavior	Weekly Follow-up till "Discipline & Behavior Practice Documentation" is created
6	Educational Research	Faculty Members involved in Research	40 Hours / 5 full-days	At the end of this workshop, participants would be able to: • Analyze techniques to conduct educational research • List Research Methods: Question, Theory, Methods, Reason, Replication, Generalization, Disclose • Research on learning motivation and development	IBL, PBL	Themes: Mindset, Epistemology, Mechanisms, Systems, Diversity, Inclusiveness Theory: Grounded, Ethnography, Action, Phenomenography, Discourse Analysis	Weekly Follow-up till "Educational Research - Best Practices Documentation" is created

^{*} AL – Active Learning, EL – Experiential Learning, PBL – Problem Based Learning, SL – Solution Based Learning, IBL – Inquiry Based Learning, RBL – Research Based Learning

No	Workshop	Audience	Hours/Day	Learning Objectives (OBF)	Methods*	Educational Theories	Follow-up
7	Industrial Consultancy Practices	Faculty Members involved in consultancy	40 Hours / 5 full-days	At the end of this workshop, participants would be able to: Identify domains in industrial consultancy Use theories in need analysis and consulting Design consultancy framework Generate themes in consultancy Solve client needs and requirements	IBL, PBL, EL	Domains: Strategic Studies, Problem Solving, Service Provision, Process Consulting Theories: Schein's, CAM, PC, Themes: Project, Design, Software, Management, Educational, Skill, Quality	Weekly Follow-up till "Consultancy Practices Documentation" is created
8	Funded & Sponsored Research Practices	Members involved in funded research	40 Hours / 5 full-days	At the end of this workshop, participants would be able to: Differentiate funded and sponsored research Identify research mindset and practice mindset Author to write high-impact project proposals Utilize research validation techniques Create high profile research skills	EL, IBL, PBL	Consulting Research, Scholarly Research Theories: Research Mindset, Methodology, Data Analysis, Interpretation, Research Accumen Themes: Consultancy, Infrastructure, Extensions, Incubation etc.,	Weekly Follow-up till "Funded & Sponsored Research Practices Documentation" is created
9	Scientific Educational Practices	All Teaching Faculty Members	40 Hours / 5 full-days	At the end of this workshop, participants would be able to: Identify how brain constructs knowledge, skills Use learning theories for teaching Design courses using learning models Facilitate learning with learning styles Generate positive outlook towards learning	EL, PBL	3Cs, Andra, Ergo, Ubuntu gogies ADDIE, ARCS, DBL, SL, IBL, PBL, EL, CBL, Concept, Mind-Map Instructional & Course Design, Conduction, Assessment, Evaluation Discipline Theory, Pillars to Succeed	Weekly Follow-up till "Scientific Learning Practice Documentation" is created
10	Learning & Leading	Principals, Deans, Directors, Heads of Departments	40 Hours / 5 full-days	At the end of this workshop, participants would be able to: Identify how brain learns competency Use Educational Theories for Positionality Build Skills, Competency & Performance Learn Theories to Mentor, Coach, Guide Inculcate Responsibility and Accountability	EL, PBL, IBL	Theory: Heuta, Ubuntu, Tirby gogies Dimension: Skill-Competency Matrix Method: Coaching, Discipline, Feedback Practice: Culture Relations formation Roles: Rules, Responsibilities Accountability, Corrections	Monthly Sustenance follow-up for 6 months Help for setting up "Leadership Competency Center"
11	Technology enabled Learning	All Teaching Faculty Members	40 Hours / 5 full-days	At the end of this workshop, participants would be able to: Identify learning with technology tools Learn to learn using technology Experimenting using virtual environments Identify learning measurement techniques Relate e-Content and multi-dimensional content	PBL, CBL, IBL	Theory: Ergonagy, Technogogy, Ubuntugogy Tools: All MOOC, Web 2+ Case Studies: NPTEL, A-View	Weekly Follow-up till "Scientific Learning Practice Documentation" is created
12	Cultivation of Research Mindset	All Faculty involved in Research	40 Hours / 5 full-days	At the end of this workshop, participants would be able to: Identify how brain analyzes and synthesizes Assess research thought mindset and perception Distinguish facts, concepts, principles, theory and law Choose directional, dimensional, phenomenal, oriental Identify behavioral implications in cultivating mindset	CBL, RBL	6 Dimensions of knowledge 4Q principles and practice ADDIE, Knowledge construction Theory: Brain Quadrants Assessments: Benziger, McCrae	Weekly Follow-up till "Scientific Research Mindset Practice Documentation" is created

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7.2) Certification Programmes (Workshops) for Support Staff and Maintenance Staff

No	Workshop	Audience	Hours/Day	Learning Objectives (OBF)	Methods*	Educational Theories	Follow-up
1	Perceptual Learning for Skill Development	Support Statt	40 Hours / 5 full-days		EL, PBL, SL	Ergonagy, Heutagogy Skill-Development Matrix Mind-Map, Technical Instructional Practices Skill Measurement Scale	Monthly Sustenance follow-up for 6 months Help in setting up "Skill Development Cell"
2	Workplace Ethics and adapting to Cultural Diversity	All Technical / General Maintenance / Security Staff	5 full-days	At the end of this workshop, participants would be able to: Identify workplace diversity Personality and egocentricity Identify ethical behavior in workplace Distinguish discipline and personality traits Identify counseling and behavioral issues	CBL, SL	Theory: Socio-cultural Settings: Ethics, Morals, Culture, Religion, Values Personal: Honesty, Integrity, Class: Submissive, Insufficiency, Deficiency	Weekly Follow-up till "Culture and Practices Documentation" is created

7.3) Conferences, Symposium & Events for Higher Education Teachers

No	Conference / Symposium	Audience	Hours/Day	Learning Objectives (OBF)	Methods*	Educational Theories	Follow-up
1	International Conference in Education	All Teaching Faculty	24 Hours / 3 full-days	At the end of this conference, delegates would be able to: Identify new teaching-learning strategies Provide opportunities to share innovations in learning Learn from others experiences and success stories Discuss aspects to improve learning experience Generate collaboration among teaching fraternity	EL, PBL, SL	All Areas of Higher Education and Research	Monthly Sustenance follow-up for 2 months to help set up teaching learning centers in educational institutions
2	Symposium on Teaching Learning in Higher Education	All Technical / General Maintenance / Security Staff	24 Hours / 3 full-days	At the end of this symposium, delegates would be able to: Identify interested faculty members in teaching learning Provide a platform to share new thoughts and ideas Learn from others experiences and learning's Discuss activities for cooperative learning development Generate collaboration among teaching faternity	CBL, SL	All Areas of Higher Education and Research	Weekly Follow-up till "Culture and Practices Documentation" is created
3	Teaching Skill Event	All Technical / General Maintenance / Security Staff	24 Hours / 3 full-days	At the end of this event, delegates would be able to: Identify new teaching techniques for producing a skill Analyze ways of learning skills and practices Identify best methods to teach a topic Distinguish between surface and deep learning Create teaching learning materials	CBL, SL	Specific Areas of Higher Education and Research	Weekly Follow-up till "Teaching Culture and Practices Documentation" is created

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8. Activities for Students

8.1) PG Diploma Programme

No	Name of the PG Diploma Programme	Target Audience	No. of Hours/ Day	Learning Objectives	Learning Methods*		Follow-up Actions
1	in Engineering	Present Masters students	240Hours		AL, EL, PBL, SL, IBL, RBL	Learning Theory, Style Methods, Methods, Evaluation, Curricula Scientific proofs and evaluations GT, EG, AR, DA	Sustenance follow-up for next 3 months to establish "Engineering Teaching Competency"
2	in Dental Education	Present Masters students	240Hours	At the end of this Certification, participants would be able to: • Analyze learning needs and provide solutions • Develop educational materials • Facilitate learning environments	AL, EL, PBL, SL, IBL, RBL	Learning Theory, Style Methods, Methods, Evaluation, Curricula Scientific proofs and evaluations GT, EG, AR, DA	Sustenance follow-up for next 3 months to establish "Dental Teaching Competency"
3	in Pharmacy	Present Masters students	240Hours	At the end of this Certification, participants would be able to: • Analyze learning needs and provide solutions • Develop educational materials • Facilitate learning environments	AL, EL, PBL, SL, IBL, RBL	Learning Theory, Style Methods, Methods, Evaluation, Curricula Scientific proofs and evaluations GT, EG, AR, DA	Sustenance follow-up for next 3 months to establish "Pharmacy Teaching Competency"

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[•] GT – Grounded Theory, EG – Ethnography, AR – Action Research, PG – Phenomenography, DA - Discourse Analysis

8.2) Certification Programmes (Workshops) for Undergraduate & Students

No	Name of the Workshop	Target Audience	No. of Hours/ Day	Learning Objectives	Learning Methods*	Educational Theories	Follow-up Actions
1	Perceptual Learning in Thinking (PET)	First Year Students	40 Hours 5 full-days	At the end of this workshop, participants would be able to: • Develop engineering thinking • Identify thinking, intelligences, personality & learning style • Cultivate self-responsibility and self-discipline • Use behavioral theories for self identify & positioning • Identify learning needs, qualities & strengths • Practice engineering thinking with demonstrations	EL, PBL, IBL	Pedagogy, Andragogy, 3C's, Inquiry Holistic Thinking Pyramid, Arts to Engineering, Cone of Learning Social, Emotional Balance Ubuntugogy, Conditions of Learning Discipline Theories, Pillars to Succeed Psychomotor, Affective & Cognitive Taxonomy of Educational Objectives	Sustenance follow-up for next 3 months Help for setting up "Student Learning Practice Center"
2	Perceptual Learning in Fundamentals (PLF)	Second Year Students	40 Hours 5 full-days	At the end of this workshop, participants would be able to: • Identify how brain learns fundamental knowledge • Use cognitive theories for learning courses • Promote learning methods and tools • Identify work interest and positioning • Self-assess leisure and work interest • Practice learning retention exercises	AL, EL, PBL, DL, SL, IBL	Educational Epistemology 6D's of Fundamental Knowledge DBL, SL, IBL, PBL, EL, CBL Concept Map & Mind-Map SII, MII, KSA Matrix, Elaboration theory Learning Assessment & Evaluation Myths to Laws, Learning Cycle Learning Design Framework	Sustenance follow-up for next 3 months Help for setting up "Engineering Funda Practice Lab"
3	Perceptual Learning in Applications (PLA)	Third Year Students	40 Hours 5 full-days	At the end of this workshop, participants would be able to: • Identify purpose of existence and life values • Use cognitive theories for learning technical applications • Interrelate skill, knowledge, competency • Developing research thinking • Generate skill coaching matrix & metrics • Grow from knowledge to wisdom	EL, PBL, SL, IBL	Ergonagy, Heutagogy ADDIE, ARCS, Component Display Instructional System Design Skill-Competency Matrix Occupational Orientation Mentor, Coach, Guide, Supervise Skill Measurement Scale Feedback Methods & Analysis	Sustenance follow-up for next 3 months Help in setting up "Project Development Lab"
4.A	Perceptual Orientation for Corporate Readiness (PCR)	Careers towards Jobs	40 Hours 5 full-days	At the end of this workshop, participants would be able to: • Identify metacognitive self governance • Relate learning & work culture to growth potential • Relate practice to skill construction to job success	EL, PBL, SL, IBL	Truth, Honesty, Integrity & Values Learning competency framework Career competency and skill acquisition Leadership learning and practice	Sustenance follow-up for next 3 months Help in setting up "Skill Development Centre"
4.B	Perceptual Orientation for Higher Education & Research (PHER)	Careers towards Education & Research	40 Hours 5 full-days	At the end of this workshop, participants would be able to: Cultivate research mindset Create mathematical expressive skill Create Research Proposals	EL, PBL, IBL	Behaviorist, Humanist, IP Model, Activity Model, Situated, Constructivism, Truth, Honesty, Integrity & Values CDIO, Introspection, Self-actualization	Sustenance follow-up for next 3 months in setting up "Learning Research Lab"

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8.3) Certification Programmes (Workshops) for Postgraduate Students

No	Name of the Workshop	Target Audience	No. of Hours/ Day	Learning Objectives	Learning Methods*	Educational Theories	Follow-up Actions
1	Perceptual Learning in Higher Thinking (PHET-I)	First Year Post Graduate Students	40 Hours 5 full-days	At the end of this workshop, participants would be able to: • Develop ability to think in analytical and logical terms • Identify how brain analyzes and synthesizes • Utilize message design for effective learning • Practice learning verification and validation • Distinguish facts, concepts, principles, theory and law • Inculcate responsibility and accountability	EL, PBL, IBL	Andragogy, Heutagogy, Inquiry Holistic Thinking Pyramid, Arts to Eng. Learning – Cone, Taxonomy, Structure Concept Map & Mind-Map Ubuntugogy, Technogogy, Conditions of Learning, Myths to Laws, Discipline Theories, Pillars to Succeed	Sustenance follow-up for next 3 months Help for setting up "Student Learning Practice Center"
2	Perceptual Learning in Research Competency (PERC-I)	Second Year Post Graduate Students	40 Hours 5 full-days	At the end of this workshop, participants would be able to: • Multi-tasking skills and practices in lecture & labs • Identify behavioral implications in cultivating mindset • Learn to learn using technology • Assess research thought mindset and perception • Choose directional, dimensional, phenomenal, oriental • Assess research thought mindset and perception	AL, EL, PBL, DL, SL,IBL	Epistemology of Education 6 Dimensions of knowledge 4Q principles and practice ADDIE, Knowledge construction SII, MII, Elaboration theory Research Assessment & Evaluation Learning Cycle, Design Framework	Sustenance follow-up for next 3 months Help for setting up "Engineering Research Practice Lab"
3	Perceptual Orientation for Corporate Readiness (PCR)	Careers towards Industrial Jobs	40 Hours 5 full-days	At the end of this workshop, participants would be able to: • Identify metacognitive self governance • Relate learning & work culture to growth potential • Relate practice to skill construction to job success	EL, PBL, SL, IBL	Behaviorist, Humanist, IP Model, Activity Model, Situated, Constructivism, Truth, Honesty, Integrity & Values CDIO, Introspection, Self-actualization	Sustenance follow-up for next 3 months Help in setting up "Skill Development Council"

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9. Library

The following books constitute the Library of VEDIC at the first phase and would increment over time.

S.N	Title	Author / Editor	ISBN	Publisher	Copies	INR	INR
	Deep Learning : Beyond 21st Century Skills	James Bellanca	9781936763351		1	1715	1713
۷.	Age-Proofing Your Brain - 21 Key Factors You Can Control	Arlene Taylor	9781887307840	Sucess Resources International	1	219	
	Active Learning: 101 Strategies to Teach Any Subject	Mel Silberman	9780205178667	Pearson	1		3971
4.	Unforgettable Experiential Activities: An Active Training Resource	Melvin L. Silberman	9780470537145	John Wiley	1		3962
Э.	Aligning for Learning: Strategies for Teaching Effectiveness	Donald H. Wulff	9781882982820	Jossey-Bass	1		4227
	Applying the Science of Learning	Richard E. Mayer	9780136117575	Pearson	1		3930
١.	Applying Cognitive Science to Education: Thinking and Learning in Scientific and Other Complex Domains	Frederick Reif	9780262515146	Bradford	1		1881
8.	Assessing Student Learning: A Common Sense Guide	Linda Suskie, Trudy W. Banta	9780470289648	_	1	1888	2940
9.	Awaken the Learner	Darrell Scott, Robert Marzano	9780991374816	Marzano Research Laboratory	1	903	1133
	A Handbook for High Reliability Schools	Robert J. Marzano, Phil Warrick, Julia A. Simms	9780983351276	Solution Tree	1	904	1375
	A Handbook of Reflective and Experiential Learning: Theory and Practice	Jennifer A. Moon	9780415335164	Routledge	1	1434	13195
	A Taxonomy for Learning, Teaching, and Assessing: A Revision of Bloom's Taxonomy of Educational Objectives	Lorin W. Anderson, David R. Krathwohl, Peter W. Airasian, Kathleen A. Cruikshank, Richard E. Mayer, Paul R. Pintrich, James Raths, Merlin C. Wittrock	9780801319037		1		4964
13.	A User's Guide to Thought and Meaning	Ray Jackendoff	9780199693207	Oxford University Press	1	188	895
	Basics of Qualitative Research: Techniques and Procedures for Developing Grounded Theory	Juliet Corbin, Anselm Strauss	9781412906449	SAGE Publications	1		4850
15.	Becoming a Reflective Teacher	Robert J. Marzano, With Tina Boogren (Author), Tammy Heflebower (Author), Jessica Kanold-McIntyre (Author), Debra Pickering (Author)	9780983351238	Marzano Research Laboratory	1	1176	1878
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Holton III, Richard A. Swanson The Art and Craft of College Teaching: A Guide for New Professors and Graduate Students The Behavior Code A Practical Guide to Understanding and Teaching the Most Challenging Students The BTSA User Manual 2nd Edition: A Guide to the Development, Validation and Use of the Benziger Thinking Styles Assessment The Blackwell Guide to the Philosophy of Education The Cambridge Handbook of Cognitive Science Holton III, Richard A. Swanson Robert Rotenberg 9781598745344 Left Coast Press 1 1809 6583 Harvard Education Press 1 2225 The Art and Craft of College Teaching: A Guide for New Professors and Graduate Students Robert Rotenberg 9781612501369 Press 1 2327 1809 6583 1 2285 The Blackwell Guide to Understanding And Use of the Benziger Thinking Styles Assessment Nigel Blake, Paul Smeyers, Richard D. Smith, Paul Standish Nigel Blake, Paul Smeyers, Richard D. Smith, Paul Standish Nigel Blake, Paul Smeyers, Richard D. Smith, Paul Standish Nigel Blake, Paul Smeyers, Richard D. Smith, Paul Standish Nigel Blake, Paul Smeyers, Richard D. Smith, Paul Smeyers, Richard D. Smith, Paul Standish Nigel Blake, Paul Smeyers, Richard D. Smith, Paul Smeyers, Richard D. Smith, Paul Smeyers, Richard D. Smith, Paul Smeyers, Ramsey Nigel Blake, Paul Smeyers, Richard D. Smith, Paul Smeyers, Richard D. Smith, Paul Smeyers, Richard D. Smith, Paul Smeyers, Ramsey Nigel Blake, Paul Smeyers, Richard D. Smith, Paul Smeyers, Ri	153			9780670014668	Viking Adult	1		1313
Professors and Graduate Students The Behavior Code A Practical Guide to Understanding and Teaching the Most Challenging Students The BTSA User Manual 2nd Edition: A Guide to the 157. Development, Validation and Use of the Benziger Thinking Styles Assessment Nigel Blake, Paul Smeyers, Richard D. Smith, Paul Standish The Blackwell Guide to the Philosophy of Education The Cambridge Handbook of Cognitive Science RODET Roteriberg 9781612501369 Harvard Education Press 1 2285 CreateSpace Independent 1 2738 Nigel Blake, Paul Smeyers, Richard D. Smith, Paul Standish Nigel Blake, Paul Smeyers, Richard D. Smith, Paul Standish The Cambridge Handbook of Cognitive Science Keith Frankish, William Ramsey 9780521691901 Cambridge University Press 1 809 6303 CreateSpace Independent 1 732 975 Cambridge University Press 1 937 2534	154			9781856178112	Taylor & Francis	1	2527	3397
The BTSA User Manual 2nd Edition: A Guide to the	155	Professors and Graduate Students	_	9781598745344	Left Coast Press	1	1809	6583
157. Development, Validation and Use of the BenzigerKatherine Benziger9781453743973Independent Publishing12738158. The Blackwell Guide to the Philosophy of EducationNigel Blake, Paul Smeyers, Richard D. Smith, Paul Standish9780631221197Wiley-Blackwell1732975159. The Cambridge Handbook of Cognitive ScienceKeith Frankish, William Ramsey9780521691901Cambridge University Press19372534160. The Challenge of Reframing Engineering EducationDennis Sale9789814560283Springer161656490	156	and Teaching the Most Challenging Students		9781612501369	Press	1		2285
158. The Blackwell Guide to the Philosophy of EducationRichard D. Smith, Paul Standish9780631221197Wiley-Blackwell1732975159. The Cambridge Handbook of Cognitive ScienceKeith Frankish, William Ramsey9780521691901Cambridge University Press19372534160. The Challenge of Reframing Engineering EducationDennis Sale9789814560283Springer161656490	157	The BTSA User Manual 2nd Edition: A Guide to the Development, Validation and Use of the Benziger	Katherine Benziger	9781453743973	Independent	1		2738
Ramsey 9789814560283 Springer 1 6165 6490	158	The Blackwell Guide to the Philosophy of Education	Richard D. Smith, Paul Standish	9780631221197		1	732	975
			Ramsey		University Press			2534
			Dennis Sale Howard Eichenbaum			1	6165 855	6490 4406

				Press			
162	The Conditions of Learning: Training Applications	Robert M. Gagne, Karen L.	9780155021068	Wadsworth	1		20,032
	The Core Six: Essential Strategies for Achieving	Medsker Matthew J. Perini, Harvey F.		Publishing			
163.	Excellence with the Common Core	Silver	9781416614753	Heinle EL I	1		965
	The Course Syllabus: A Learning-Centered Approach	Judith Grunert O'Brien, Barbara J. Millis, Margaret W. Cohen, Robert M. Diamond	9780470197615	Jossey-Bass	1	1294	1362
165.	a Teacher's Life, Tuth Anniversary Edition	Parker J. Palmer	9780787996864	Jossey-Bass	1	671	3407
166.	The Fifth Discipline: The Art & Practice of The Learning Organization	Peter M. Senge	9780385517256	Doubleday	1		1099
	The Fifth Discipline Fieldbook: Strategies and Tools for Building a Learning Organization	Peter M. Senge	9780385472562	Crown Business	1	553	1400
	The Gamification of Learning and Instruction	Karl M. Kapp	9781118096345	ASTD	1	2552	4363
109.	The Handbook of Transformative Learning: Theory, Research, and Practice	Edward W. Taylor, Patricia Cranton	9780470590720	•	1	3318	5210
170.	The Having of Wonderful Ideas: And Other Essays on Teaching and Learning	Eleanor Duckworth	9780807747308	Teachers College Press	1	981	1705
171.	The Highly Engaged Classroom	Robert Marzano, Debra Pickering, Tammy Heflebower	9780982259245	Marzano Research Laboratory	1	608	1412
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175.	The Mind Map Book: How to Use Radiant Thinking to Maximize Your Brain's Untapped Potential	Tony Buzan, Barry Buzan	9780452273221	Plume	1		1308
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		Walter Dick, Lou Carey, James O. Carey	9780205585564	Pearson	1		4662
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186.	To Sir with Love	E. R. Braithwaite	9780515105193	Jove	1	59	199
187.	Transforming Learning with New Technologies	Robert W. Maloy, Ruth-Ellen Verock-O'Loughlin, Sharon A. Edwards, Beverly P. Woolf	9780133155716		1		3488
188.	Transformative Assessment	W. James Popham	9781416606673	Association for Supervision & Curriculum Development	1		1664
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190.	The Handbook of Transformative Learning: Theory, Research, and Practice	Edward W. Taylor, Patricia Cranton	9780470590720	Jossey-Bass	1	3318	5210
	Training Games: Simple and Effective Techniques to Engage and Motivate Learners	Steve Sugar, Jennifer Whitcomb	9781562864514		1		1331
	Thriving in Mind: The Natural Key to Sustainable Neurofitness	Katherine Benziger	9781492802471	CreateSpace Independent Publishing	1		2816
193.	Tools for Teaching	Barbara Gross Davis	9780787965679	Jossey-Bass	1	2228	3766
	Understanding by Design: Professional Development Workbook	Jay McTighe	9780871208552	Association for Supervision and Curriculum Development	1		1728
	Understanding Emotions in the Classroom	Claudia Shelton, Robin Stern	9781887943659		1		3158
196.	Understanding Motivation and Emotion	Johnmarshall Reeve	9780470392232	Wiley	1		2616

					TOTAL		7,52,746
205.	Your Brain Has a Bent - Not a Dent	Arlene R Taylor, W. Eugene Brewer	9781887307758	Sucess Resources International	1	278	2713
204.	Web 2.0 How-to for Educators	Gwen Solomon, Lynne Schrum	9781564843517	International Society for Technology in Education	1		4010
203.	What the Best College Students Do	Ken Bain	9780674066649	Belknap Press	1	605	1653
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201.	Visible Learning and the Science of How We Learn	John Hattie, Gregory C. R. Yates	9780415704991	Routledge	1	2047	2202
200.	Visible Learning: A Synthesis of Over 800 Meta-Analyses Relating to Achievement	John Hattie	9780415476188	Routledge	1	2675	9989
	Using Common Core Standards to Enhance Classroom Instruction & Assessment	Robert J. Marzano, David C. Yanoski, Jan K. Hoegh, Julia A. Simms	9780983351290	Marzano Research Laboratory	1	1165	1656
198.	University Teaching in Focus: A learning-centred approach	Lynne Hunt, Denise Chalmers	9780521588492	Routledge	1	1620	2544
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10. Conclusion

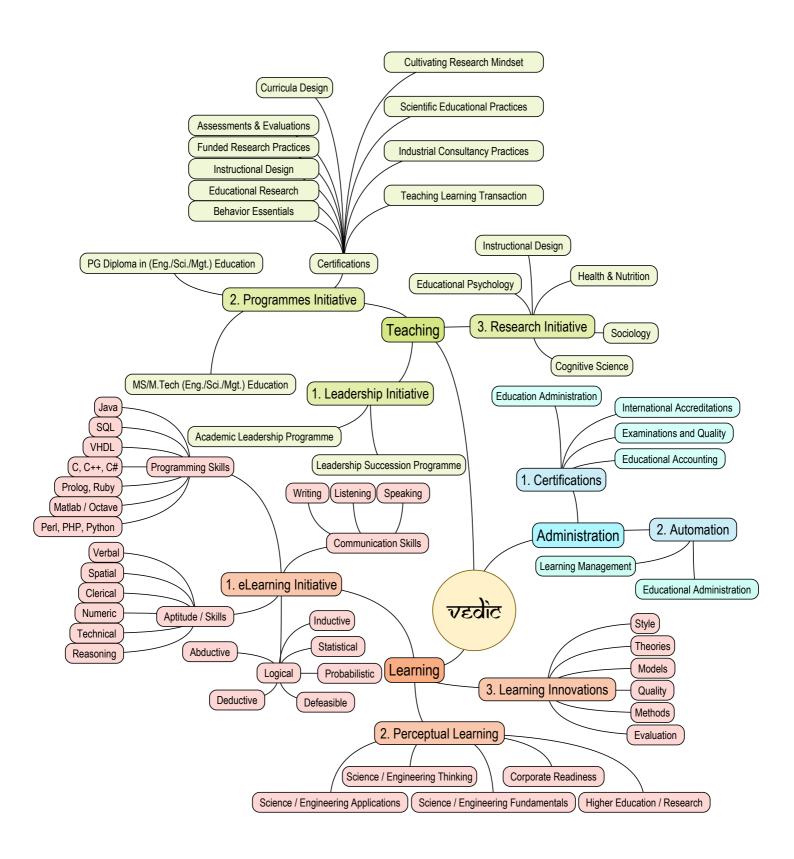
The VEDIC will be a powerful mechanism for engaging students, faculty, and staff across campuses, their disciplines and professions, and their own learning and career development processes.

This centre would conduct both fundamental and applied research in the field of education that suits to improve learning and educational practices in the educational streams of arts, science, medicine and engineering.

The Center can provide a model for the Vishnu Group of Institutions, in achieving excellence toward integrating academic and student support services by placing the student experience at the heart of its activities and empowering students to become institutional and community leaders in all areas of the institution's functioning.

In addition, this Center will serve as liaison to both the broader community and the landscape of higher education itself.

This will lead to increased persistence and graduation rates by establishing students, faculty and staff as co-participants within the very activities and programs central to an improved education and the success of its constituents.



Workshop on

Scientific Educational Practices

(Organized for faculty members of the Institutions under Sri Vishnu Educational Society)

Proceedings





Organized & Conducted by

Vishnu Educational Development & Innovation Centre

(रहवींट)

Hyderabad, Telangana, India

14 - 16 April 2016



(Organized for faculty members of the Institutions under Sri Vishnu Educational Society)

14 – 16 April 2016

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14 – 16 April 2016

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14 - 16 April 2016

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14 - 16 April 2016

Schedule

Day - 1 (14 April 2016)

Time	Sessions	Outcome
09.00 am - 09.05 am	Inauguration	
09.05 am - 10.30 am	Brain and Learning Coexistence, Cooperation	Identify how brain learns and how we socialize
10.30 am - 10.45 am	Tea	
10.45 am - 12.30 pm	Learning and its Components Qualities of Teachers	Elements involved in the learning process and how teachers build quality
12.30 pm - 01.15 pm	Lunch	
01.15 pm - 02.45 pm	Memory & Intelligence Knowledge Construction	Identify how knowledge gets constructed and converts into intelligence
02.45 pm - 03.00 pm	Tea	
03.00 pm - 05.00 pm	Thoughts, Learning, Intelligence, Personality	Identify our Thoughts, Learning Styles, Intelligences and Personality

Day - 2 (15 April 2016)

	-	
Time	Sessions	Outcome
09.00 am - 10.30 am	Pedagogy & its Components Theories in Learning	List the educational theories and its components
10.30 am - 10.45 am	Tea	
10.45 am - 12.30 pm	Active Learning Learning Outcomes	Identify how learning outcomes can be achieved through active modes
12.30 pm - 01.15 pm	Lunch	
01.15 pm - 02.45 pm	Curricula Analyzing & Planning Creating Learning Evaluation	Analyze elements in curricula and to construct a learning plan
02.45 pm - 03.00 pm	Tea	
03.00 pm - 05.00 pm	Cone of Learning Instructional System Design	Recognize the learning retention techniques and instructional design

Day - 3 (16 April 2016)

Time	Sessions	Outcome
09.00 am - 10.30 am	Learning Demonstrations Reflective Thinking for Teaching	Demonstrate teaching incorporating pedagogical aspects
10.30 am - 10.45 am	Tea	
10.45 am - 12.30 pm	Learning Demonstrations Reflective Thinking for Teaching	Demonstrate teaching incorporating pedagogical aspects
12.30 pm - 01.15 pm	Lunch	
01.15 pm - 02.45 pm	Pillars to Succeed	Identify the pillars that helps us succeed in our career and jobs
02.45 pm - 03.00 pm	Tea	
03.00 pm - 04.50 pm	Personal Achievement Strategies	Visualize from experts the secret to achieve personal success
04.50 pm - 05.00 pm	Valediction	



Workshop on

Scientific Educational Practices

Rajeev Sukumaran

Teaching Learning Centre, IIT Madras, Chennai &

Christhu Raj M R

University Learning Centre, SRM University, Chennai



Purpose / Rationale

Each one of us could write atleast 5 reasons as to

What is our expectation from this workshop?

When...?

Why... ?

Where...?

Which...?

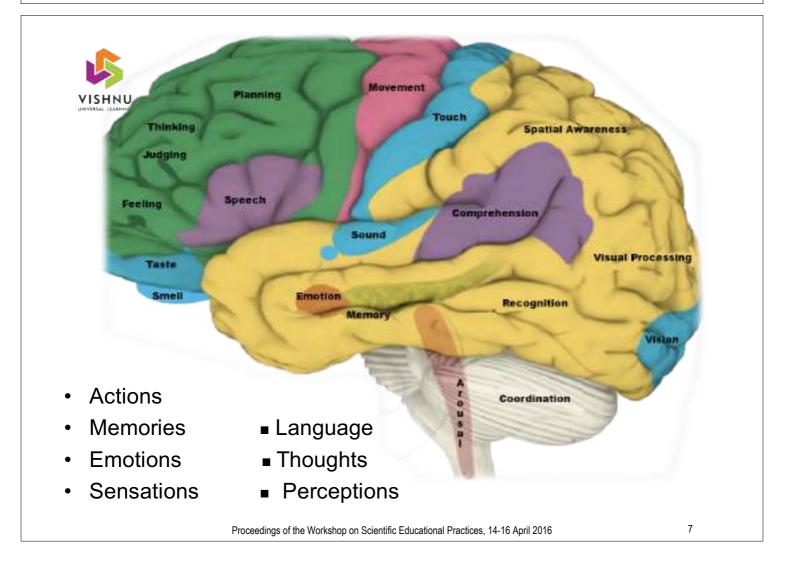
Who... ?

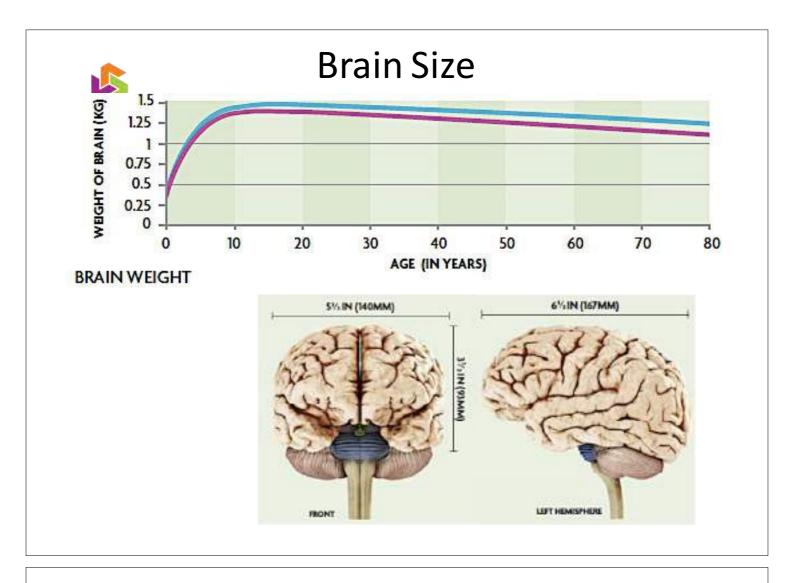
How... ?



Part - 1

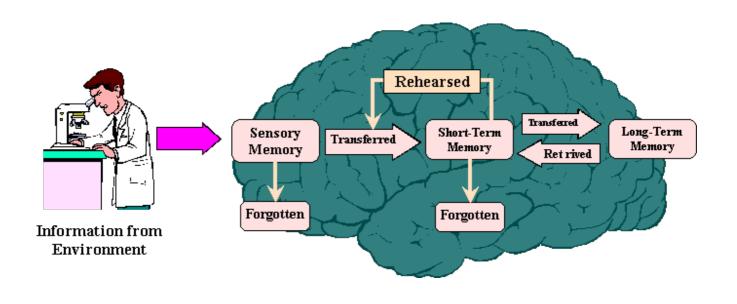
Brain and Learning & Coexistence, Cooperation, Collaboration

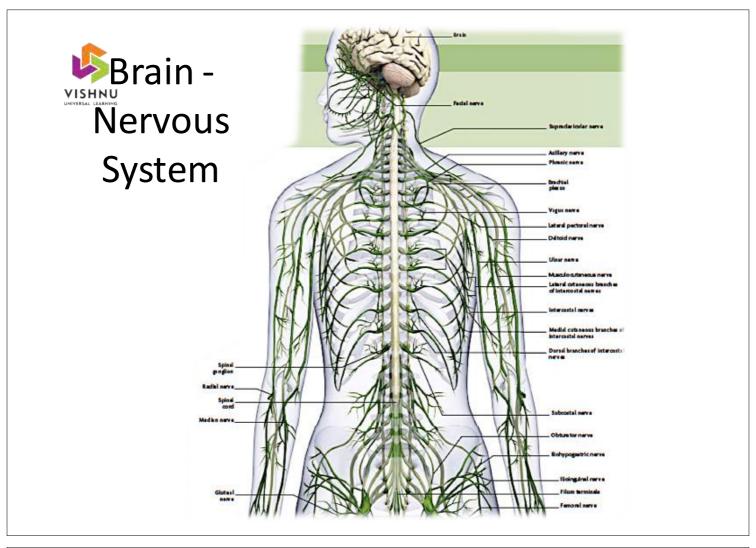


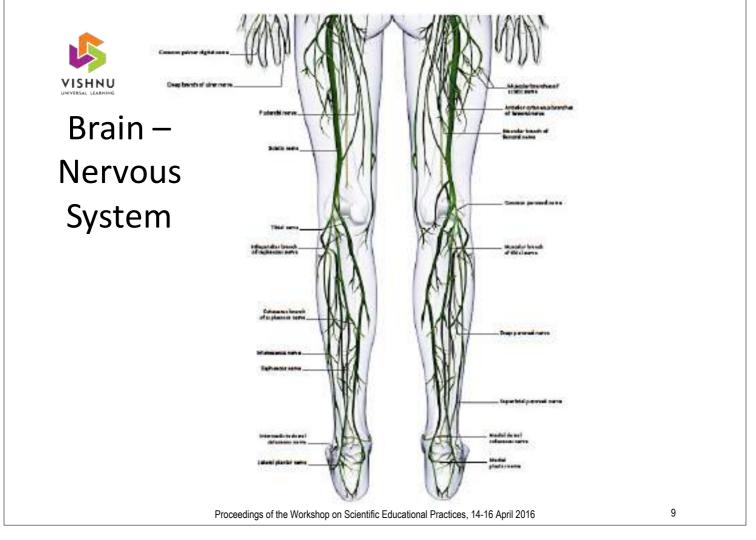


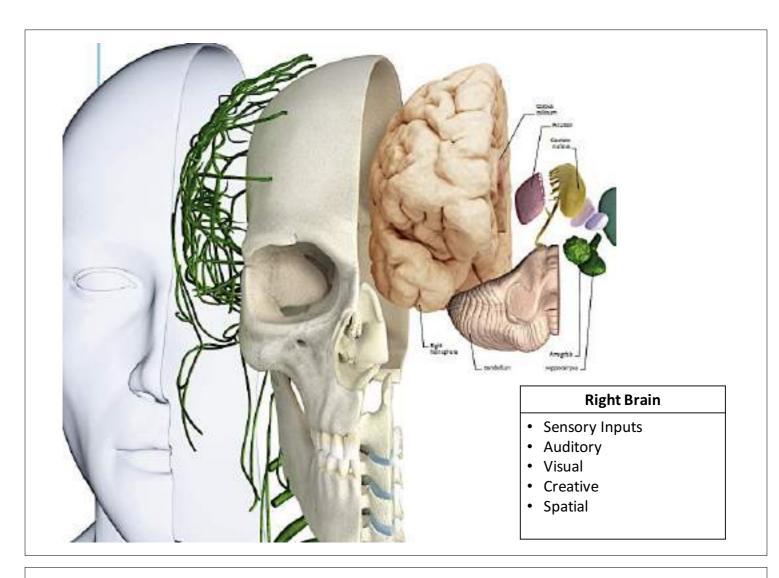


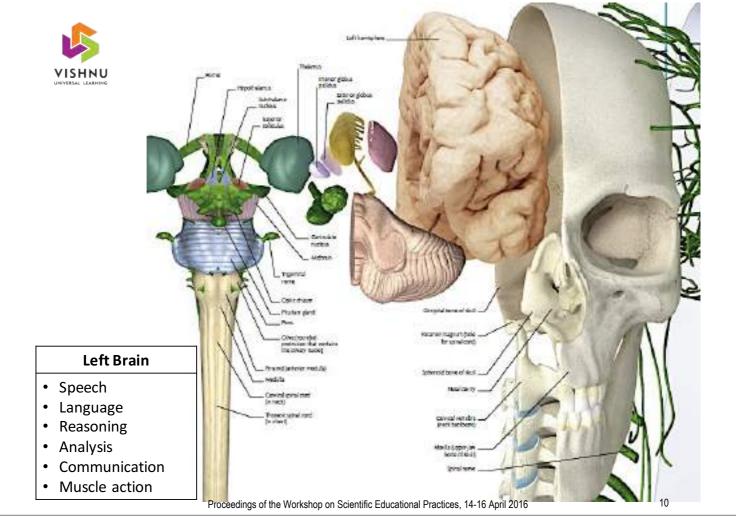
How the Brain Learns













Four Quadrants of our Brain

FRONT

Logic

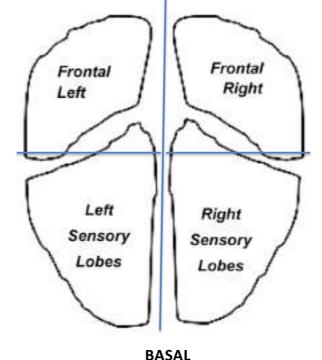
Will Power

Precision

Detailed

Practical

Routine



Imaginative

Pattern-Sensitive

Abstract

Sensitivity

Harmonize

Relate



Frontal Left

- Financial, Structural & Mathematical Analysis
- Weighing all the variables
- Logical Decision making
- Negotiations & Debate
- · Prioritizing



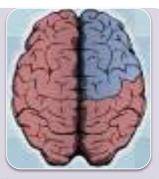
Basal Left

- Monitoring
- Attention to Detail
- Routine Procedures
- Holding firm to Schedules
- Procedural & Administrative Support



Basal Right

- Nurturing
- Celebrating
- Encouraging
- Soothing & Harmonizing
- Establishing a sense of bonding and belonging

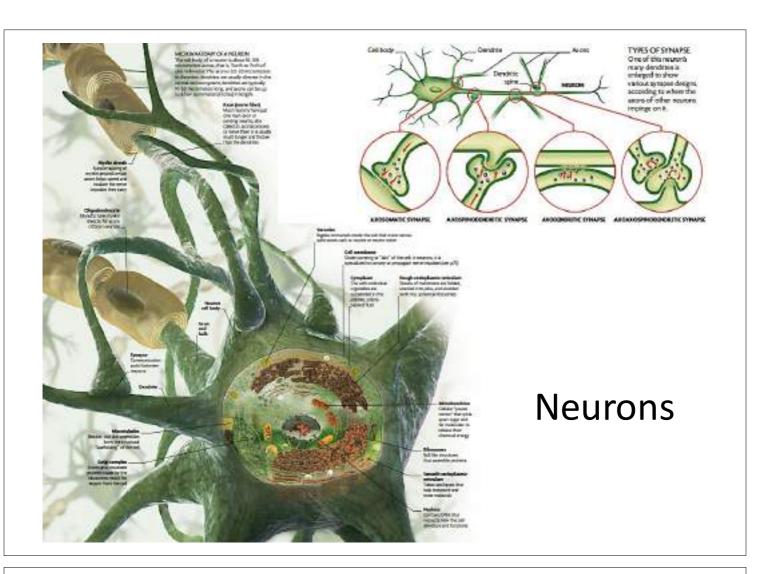


Frontal Right

- Imagination and Creativity
- Troubleshooting
- · Risk-taking
- Innovation
- Humour

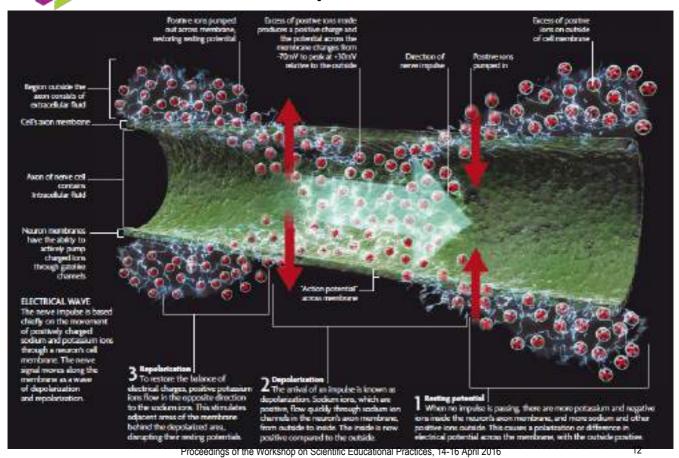
Proceedings of the Workshop on Scientific Educational Practices, 14-16 April 2016

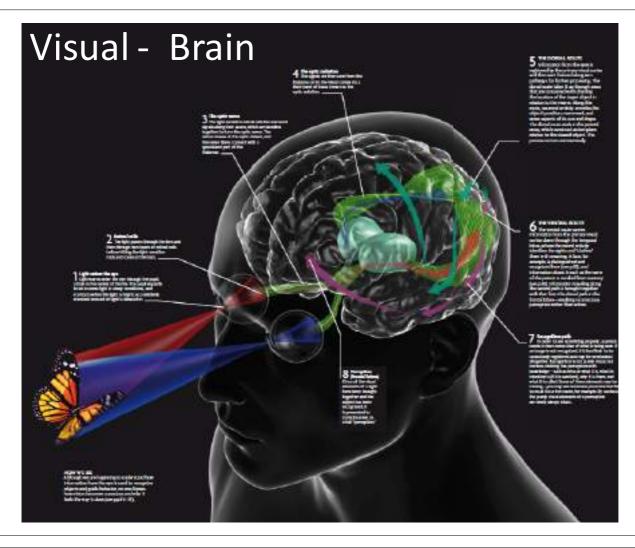
11

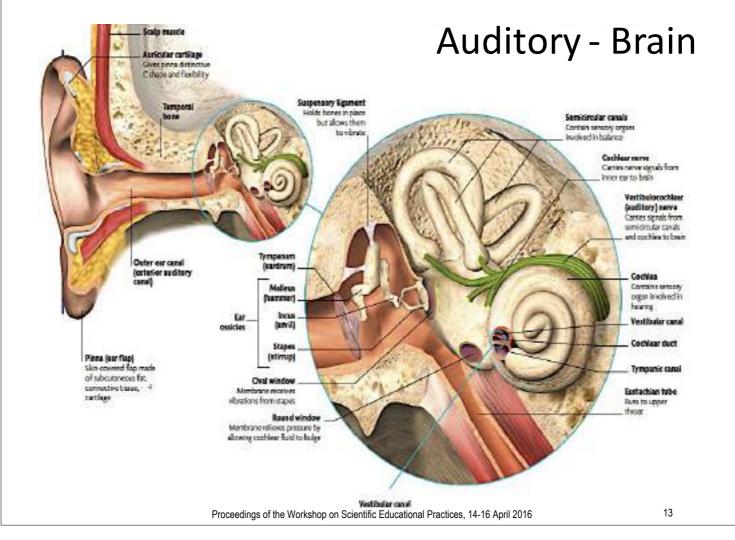


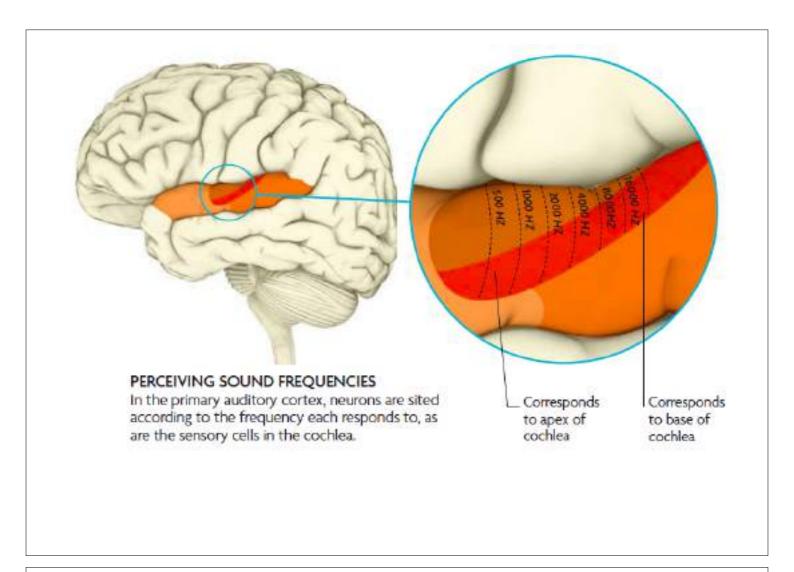


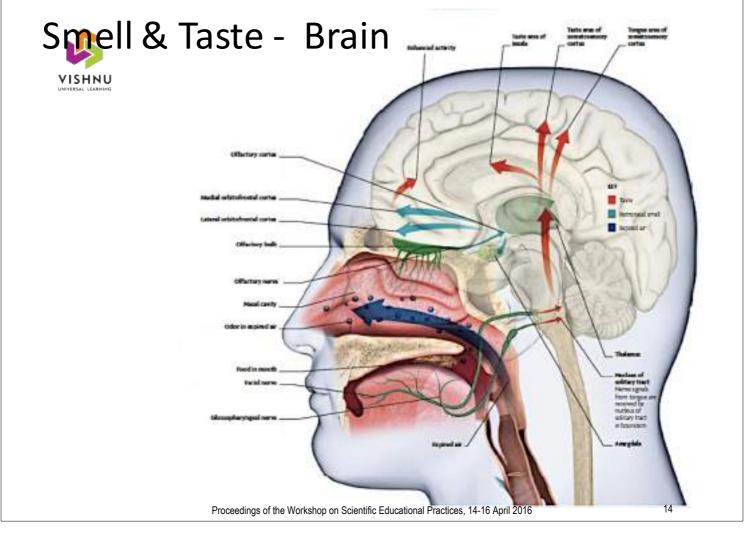
Electrical Impulse in a Brain

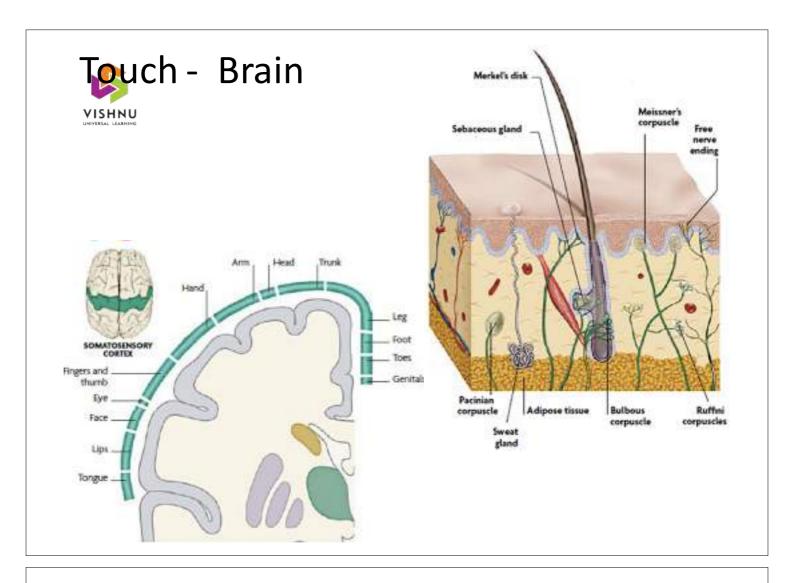


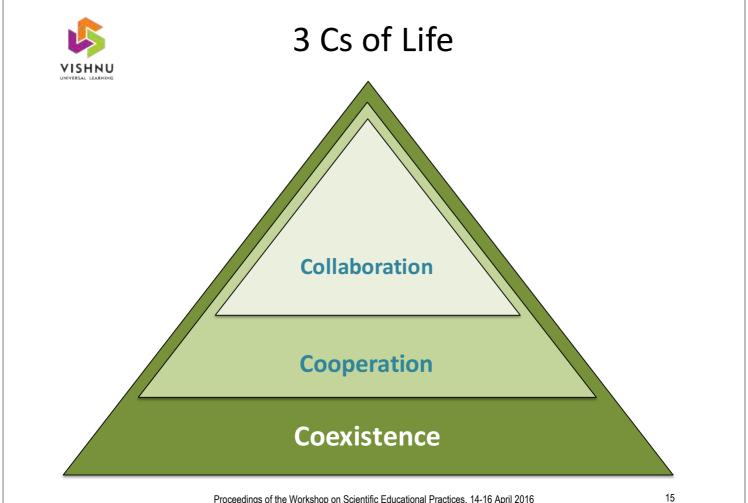














Part - 2

Learning and its Components & Qualities of Teachers



"Teachers" - we cherish

- List those teachers who have changed our life
- · Write the reasons as to what change they brought in our life
- Have we ever thanked them for being a change agent in our life?
- Have we had "horrible teachers" while we were studying?
- Why is it that all teachers are not change agents in our lives?



Qualities of a "Good" Teacher

- Encourage
- Honest
- Dedication
- Friendly
- Self control
- Motivators
- Unbiased
- Pointing mistakes
- Initiators
- Respect for others
- Moral Support
- Dress code
- Humanist
- Confident

- Service minded
- Easily Approachable
- Optimistic
- Hard worker
- Passionate
- Teaching Style
- Helping Tendency
- Good learners
- Forgiving
- Care
- Technical Skills
- All rounders
- Command
- Knowledge



As a Teacher How many students will we impact?

UNIVE	ISAL LEARNING
•	No. of courses taught by me every year
•	No. of students in each of those classes
•	So in a year, I will be teaching students
•	I am years old, So before retirement I will be teachingstudents.
•	So if I was a "GOOD TEACHER", I will be the change agent for students lives



Define: Teaching

Teaching includes all activities to provide education through interaction so that learners can stand on their own feet

Define: Learning

Learning can be defined as a change in behavior as a result of experience

- 1. Reading is NOT Learning
- 2. Copying is NOT Learning
- 1. Think & Read is PARTIAL Learning
- 1. Think & Read is _____ % Learning Think & Write
- 5. Think & Read
 Think & Write is _____ % Learning
 Think & Discuss



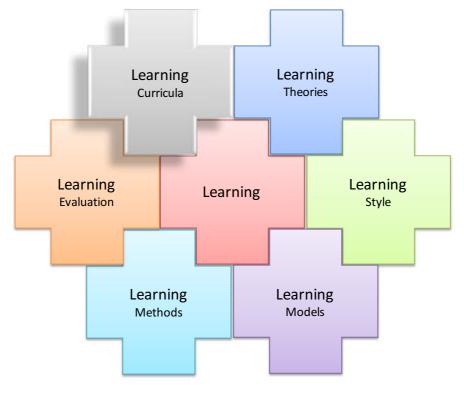
Rules for Learning

"Anything that is not THOUGHT is not learnt at all"

"Anything COPIED is NOT learnt at all"



Learning and its Components



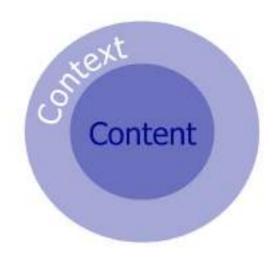


Part - 3

Memory & Intelligence & Knowledge Construction

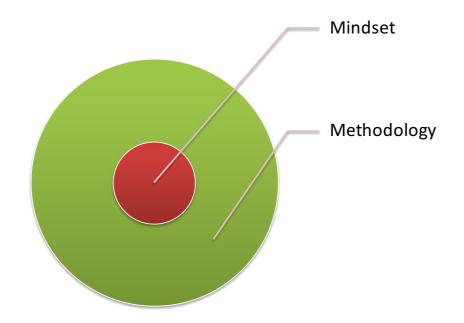


The content and context





Context: Mindset & Methodology





Harvard Research on Retention

100% The Speaker wanted to 'say'

80% was said

60% was heard

40% was remembered after 3 hrs

15% was remembered after 3 days

0-5% was remembered after 3 months

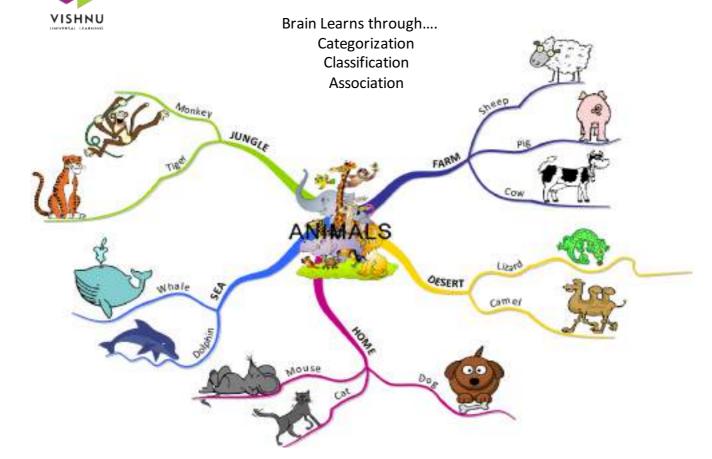


VISHNII				
Feature	Description			
1. Processing Information	A. Brain consists 100 billion cells. 10% of specialized cells are called neurons that send signal to one another. Signals are electrical, but mode is chemical, and sent through neurotransmitters			
2. Sending Signals	B. Brain registers vast amount of information, only a small amount of it is used for processing and we are conscious about that. Unconscious brain processing also initiates actions			
3. Modules and Connections	C. Different parts of brain does different things, but are heavily interconnected. Low level functions like registering sensation is localized, but high level function like memory are heavily interconnected between brain areas			
4. Individuality	D. Brain tissue can be strengthened like muscle. Brain tissues can grow physically bigger. Making the person more skillful.			
5. Plasticity	E. Blueprint of our brain is dictated by genes. Each brain is unique and hence people are unique.			

Brain Performs..... Match the features

Feature		Description		
1. Actions	,	A. Sensory information from multiple sensors bind together to form multisensory perception		
2. Memories	ا	B. Information from environment enters brain through sense organs including internal sensors. When no external stimuli is there, internal stimuli causes thoughts creating imaginations		
3. Language		C. Brain uses senses, perceptions, and emotions to generate action plans called thoughts		
4. Emotions		D. Certain stimuli causes changes in the body by activating areas in the limbic system (amygdala) and produce feelings		
5. Thoughts		E. Brain involves in production of speech and analyzing what others say, Brain has ability to link objects with abstract symbols and convey the symbols to represent a thought or idea		
6. Sensations		F. Experiences change the neural activity of brain cells, and help recall those experiences of the past to determine our present actions		
7. Perceptions	•	G. Certain body parts are specialized to produce body movement. Brainstem controls chest, lung, heart, blood pressure, muscle, nerves, limb etc.,		
	Dece	opedings of the Werkshop on Scientific Educational Prostings 14 16 April 2016		

Mind Map for Effective Learning



Let us calculate the <u>Vishelearning workload</u> of a Learner

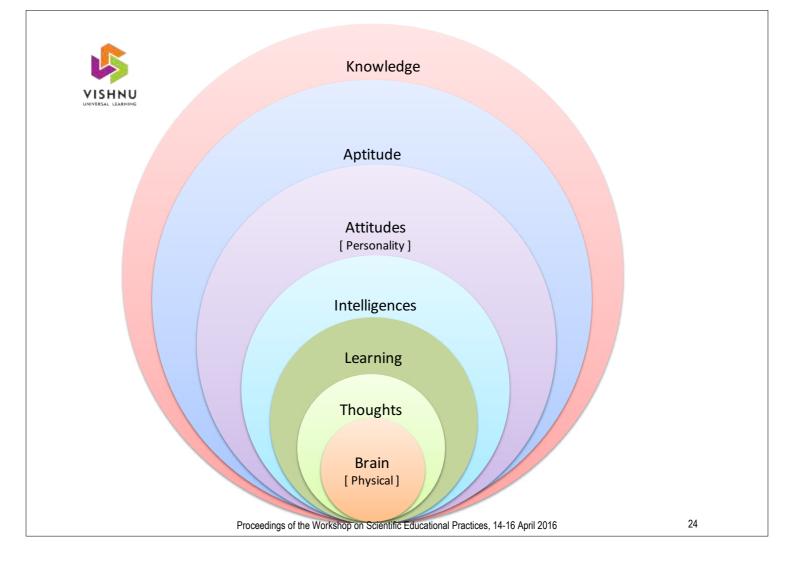
Α.	No. of Class periods in a Day (include theory and practical hours)	:
В.	Average number of Concepts taught in each of these period	:
C.	So Number of Concepts learned by students in a day (C = A X B)	:
D.	Avg. Time required to learn ONE concept by the student at home/hostel	:
E.	So, Avg. Time a Student studies at home (apart from college hours) (E = C X D)	:

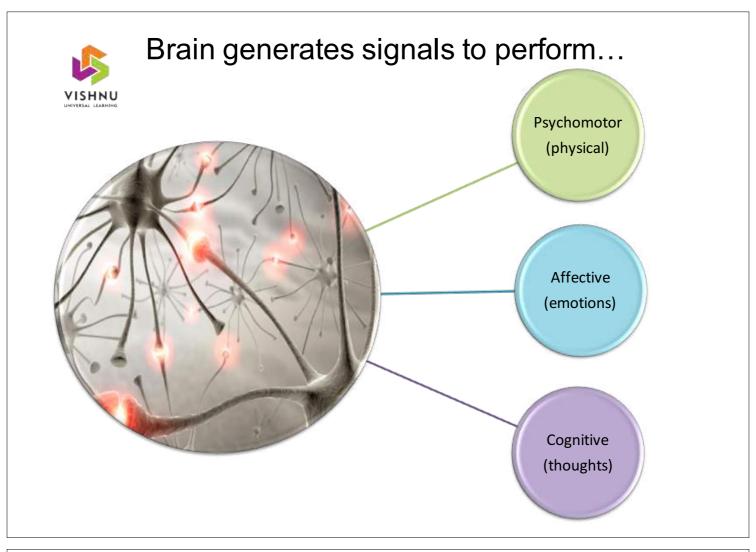
F. Number of Courses in a Semester :
G. Number of Contact Hours for every Course in a Semester :
H. So, Number of Concepts learned by the students in a Semester (H = F X G X B) :
I. Hence, Avg. Time required by the student to learn all the concepts before (say) : the semester final exam (I = H X D)

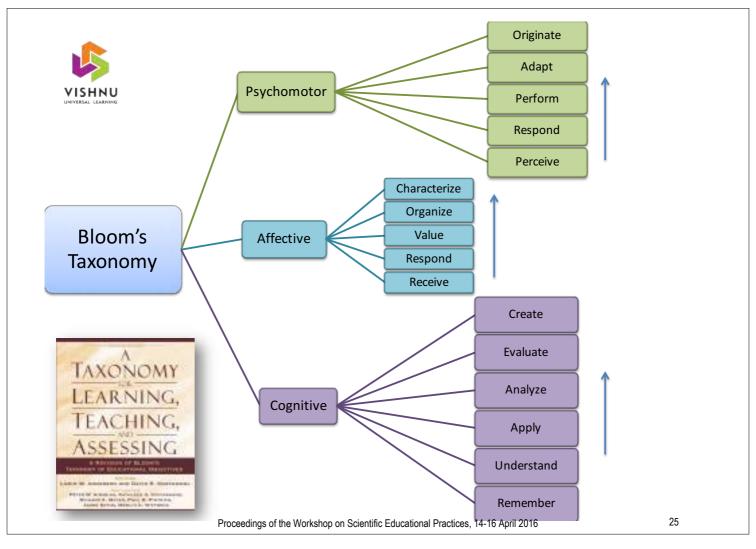


Part – 4

Thoughts, Learning, Intelligence, Personality









Glenn's Holistic Thinking Pyramid

Interpretive Thinking [Integrating Abstract with

Concretel

• Ability to connect the practices of yesterday with the events and attitudes of today, and the outcomes of tomorrow

Creative Thinking [Abstract – Future]

- Ability to connect the events, attitudes and practices of today with the outcomes of tomorrow.
- Gives consideration to the "How" factors

Reflective Thinking [Abstract - Past]

- Ability to connect the outcomes of today with the events, attitudes and practices of yesterday.
- Gives consideration to the "Why" factors

Critical Thinking [Concrete - Today]

- Ability that allows a person to apply analytical reasoning and logic to events, attitudes and practices of today.
- Gives consideration to the "What" factors

Basic Thinking [Innate]

 Natural ability to use instincts to reason (e.g. situations; places; people who have good, bad, or evil intentions)



Bloom's Cognitive Taxonomy

Combining parts to make a Create new whole Judging the value of **Evaluate** information or ideas Breaking down information into component parts Analyze Applying the facts, rules, concepts, and ideas Apply Understanding what the facts mean Understand Recognizing and recalling facts Remember

VISHNU

Eight Styles of Intelligences



Nature Smart (Naturalist)



People Smart (Interpersonal)



Number Smart (Logical / Mathematical)



Picture Smart (Spatial / Visual)



Self Smart (Intrapersonal)



Body Smart (Bodily - Kinesthetic)



Music Smart (Musical)



Word Smart (Linguistic)



Part - 5

Pedagogy and its Components &

Theories in Learning



What is our Institution's Vision?

(A) BVRIT (Womens)

To emerge as the **best** amongst institutes of technology and research **in the country** dedicated to the cause of promoting **Quality** based technical education

(B) Dr.BVRIT (Narsapur)

To create and nurture **competent** engineers and managers who would be **enterprise** leaders throughout the world with a **sound background** in <u>ethics</u> and <u>societal responsibilities</u>



What is our Institution's Vision?

(C) SVECW (Bhimavaram)

Transform the society through **excellence** in Education,
Community **empowerment** and **sustained** Environmental
protection

(B) VIT (Bhimavaram)

To **ignite the minds** of the students through academic **excellence** so as to bring about **social transformation** and **prosperity**



What is our Institution's Mission?

BVRIT (Womens)

Empowerment of

women engineers and technocrats with emphasis on

academic excellence,
life skills and
Human Values



"Science" of Education

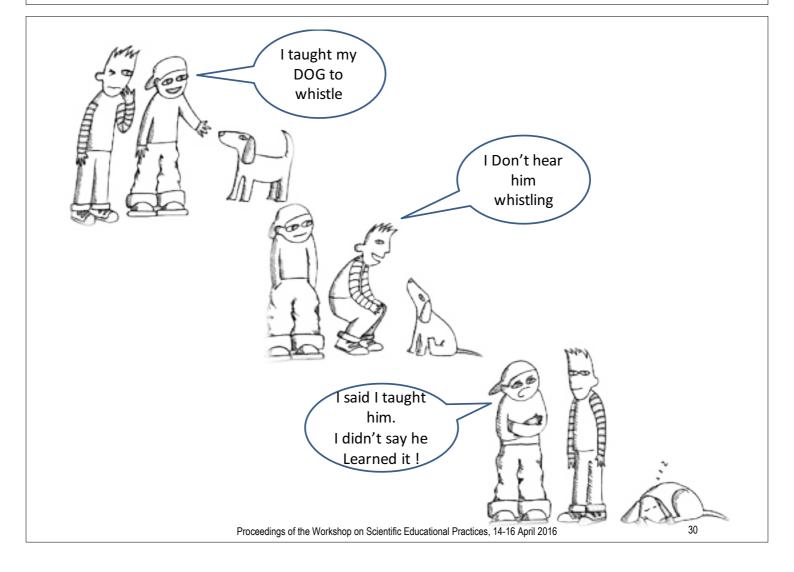
Terms used frequently in education space

- Pedagogy the art and science of teaching (kids)
 - what is to be learnt, and how, is both determined and directed by the teacher
- Andragogy the art and science of helping adults learn
 - What and how is determined by the teacher and directed by the learner
- Heutagogy the art and science of facilitating the learner
 - both determination and direction shifts to the learner (training teachers)
- Ergonagy the art and science of helping people learn to work
 - concept of occupational-vocational (skill based) education (laboratory courses)
- Ubuntugogy art and science of learning from society / community
 - Leveraging on community for learning

VISHNU

"Science" of Education

- Peeragogy / Paragogy the art of learning from peers
 - the learners leverage on their own experience & expertise for learning
 - Groups of learners may be of different age, experience, expertise etc.,
- Cybergogy the art of learning from cyber world
 - What and how is self-determined and learned from multiple sources





Pedagogy Vs Andragogy

	Pedagogical	Andragogical
The Learner	 The learner is dependent upon the teacher for all learning The teacher assumes full responsibility for what is taught and how it is learned The teacher evaluates learning 	 The learner is self-directed The learner is responsible for his/her own learning Self-evaluation is characteristic of this Approach
Role of the Learner's Experience	 The learner comes to the activity with little experience that could be tapped as a resource for learning The experience of the instructor is most influential 	 The learner brings a greater volume and quality of experience Adults are a rich resource for one another Different experiences assure diversity in groups of adults Experience becomes the source of self-identify



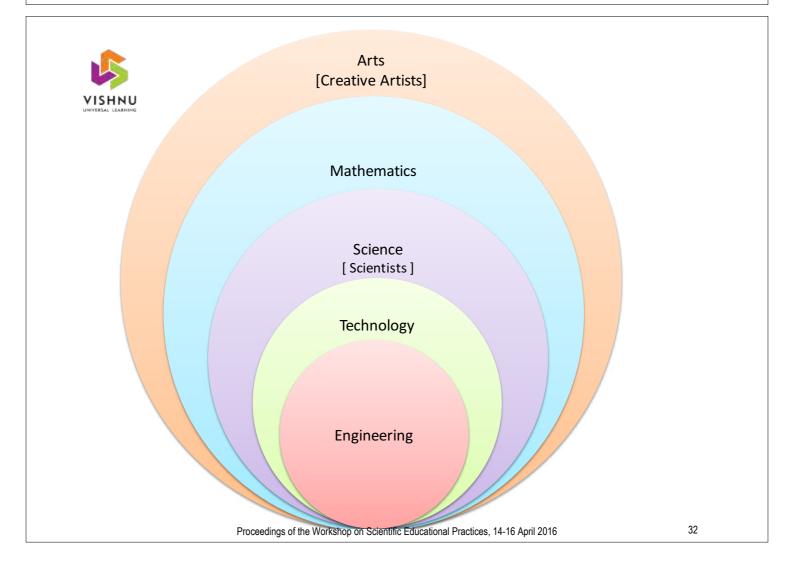
Pedagogy Vs Andragogy

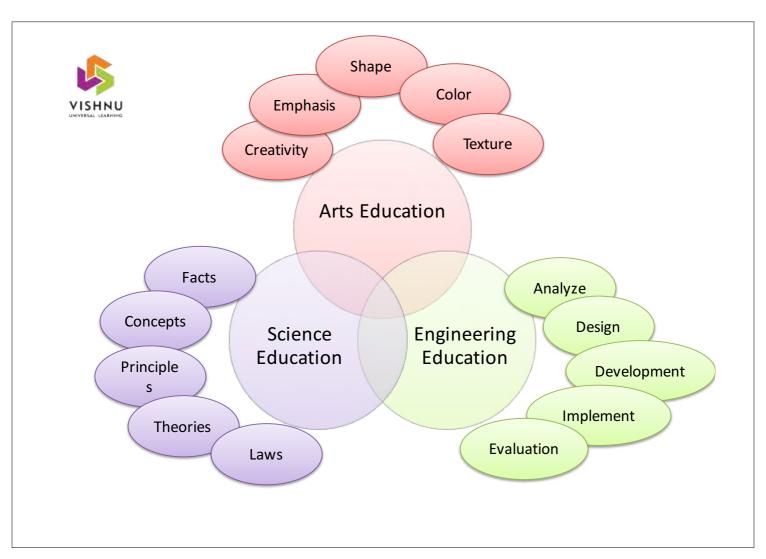
	Pedagogical	Andragogical		
Readiness to Learn	Students are told what they have to learn in order to advance to the next level of Mastery	 Any change is likely to trigger a readiness to learn The need to know in order to perform more effectively in some aspect of one's life is important Ability to assess gaps between where one is now and where one wants and needs to be 		
Orientation to Learning	 Learning is a process of acquiring prescribed subject matter Content units are sequenced according to the logic of the subject matter 	 Learners want to perform a task, solve a problem, live in a more satisfying way Learning must have relevance to reallife tasks Learning is organized around life/work situations rather than subject matter units 		

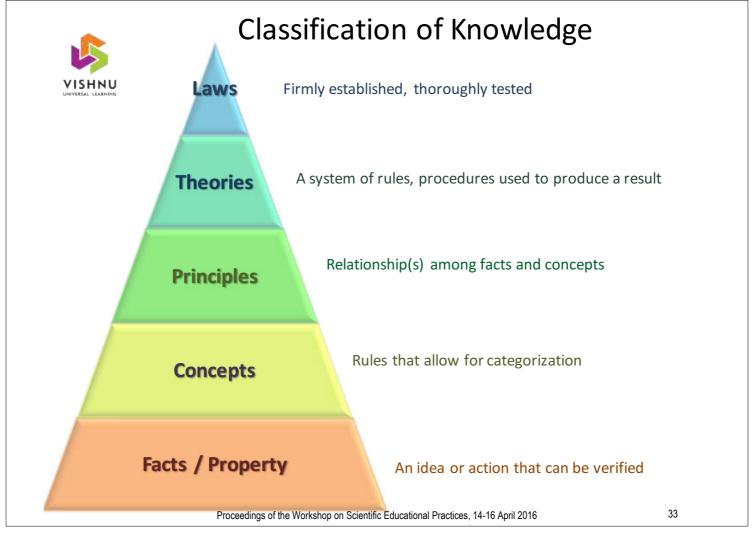


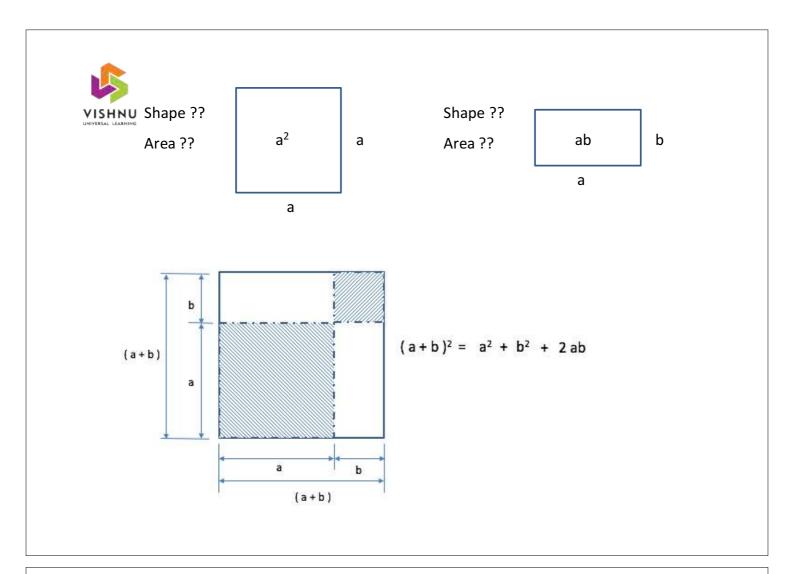
Pedagogy Vs Andragogy

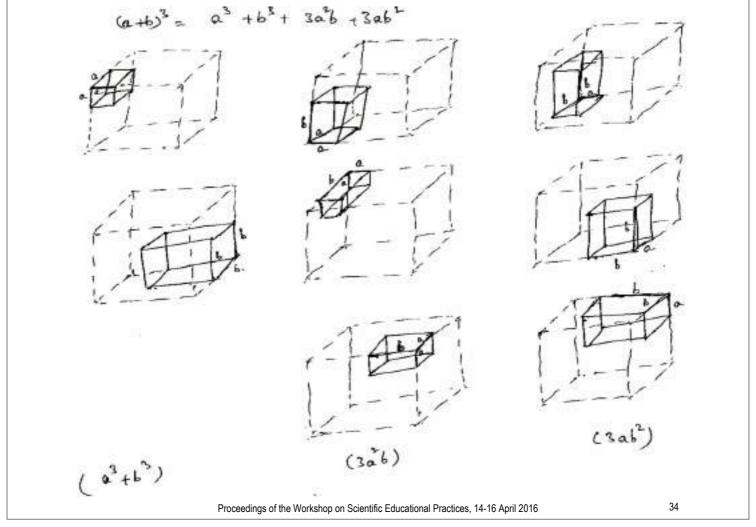
Wellell	Pedagogical	Andragogical
Motivation for Learning	 Primarily motivated by: external pressures, competition for grades, and consequences of failure 	 Internal motivators: self-esteem recognition better quality of life self-confidence self-actualization













Part - 6

Active Learning & Learning Outcomes

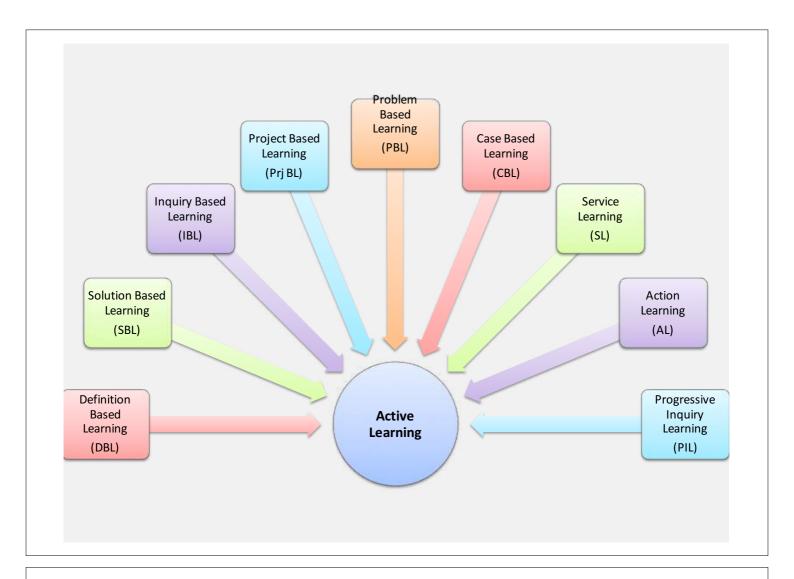


Writing Learning Outcomes

At the end of this session on, my learners will be able to:

- Define....
- List.....
- Solve....

etc.,



Active Learning..... Match the description

Learning

VISHNU

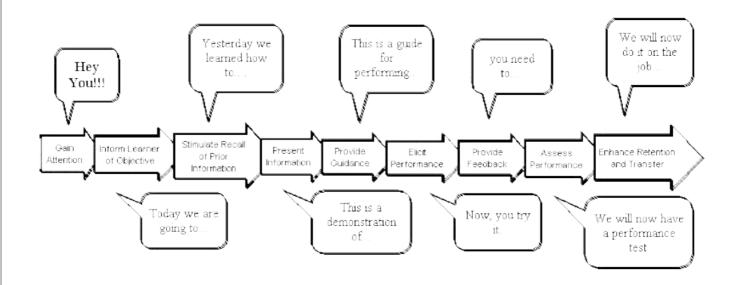
- 1. Definition Based
- 2. Solution Based
- 3. Inquiry Based
- 4. Project Based
- 5. Problem Based
- 6. Case Based

Description

- A. Students actively pose questions, investigate, solve problems, and draw conclusions about the topic
- B. Problem is known, the method is to be selected by the students... it is also termed as 'problem solving' mode of learning
- C. Both Problem and Method are known to students... it is also termed as 'routine' mode of learning
- D. A complex case is provided to students and followed with in-class discussion about content and concepts
- E. An authentic problem is used to define and drive the student learning experience..... It is also termed as 'problem orientation' mode of learning
- F. Students work collaboratively to explore a problem or issue and create a presentation/product to demonstrate their learning



Robert Gagne's 9 Events of Instruction





Robert Gagne's 9 Events of Instruction Model

Event of Instruction	Learning Process
Giving learner a stimulus to ensure reception of coming instruction	
2. Informing learner of objective Telling learner what they will be able to do for the instruction	Expectancy
3. Stimulating recall of prior learning Asking for recall of existing relevant knowledge	Retrieval to working memory
4. Presenting the stimulus Displaying the content	Pattern recognition; selective perception
5. Providing learner guidance Supplying organization and relevance to enhance understanding	Chunking, rehearsal, encoding



Robert Gagne's 9 Events of Instruction Model

Event of Instruction	Learning Process
6. Eliciting performance Asking learners to respond, demonstrating learning	Retrieval, responding
7. Providing Feedback Giving immediate feedback on learner's performance	Reinforcement, error correction
8. Assessing performance Providing feedback to learners' more performance for reinforcement	Responding, retention
9. Enhancing retention and transfer Providing diverse practice to generalize the capability	Retention, retrieval, generalization

How to Structure a Session Example: Recognize an equilateral triangle

- 1. Gain attention show variety of computer generated triangles
- 2. Identify objective pose question: "What is an equilateral triangle?"
- 3. Recall prior learning review definitions of triangles
- **4. Present stimulus** give definition of equilateral triangle
- **5. Guide learning** show example of how to create equilateral
- **6. Elicit performance** ask students to create 5 different examples
- 7. Provide feedback check all examples as correct/incorrect
- **8. Assess performance** provide scores and remediation
- **9. Enhance retention/transfer** show pictures of objects and ask students to identify equilaterals



Part - 7

Curricula Analyzing and Planning & Creating Learning Evaluation



Evaluation

- The best known evaluation methodology for judging teaching programs is Donald Kirkpatrick's Four Level Evaluation Model
- Most widely used, Simple, Flexible and Complete

Levels	Levels Description		Form	
4 Results	4 Results Was it worth doing teaching?		Correlation of learning results	
3 Behavior Did Knowledge, Skill, Attitude improve?		Summative	Observation of Performance	
2 Learning	2 Learning Did they learn anything at all?		Self-assessment Test	
1 Reaction	Was the environment suitable for learning?	Reaction Formative	Survey, Real-time Polling, Quizzing	

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Planning for a Course

- 1. Course Plan
- 2. Topics & Competency Identification for every Unit
- 3. Session Learning Plan for each class-hour
- 4. Home Learning Plan for each class-hour



My Department

- Vision Setting Directions
- Mission Providing path & decision making
- Goals for Every Semester/Year for 5 Years
- Objectives SMART

5 – Year Plan for your Department

VISHNU UNIVERSAL LEARNING				
		Γ		
			Research	
	Green Initiatives		Research	
	•	Higher Education		
Hire Ph.Ds for		•		
Senior Faculty				
Start a Technical				
Society				
• Conduct				
Conference				
Start Intl. Journal				
State of the art				
Labs				
 Industry inside Dept. 				
Dept. Website				
Updation				
Visiting Faculty				
MoU with Leading				
Industries				
Year - 1	Year - 2	Year - 3	Year - 4	Year - 5



Faculty Road Map – Fresh M.E

Academic Register for Ph.D., 80% Student Results

Individual Assign. for stud. Periodic Tests Attend FDP Staff Seminar Course Material Prep. Teaching Aid Prep. **Evaluation Pattern** Learn Linux & C

Research

Lab development **Identify Domain for** Specialization Prof. society member 1 Year

Administrative

Sal. Increment ISO Auditor Staff Advisor for Assoc.

Academic

85% Stud. Result Lab In-charge Conduct FDP **Class Tutor UG Project Guide** New Subject Learn Setup experiments Collect Dig. Book for e-Lib Learn Adv. Linux & C

Research

Lab Manual Text Book Publication Skill Upgradation Prof. society activity 2 Year

Administrative

Sal. Increment ISO Auditor Staff Advisor for Assoc. Community Dev.

Academic

90% Stud. Result Center In-charge Industry training Train Junior Faculty PG Project Guide OP Setter **External Examiner**

Research

Enhance Lab Facility Industrial Trg. Organize Conf. Organize **Paper Publication** Project Leader Project Proposal Prof. society activity

Administrative

Associate Professor ISO Lead Auditor Community Dev. Visits Abroad

Academic

90% Stud. Result Senior Tutor M.S Guidance Digital Book Pub. for e-Lib **Guide Juniors**

Research

Journal Publication Intl. Conf. Organize Project Leader **Project Proposal** Industry Tie-ups Fund generation Consultancy Entrepreneur dev Professional soc. activity

4 Year

Administrative

Sal. Increment ISO Lead Auditor Modern Office facility

Academic

90% Stud. Result Senior Tutor M.S Guidance **Guide Juniors**

Research

Reg. for Post-doc **Patents** Start Industry or Product Dev. Center Journal Publication Industry Tie-ups **New Technology Center** Other Titles and Responsibilities Intl. Conf. Organize Intl. Journal Entrepreneur develop **Professional society** activity

5 Year

3 Year Proceedings of the Workshop on Scientific Educational Practices, 14-16 April 2016



Faculty Road Map - Ph.D

			1	
		Administrative		
		Dean / Director		
		Community Dev.		
		Visits Abroad		
Administrative	Administrative		Administrative	Administrative
Professor	Sal. on Performance.	Academic	Sal. Increment	Prof. Emeritus
Modern Office Facility	Administrative Positions	90% Stud. Result	Director for own industry	Director for own industry
,		Guide Juniors	Community Dev.	Community Development
Academic	Academic		Visits Abroad	Visits Abroad
80% Student Results	85% Stud. Result	Research		
Individual Assign. for stud.	Guide Juniors	Intl. Journal Editor	Academic	Academic
Staff Seminar	Learn Adv. Linux & C	Patents	90% Stud. Result	90% Stud. Result
Attend FDP		Start Research Center	Guide Juniors	Guide Juniors
Evaluation Pattern	Research	Technology Dev.		
Learn Linux & C	Patents	Technology Transfer	Research	Research
	Start Industry or Product	Product Dev. for	Intl. Journal Editor	Promote Industrial
Research	Dev. Center	Industries	Fund generation	growth
Reg. for Post-doc	Journal Publication	Consultancy	Consultancy	Incubation Center
Reg. for D.Sc	Industry Tie-ups	New Course Design	Entrepreneur Training	Industrial Development
Journal Publication	Fund generation	Fund generation	Incubation Center	Consultancy
Patents	Consultancy	Consultancy	Professional soc. activity	Professional soc. activity
Guide Ph.D	New Technology Center	Professional soc. activity		
	Guide Ph.D			
1 Year	2 Year	3 Year	4 Year	5 Year

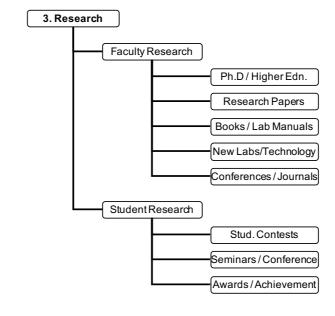
Guidelines for any Student to become a "PROFESSIONAL"

 Do a Branch Project Attend English Conversation Class Learn Linux Learn C / C++ / Java Hobby building Learn Yoga 	 Industrial Case S Placement Train GRE / TOEFL / IE GMAT / CAT National Conf. P Foreign Lang. Clamp Domain Specialist Society Member Term Paper Yoga / Fitness Ethics / Culture Sports 	ing Tech. Society Activity ILTS GRE / TOEFL / IELTS GMAT / CAT aper Visits Abroad Train Junior Studs. IEEE Stud. Chapter
1 Year	2 Year 3 Year	4 Year

Role & Duties of Heads of Departments 1. Administrative VISHNU 2. Academic Faculty Affairs Department Library Recruitment Library Stock Subject Allocation Library Accounts Staff Welfare Class Rooms Principal / Staff Meetings Staff Progress Capacity, Room No's Student Affairs Maintenance Subjects (theory/Pract.) Equipment Attendance Office Stationery Performance Project Work Purchases Extra Curricular Activities Equipment Co-Curricular Activities Office Stationery Counseling & Guidance Laboratories Student Progress **Placements** Equipment Stock



Role & Duties of Heads of Departments





Leaders in Education

- Leaders establish vision and set direction
- Leaders affirm and articulate values
- Leaders have high standards and high expectations
- Leaders are accountable
- Leaders motivate
- Leaders achieve unity
- · Leaders involve others indecision-making
- Leaders serve as role models
- Leaders listen and explain
- Leaders represent the organization
- Leaders *guide* constituents and maintain their support

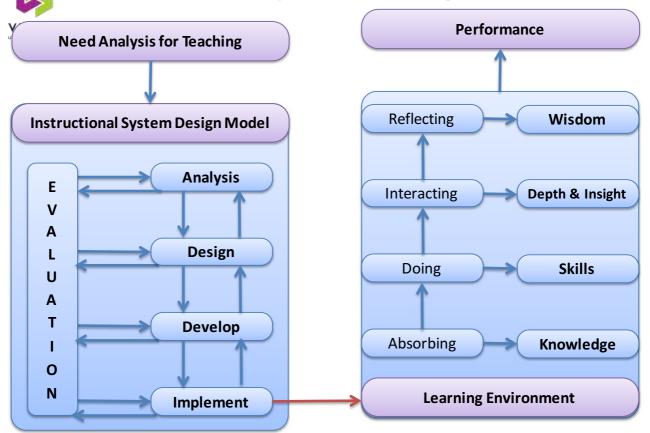


Part - 8

Cone of Learning &

Instructional System Design

Instructional System Design Model





1. Discipline

Define "Discipline"

"The practice of training people to obey rules or a code of behavior, using punishment to correct disobedience"

Do we need 'Punishment' to bring in discipline??

"Develop behavior by instruction and practice; especially to teach self-control"

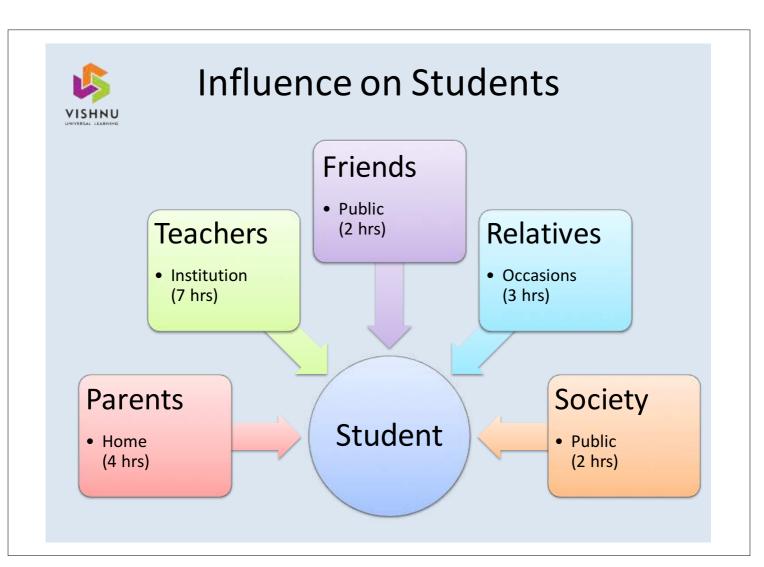


Its far easier to shape good behavior than is to manage bad behavior

Theories in Discipline

Visibiliner Model of Discipline

- Human behavior can be shaped along desired lines by means of the systematic application of reinforcement.
- William Rogers Discipline Model
- Redl & Wattenberg Discipline Model
- Kounin Model of Discipline
- Jones Model of Discipline
- · Glasser Model of Discipline
- · Ginott Model of Discipline
- Dreiker's Model of Discipline
- · Canter Model of Discipline





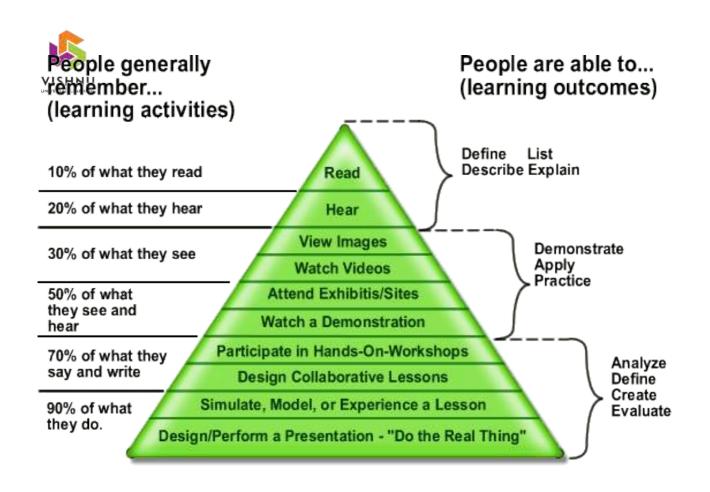
Handling Common Behavioral Situations

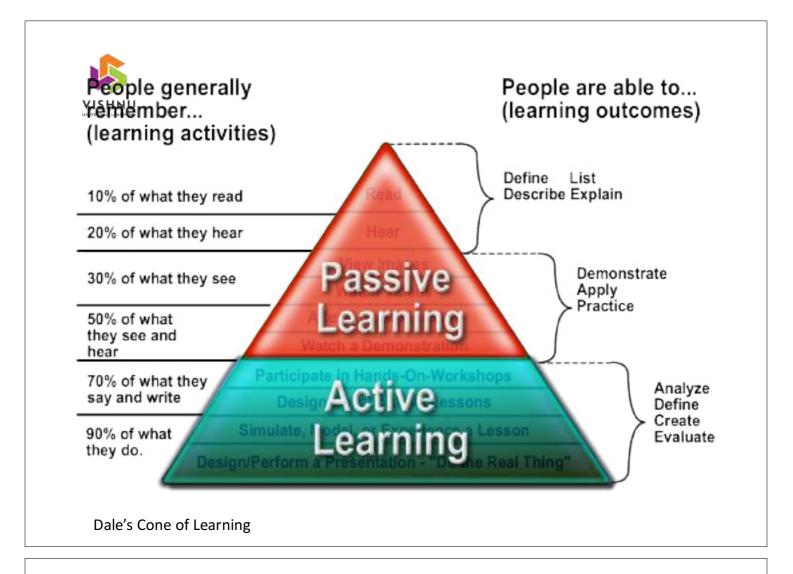
	Diagnosis	Remediation			
Goal of Student	What 'Behavior' is Saying	Teachers/Parents 'Emotional Response'	Reaction by Student to Teachers/Parents Mistaken Responses & Measures 3	Effective Immediate Response	Remediating Measures
Seeking undue ATTENTION	Lanly count in this world when I keep you busy with me	Annoyed "Pain in the neck"	Increased frequency	Ignoring the behavior	Giving them due attention (i.e. encouragement) when It is not being sought
Seeking undue POWER	Active power: I only count in this world when I show you I am boss or when I make you Passive power: I only count in this world when I show you, you can't make me	Angry, Challenged, Frustrated, Defeated, Retaliatory	Increased intensity	"Take your sail out of their wind"	Listen first Always offer a choice Negotiate reasonable limits of time and action
	FOR GOALS BELOW T	HIS LINE, PROFESSIONAL	. HELP IS REQUIRED		
Seeking REVENGE	"Two eyes for an eye"	Hurt emotionally and/or physically)	Bigger and better pain or destruction	Don't show the pain	Approximations towards the goal of encouragement
Seeking to display INADEQUACY	Leave me alone	Feel like throwing up your hands and saying "there is nothing to be done"	"Turtling" i.e. becoming more withdrawn	Don't give up and show them you won't give up	Gentle approximations towards the goal of encouragement



Can we identify our **Institutes** *GOOD Behavioral* Practices

- What does our Institute request Parents?
- What does our Parents request the Institute?
- What does our Institute request Students?
- What does our Students request the Institute ?
- What does our Institutional authority request teachers?
- What does our teachers request Institutional authority?







Part - 9

Pillars to Succeed



Creating "Positive Outlook" and achieving "SUCCESS" in our day to day lives...



Introducing - SUCCESS

- There are many great books one could read to become successful
- But, do we have the time ?
- "it is not about just knowing from booksit is about doing"
- It is very difficult to pinpoint what success means to every individual
- Because, we are all Unique!
- However, there are certain factors that are absolutely essential to succeed
- We will learn those......

"Success requires a combination of many different elements that must come together in a specific way."





8 Pillars of Success

VISH

- 1. Removing limiting beliefs that are preventing us from moving forward.
- 2. Adopting new habits and routines that will help boost our productivity.
- 3. Identifying and making the best use of the resources we have.
- 4. Recognizing and utilizing our strengths and the skills we will need to achieve our objectives.
- 5. Taking charge of our emotions in a proactive manner making them work for us rather than against us.
- 6. Finding ways to motivate ourself to take the necessary actions to achieve our goals.
- 7. Setting goals and objectives consistently in the right way to help keep us on track.
- 8. Cultivating a mindset that is naturally aligned with the outcomes we want to achieve.



\$

Beliefs

Limiting (Negative) Beliefs

- Our beliefs are so powerful that they blind us to other perspectives of reality
- Identify our negative beliefs



Positive Beliefs

- Overcome our negative beliefs by:
 - Questioning their validity
 - Transform our language
 - Control our reactions



Cultivating "Empowering Beliefs"

I am in charge of my life and circumstances.

Failure strengthens and empowers me.

Setbacks are only temporary.

I don't need other people's approval to succeed.

I already have all I need to succeed within me.

Every minute is another chance to turn it all around.

I can make tomorrow better than today.

Every mistake is an opportunity to learn and grow.

There's a lot of opportunity around me, always!

Hard work and perseverance always pays off in the end.

1. Sternberg-Wagner – "Thinking Styles Assessment"

Robert J. Sternberg, Psycometrician, Oklahama State University

"Theory of Mental Self-Government", "Triarchic Theory of Intelligence", "Theory of Cognitive Styles"

2. "Howard Gardner – "Multiple Intelligence Assessment"

- American Developmental Psychologist, Harvard University, "Theory of Multiple Intelligences"

Carl Gustav Jung – "Personality Assessment"

- Swiss Psychiatrist founder "Analytical Psychology"
- Paul T.Costa and Robert McCrae "Big-5 Personality Test", Trait Psychology Experts (APA Approved)

4. Richard Felder – "Learning Styles Assessment"

- Chemical Eng. Prof., NCSU, "Theory of Learning Styles", Global Award for Excellence in Eng. Education, IFEES

5. Clement Glen – "Holistic Thinking Pyramid"

- Professor, Educational Administration, Prairie View, A&M University

6. Benjamin Samuel Bloom – "Blooms Taxonomy"

Educational Psychologist, "Theory of Mastery-Learning"

Malcolm Knowles – "Andragogy"

Adult Educator, "Theory of Andragogy", "Humanist Learning Theory"

Stewart Hase and Chris Kenyon - "Heutagogy"

Adult Educator, "Theory of Andragogy", "Humanist Learning Theory"

9. Kazutoshi Tanaka – "Ergonagy"

Educational Psychologist, Polytechnic University, Japan

10. Abdul Karim Bangura – "Ubuntugogy"

Research Methodologist, Howard University, PhD in Political Science, PhD in Development Economics PhD in Linguistics, and a PhD in Computer Science, Ex President-UN Ambassador

1115 Edgar Dale – "Cone of Learning"

Educationist, Ohio State University, "Cone of Experiences"

12. Charles Bonwell and Eison – "Active Learning"

Professor of History, Southeast Missouri State, "Active Learning in Classrooms"

13. David Kolb – "Experiential Learning"

Educational Theorist, "Experience Based Learning System", "Learning Style Inventory"

14. Robert Gagne - "9 Events of Instruction"

Educational Psychologist, "Conditions of Learning", "Five Categories of Learning", "Eight ways to Learn"

15. John Sweller – "Cognitive Load"

Educational Psychologist, Univ of Adelaide, "Cognitive Load Theory and Instructional Design"

16. Skinner, Redl, Wattenberg, Kounin, Jones, Glasser, Ginott, Dreiker, Canter – "Discipline Theories"

Behavior Psychologists

17. Tony Peter Buzan - "Mind-Map"

Educational Consultant, "Mental Literacy", "iMindMap"

18. Adam Sicinski - "Eight Pillars of Success"

Visual Thinking Coach, "IQ Matrix", "Mind Map Art"

19. Rhonda Byrne – "Law of Attraction"

Writer, "The Secret", "The Power", "The Magic"



Preach only if you Practice!



Workshop on Scientific Educational Practices

(Organized for faculty members of the Institutions under Sri Vishnu Educational Society)

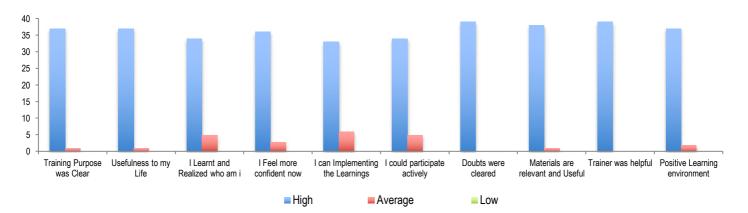
14 - 16 April 2016

Feedback

Number of Respondents: 39

	High Average		Low	
	10 9 8	7 6 5 4	3 2 1	
Training purpose was clear	39	0	0	
Usefulness to my life	39	0	0	
I learnt and realized who I am	36	3	0	
I feel more confident now	37	2	0	
I can implement the learning's	37	2	0	

	High Average		Low	
	10 9 8	7 6 5 4	3 2 1	
I could participate actively	37	2	0	
Doubts were cleared	37	2	0	
Materials are relevant and useful	35	4	0	
Trainer was helpful	39	0	0	
Positive learning environment	39	0	0	



- 1 We were able to understand the importance of Education
- 2 Similar kind of Workshop can be conducted once in every two months
- 3 This workshop needs to be extended for one week
- 4 We were able to know the active learning strategies and techniques
- 5 Scientific Educational Practices needs to be conducted for all faculty members in a periodical interval of time
- 6 Provide similar kind of programs for students about the importance of behavioral and learning
- 7 Effective learning methodologies should be taught to students





WORKSHOP ON IMMERSIVE INSTRUCTIONAL TECHNOLOGY (IIT) - LEVEL1 VEDIC



VISION

To allow faculty members to be aware of various productivity tools and Learning Management Systems while identifying free, open source, app based and cloud base resources to enable them to use technology in a ubiquitous manner.

ABOUT THE PROGRAM

The IIT – Level 1 workshop is an entirely activity based workshop which will help faculty in finding free to use and app based tools and to use these tools to develop and deploy cohesive sessions, which include, practice on asset creation, facilitating discussion and collaboration, guiding student inquiry and assessment creation.

TARGET PARTICIPANTS

All faculty are encouraged to attend the workshop. This workshop is envisaged to benefit faculty who have especially attended the TTT program. Participation limited to 30 faculty members

OBJECTIVES

At the end of this session faculty will be able to

- 1. Identify various open source and app based productivity and LMS tools to use in their own classes.
- 2. Describe the challenges and tricks to working in a hybrid class setup.
- 3. Illustrate the roles of these tools in all learning activities they plan to
- 4. Design a session on LMS with assets, discussion prompts and assessments.

PARTICIPANT MATERIALS

Participants will be provided with

- 1. A desktop computer for use at the session.
- 2. A notepad

Participants are required to bring

1. A thumb drive to save their 3 days of work for future reference.

FACILITATOR

Dr. Balaguruprasad Narayanan has a Ph.D. in Education with an emphasis on Curriculum Design and Instructional Technology. Indiana State University. He has been in the educational field since 2005. While performing a variety of roles in Indiana State University, including Instructional Designer, Training module developer, faculty trainer and lecturer, he has also taught classes on instructional design, assessment design, educational research and media technology, while working with university level teams on accreditation and hiring. He is also involved with the MHRD through the Pandit Madan Mohan Malviya National Mission on Teacher and Training (PMMMNMTT) with IIT Madras. In this capacity he has developed and conducted faculty training modules in the area of Instructional Technology, active learning pedagogies and assessment. He has also been invited as an expert external resource person by various colleges under TEQIP and ISTE schemes. Currently at VEDIC, he works with faculty on Instructional Technology use and educator certification.

Research interests - Instructional Technology use by faculty, institutional technology policy and procurement, Faculty development.

SCHEDULE

- Day 1 Morning
 - ✓ Hybrid **Techniques**
- Lunch
- Day 1 Afternoon
 - ✓ Productivity Tools
- Day 2 Morning
 - ✓ LMS Assets
 - √ LMS Collaboration
- Lunch
- Day 2 Afternoon
 - ✓ LMS Assessments
 - ✓ Session Design
- Day 3 Morning
 - ✓ Session Design
 - ✓ Session **Implementation**
- Lunch
- Day 3 Afternoon
 - ✓ Session Implementation



WORKSHOP ON STUDENT LEARNING IN INSTRUCTIONAL DESIGN (SLIDE) -LEVEL 2



VISION

To allow faculty members to effectively design formative and summative assessment questions in line with latest best practices and educational research with the purview of Outcomes, attainment and accreditation.

ABOUT THE PROGRAM

The SLIDE 2 workshop is an interactive and activity based 3-day workshop designed to extend the lessons of outcomes and matching assessments to outcomes during the course of the semester. The workshop guides faculty through the process of question types, best practices of question creation and question paper design within the purview of student attainment and accreditation standards.

TARGET PARTICIPANTS

Participants will be selected based on their previous work in III, OBE and SLIDE workshops.

WORKSHOP OUTCOMES

Terminal Workshop Outcome: - The participant will be able to develop a bank of formative and summative questions, design a question paper with these questions and use the student results to ascertain course outcomes attainment.

Subordinate Outcome 1: - Classify assessment items into constructed response, selected response and performance response items.

Subordinate Outcome 2: - Design all four types of selected response items.

Subordinate Outcome 3: - Design all two types of constructed response

Subordinate Outcome 4: - Design a question paper with the appropriate number of questions and question types, equally representing all outcomes and Bloom's taxonomy levels.

Subordinate Outcome 5: - Design a scoring schema for all types of questions previously designed.

Subordinate Outcome 6: - Correctly calculate course outcomes attainment for an entire course within 1 section.

SCHEDULE

- Day 1 Morning
- ✓ Psychometric Tests
- Lunch
- Day 1 -Afternoon
- ✓ Students' So-What??
- Day 2 Morning
- ✓ Instructional **Design Models**
- Lunch
- Day 2 -Afternoon
- ✓ Matching Activities to Thinking Styles
- ✓ Matching Activities to Multiple Intelligences
- Day 3 (Design Day)
- ✓ Designing Classroom Activities based on Thinking Style and Multiple Intelligences

PARTICIPANT MATERIALS

Participants will each be provided with

- 1. A desktop computer for use at the session.
- 2. A Note Pad

Participants are required to bring

1. A thumb drive to save their 3 days of work for future reference.

FACILITATORS

Dr. Balaguruprasad Narayanan has a Ph.D. in Education with an emphasis on Curriculum Design and Instructional Technology. Indiana State University. He has been in the educational field since 2005. While performing a variety of roles in Indiana State University, including Instructional Designer, Training module developer, faculty trainer and lecturer, he has also taught classes on instructional design, assessment design, educational research and media technology, while working with university level teams on accreditation and hiring. He is also involved with the MHRD through the Pandit Madan Mohan Malviya National Mission on Teacher and Training (PMMMNMTT) with IIT Madras. In this capacity he has developed and conducted faculty training modules in the area of Instructional Technology, active learning pedagogies and assessment. He has also been invited as an expert external resource person by various colleges under TEQIP and ISTE schemes. Currently at VEDIC, he works with faculty on Instructional Technology use and educator certification. Research interests – Instructional Technology use by faculty, institutional technology policy and procurement, Faculty development.

Dr. Anupama Ghattu has a PhD in Education with an emphasis on Higher Education from Indiana State University) has been in the educational field since 2010. She has performed a variety of roles in Indiana State University, including Instructional Designer, Training module developer, student trainer and researcher. She has taught core computer science courses such as computer networking and python programming. She has also conducted faculty development programs in private colleges in India. She has worked extensively with students on use of hand-held/mobile wireless technologies for effective learning and collaboration. She believes that the teacher should be a facilitator, role model and a guide. She has research papers published in International conferences. Currently at VEDIC she works on content development and educational technology. Research interests – Students' use of mobile technology in the classroom, students' learning outcomes and attitudes, ubiquitous learning technologies.



WORKSHOP ON UNCONSCIOUS BIAS IN THE WORK PLACE (UBW)



VISION

To allow faculty members to be aware of and identify behaviors that can be perceived as bias by colleagues and to consciously modify these behaviors to promote a more productive and fair work environment.

ABOUT THE PROGRAM

The UBW workshop is an interactive workshop designed to pique awareness among co-workers in a professional setting pertaining to the sources of unconscious bias such as instinct, stereotypes and groupism. After this awareness is created, the workshop will use role play techniques to break the bad habits that lead to these biases and inculcate good habits that lead to a fair work place.

TARGET PARTICIPANTS

All faculty who have administrative responsibilities and those who are involved in leadership roles, supervisory roles and team decision making are encouraged to attend this workshop. Participation limited to 40 faculty members.

OBJECTIVES

At the end of this session faculty will be able to

- 1. Identify bias in a simulated situation
- 2. Identify the types and sources of bias
- 3. Describe behaviors associated with bias
- 4. Demonstrate techniques to suppress bias behaviors
- 5. Construct fair professional behaviors

SCHEDULE

- Morning 1 (Interactive Session)
 - ✓ Be aware of bias
 - ✓ How and when does bias develop
- Tea
- Morning 2 (Role Play)
 - ✓ Brain and categorization
 - ✓ Stereotypes and groups
 - ✓ Types of biases
- Lunch
- Afternoon 1 (Interactive Session)
 - √ Habit Breaking
 - ✓ Be Calm and List Instincts
 - ✓ Analyze Evidence
- Tea
- Afternoon 2 (Role Play)
 - ✓ Mock Meeting
 - Activity participant and observer notes
 - Discussion and Lessons Learnt

PARTICIPANT MATERIALS

Participants will be provided with

- 1. 4 Name Tents for role play.
- 2. A pack of 20 Note cards for Interactive Sessions and Minute Assessments
- 3. 3 Pens (Black, Red and Green)

FACILITATOR

Dr. Balaguruprasad Narayanan has a Ph.D. in Education with an emphasis on Curriculum Design and Instructional Technology. Indiana State University. He has been in the educational field since 2005. While performing a variety of roles in Indiana State University, including Instructional Designer, Training module developer, faculty trainer and lecturer, he has also taught classes on instructional design, assessment design, educational research and media technology, while working with university level teams on accreditation and hiring. He is also involved with the MHRD through the Pandit Madan Mohan Malviya National Mission on Teacher and Training (PMMMNMTT) with IIT Madras. In this capacity he has developed and conducted faculty training modules in the area of Instructional Technology, active learning pedagogies and assessment. He has also been invited as an expert external resource person by various colleges under TEQIP and ISTE schemes. Currently at VEDIC, he works with faculty on Instructional Technology use and educator certification.

Research interests – Instructional Technology use by faculty, institutional technology policy and procurement, Faculty development.

Dear sir/Madam

Self-management skills are an online interactive and motivation program from Vedic going to be conducted by behavioral specialists Ms. Jbaselvi madam and Mr. Augustine sir on 3/08/20.

10 to 1 In this students interacted with honorable chairman sir and respected Vice-chairman sir about themselves how they expressed how they utilized lock down time, what are the on line courses completed and pursuing, what additional courses or internships attended by them, how they are attending online classes.

Students were trained how to plan and set their goals and how they will achieve their skills in an effective way.

Session details are given below for your reference_:

Topic: Online Interaction on Self Management Skills (SMS)

Participants: *Final Year MCA students from BVRC, Bhimavaram (Batch 1)*

Date & Time: 3rd August 2020 10:00 AM

Microsoft Team Meeting id:

https://teams.microsoft.com/l/meetup-

<u>join/19%3ameeting_ZTg5MTQyNzAtMjQ4OC00MTU4LTg3YjEtOWI3NzBkNWY0ZmQ0%40thread.v2/0?context=%7b%22Tid%22%3a%22b8593818-1c51-461d-ac9a-</u>

c1192e67c2dd%22%2c%22Oid%22%3a%22387b5d2d-60ae-45af-ab38-11ec776d4958%22%7d

AEDIO



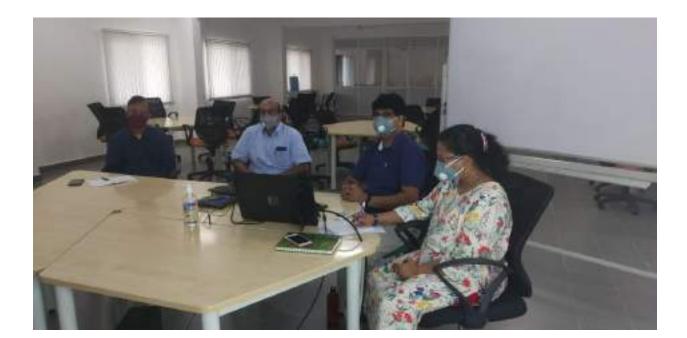
Date & Day	Participants from		No. of Students
3rd August 2020 Monday	Final Year MCA students from BVRC, Bhimavaram (Batch 1)	10.00 - 12.30	-60
4th August 2020 Tuesday	III Year Students from SVECW, Bhimavaram (Batch 9)	10.00 - 12.30	60
5th August 2020 Wednesday	III Year Students from BVRIT, Hyderabad (Batch 10)	10.00 - 12.30	60
6th August 2020 Thursday	III Year Students from BVRIT Narsapur (Batch 14)	10.00 - 12.30	60
7th August 2020 Friday	III Year Students from SVECW, Bhimaveram (Batch 10)	10.00 - 12.30	60
10th August 2020 Monday	III Year students from VIT, Rhimavaram (Ratch 9)	10.00 - 12.30	60
11th August 2020 Tuesday	III Year students from BVRIT, Narsapur (Batch 15)	10.00 12.30	60
12th August 2020 Wednesday	III Year students from SVECW, Bhimavaram (Batch 11)	10.00 - 12.30	60
13th August Thursday	III Year students from BVRIT, Hyderabad (Batch 11)	10.00 - 12.30	60
14th August 2020 Friday	III Year students from VIT, Bhimavaram (Batch 11)	10.00 - 12.30	60



Guidelines for students online interaction

Kindly instruct the students to strictly adhere to the following guidelines at all times during the online session:

- Online Sessions are fealitated via "Microsoft Teams" and hence the students have to download "Microsoft Team" app prior to the session.
- 2. Students have to enter the Microsoft Team platform with their "Name_Roll No" while login itself.
- Students have to atay throughout the session and in case of any technical or other unprecedented difficulties, they have to inform the VEDIC faculty straight away.
- Instruct the students to use the chat option as well as to use their mic to interact with Chairman sir and VEDIC faculty.



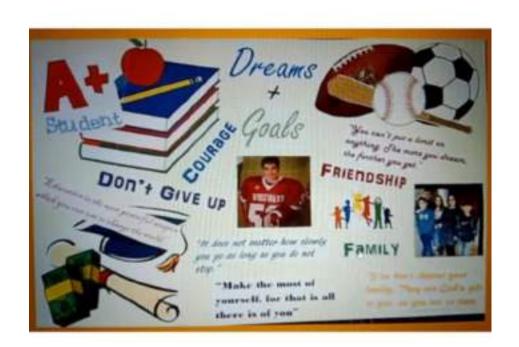


August 3

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August 3





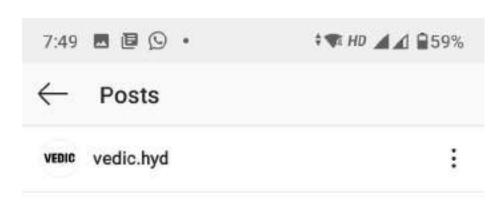






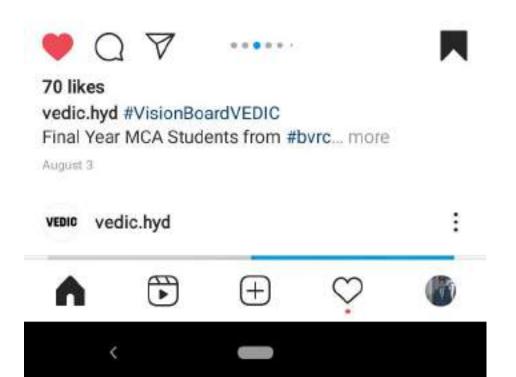






3/9













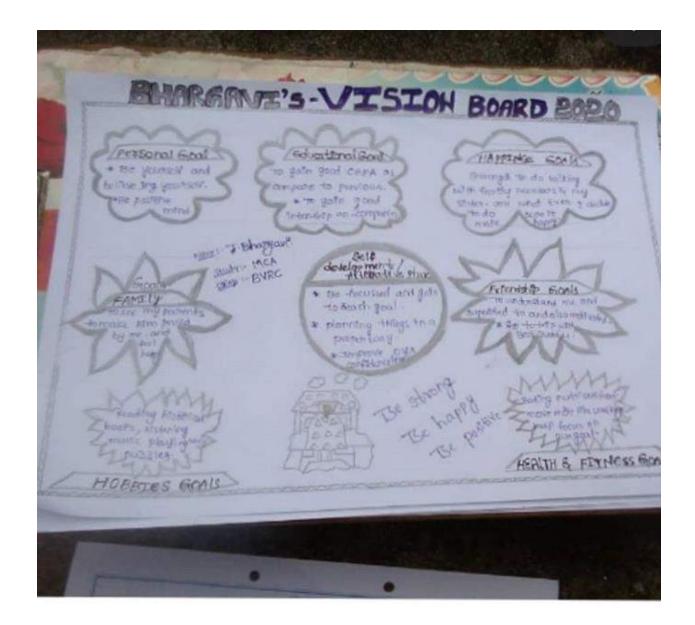




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August 3











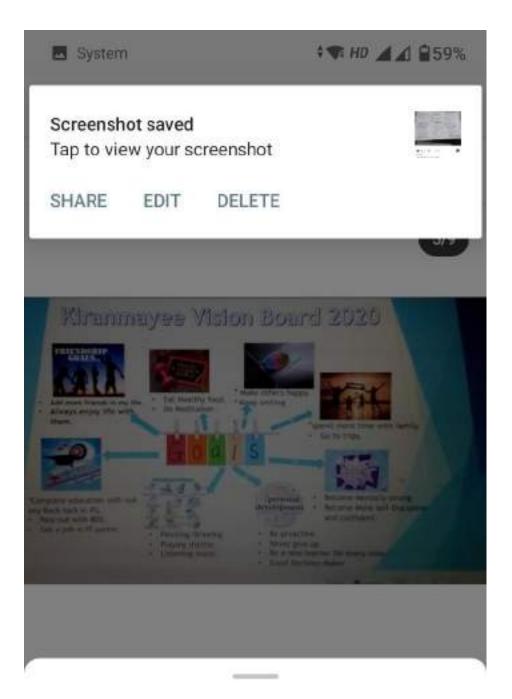
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August 3



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