Indigenous Distinctive Innovations to Achieve its Vision, Priority and Thrust – A Case Study of Srinivas University

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ABSTRACT

Purpose: *To introduce the 'Indigenous Distinctive Innovations' model of Srinivas University, Karnataka. The model is helpful for higher education institutions to stand out in its utility and outlook apart from contributing to its core vision, priority, and thrust.*

Methodology: *A case study with descriptive research design. Content analysis is carried over the literature from the Google Scholar database upon the literature published between 2012 and -2022. The credibility of the model is analyzed by using the ABCD analysis framework.*

Results & Outcome: *The study depicts the utilities of the model to higher education institutions and elaborates on the execution of the model with different strategies, methods, operative procedures, pedagogies, etc. The study seeks the adoption of the model by the institutions of higher education to stand out in its service and outlook.*

Originality: *The 'Indigenous Distinctive Innovations model along with its execution framework is very unique in content and application. The model covers innovations carried at University, Institutional, and Faculty levels*.

Type of Paper: *Case Study.*

Keywords: Indigenous distinctive innovations model, Distinctive best practices, Distinctive practices in higher education institution, Best practices in higher education, Higher education innovations, Holistic education, Standing out by the university.

1. INTRODUCTION :

The competitive edge is secured through the strategic management of distinctiveness in conformity to norms, global practices, and competing demands [1]. This paper introduces the *"Indigenous Distinctive Innovations"* model of Srinivas University adopted to build its competitive edge in the global market and meet the needs of its customers. The model is implemented in Universities, Institutions, and every subject level. The University level innovations include customized policies, digitalization, social engagement, consultancy, research, publication, institutional NGO the constitution of Srinivas Publication, subsidized health care, free physiotherapy care, memorandum of understanding with education service providers for campus academic partnerships, industry-academia collaboration activities, etc. The constituent institutions of Srinivas University have introduced several innovations which are distinct practices compared to other Universities. Key innovations such as adoption of industry oriented curriculum, development of learning infrastructure, on-the-job training, fieldwork, block placement, embedded research modules for UG and PG students, adoption of Information Technology in teaching-learning exercises, super specialty courses, UGC Standard recruitments, student live projects in the final semester of UG and PG study, embedded ESEP and ESAP subjects for graduation level to enrich employability skills, introducing dual specialisations with multi-skilling options, integration of alumni network along with placement cells, intensive social service through NSS, Unnat Bharat Abhiyan projects, constitution of student forums for extra-curricular activities, utilisation of online learning resources, placement assistance with mock interviews and placement drives, dissemination of soft skills as value added subject, entrepreneurial skill building through

incubation centres, digital library facility with ample learning resources, experiential learning with exposure visit etc. are initiated across the disciplines.

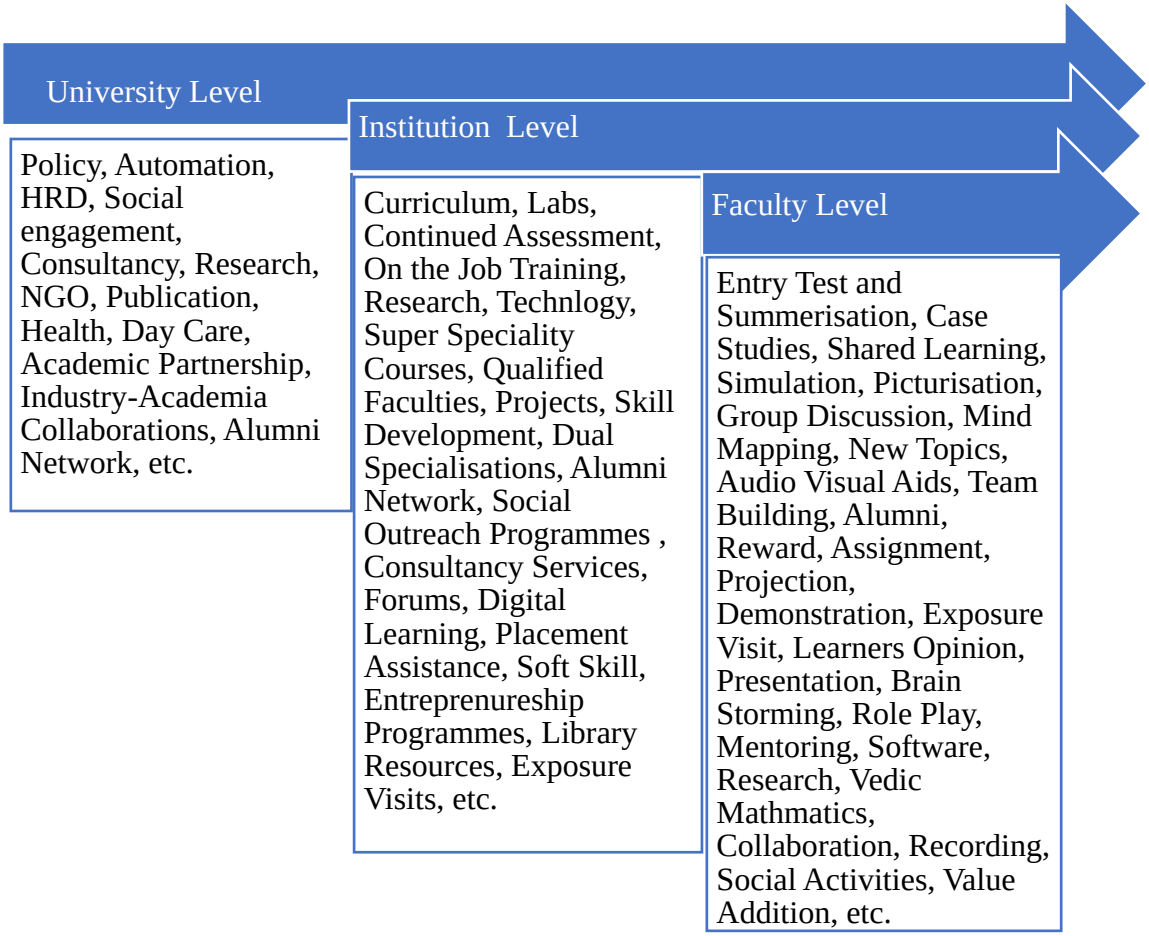

Fig. 1: 'Indigenous Distinctive Innovations Model' of Srinivas University

Individual faculties introduced innovations of their choice in their respective subjects to make teaching student-centric. Key pedagogies adopted includes entry test and summarization technique, case studies, shared learning, simulations, picturization, group discussion, mind mapping, new topics, audio-visual aids, team exercises, alumni rewards, assignments, project work, demonstration, exposure visit, learners' opinion technique, presentation, brainstorming, role-playing mentoring, software development, research, Vedic mathematics, collaboration, recording, social activities, value education, etc.

2. INDIGENOUS DISTINCTIVE INNOVATIONS EXECUTION FRAMEWORK :

Srinivas University has constituted an execution framework [2] to implement the "Indigenous Distinctive Innovations' model with requisite Strategies, Standard Operating Procedures and Pedagogies across different levels of Srinivas University. The separate framework suitable for University [3], Institutional, and Faculty levels are depicted in the tabular forms below.

2.1 University-Level Distinctive Innovations: Table 1 highlights the framework of 'Distinctive Innovations' carried at the University Level.

Table 1: University-Level Distinctive Best Practices

Strategies	Standard Operative Procedures	Pedagogies	Service Utilities

University Policy [4]	• Recruitment Policy • Green Policy • Waste Policy • Academic Policy • Admission Policy • Assistive Technology Policy • Code of Conduct and Professional Ethics • Gender Sensitisation Policy • Information Technology Policy • Physical Education Policy • Research Promotion Policy • Waste Management Policy • Water Management Policy • Grievance Redressal Policy	• Recruitment on Merit • Zero Plastic Campus • Water Conservation • Transparency • Non Biased Admission • Divyangjan Friendliness • Strict compliance with the Code of Conduct • Gender Equity • Reliance on Open and Paid Sources. • Holistic health • Intensified Research Focus • Waste recycling and reuse. • Rain Water Conservation • Grievance Redressal Committees	• Equal Opportunity to all. • No Plastic on Campuses [5]. • Minimised Water Consumption. • No Corruption • Meritorious selection. • Protection for women and the disabled. • Discipline • Gender equity • Technology-driven education. • Holistic development of students. • More publications. • Reuse of Water. • Ground Water Recharge • Zero tolerance to Grievance.
Automation [6]	• Digital Library • ERP System • Online Tools • Open Sources • Digital Data Bases • E-Books	• Automated Teaching & Learning • Digital Assessment & Evaluation.	Transparency, easy access, larger audience
Human Resource Development [7]	• Faculty Training and Development Centre	• FDP's • SDP's	Skill Enrichment
Social Engagement [8], [9]	• Institutional NGO • National Programmes • Industry-Academia Collaboration • Centre for Innovation • School Adoption	• Social Outreach • Social Immersion • Medical Assistance • Skill Development • Social Welfare • Disaster Management	Programs, Camps, Training, Workshops, Celebrations, donations,
Consultancy	• Consultancy Services [10]	• Resources sharing and Expertise exchange	Subsidized services
Research [11]	• Research Centres [12]	• Conference Proceedings • Journal Papers • Minor and Major Projects	Field Study, Research, Publication and Projects.

NGO Interventions	• Social Service Activities	• Camps, Surveys, Workshops, Exposure Visits	Field Exposure
House Publication	• Srinivas Publication House [13]	• International Refereed Journals.	In-House Publication & Public Posting.
Health Care	• Srinivas Hospital	• ESI facility • Subsidised Health Care Facility	Subsidized Health Care
Day Care	• Srinivas Urban Physiotherapy Centre [14]	• Subsidised Physiotherapy	Physiotherapy Treatment
Academic Partnership	• Collaboration	• MoU's with Service Providers	Mutual Aid
Industry-Academia Collaboration	• Social Engagement	• Skill Development of Youths • Care Givers Programme • Capacity Building • Training the Trainers	Employment and Entrepreneurship

2.2 Institutional Level Distinctive Innovations: Table 2 highlights the framework of 'Distinctive Innovations' initiated at the Institutional Level.

Table 2: The framework of 'Distinctive Innovations' initiated at the Institutional Level

Name of the Institute	Strategies	Standard Operative Procedures	Pedagogies	Service Utilities
Institute of Hotel Management and Tourism	• Practicum Training • Service Labs • Continued Assessment Test • On the Job Training • Research	• Academic Calendar • Two Semester Training Programme for UG. • Training Manuals.	• One to One Training. • 20 Hours of Practical Training per Semester. • Front Office Training at Hotel. • OJT in the last Semester	• Disseminating professional ethics and etiquette for a better career.
Institute of Engineering and Technology	• State-of-the-art laboratories • Technology • Research	• Academic Calendar • AICTE Norms • Certificate Courses, • MOOC courses • Industrial tie-ups • Activity-based	• Innovative Curriculum and Experiential Learning	• Sustainable Development • Professional Integrity

		• experiential learning • Research • Projects • IPR • Induction of NEP • Student Mentoring		
Institute of Management and Commerce	• Industry-oriented Curriculum • Entrepreneurial Ability • Research	• Academic Calendar • Immersive learning • Student Centric Faculty Focused Model • Strategic Trajectory Chart	• Community Development Activities • Student Focused Activities	• Better Citizens • Socially responsible competent Leaders
Institute of Allied Health Sciences	• Super Speciality Courses • Infrastructure • Qualified Teaching Fraternity • Research	• Academic Calendar • Flexibility • Hand on Training • Beyond Curriculum Exposure	• Scholarships • Seminars • Guest Lectures • Workshops • Industrial Visit	• Holistic development
Institute of Computer Science and Information Sciences	• Hands-on Projects • Activity-based Learning • Industry-relevant courses • Research	• Academic Calendar • Curriculum • BRIDGE Course • Certification Standards	• Simulation • Aptitude Test • Cultural Clubs • Extra-Curricular Activities • Guest Lectures • Workshops • Mobile Technology [15]	• Improve Aptitude, Reasoning and Cognitive Abilities
Institute of Aviation Studies	• Curriculum • Practical Training • Student Centred Activities • Projects • Skill Development • Multi-Disciplinary	• Academic Calendar • Practical Manuals • Guest Lectures • Honorary Lecturers	• Guest Lectures • Airport Tour • Internship • Drumming, • Keyboard Classes,	Skill Development and Service Oriented Mindset.

	• Knowledge Adoption and Training • Research			
Institute of Social Sciences and Humanities	• Dual Specialisation • Practical Exposure • Alumni Network • Social Outreach Activities • Research • Street Plays • Forum Activity • Institutional NGO • Consultancy	• Academic Calendar • Curriculum • Practicum Manual • Research Code and Ethics	• Concurrent Field Work • Internship • Mini Project • Soft Skill • Technical Skills • Language Proficiency • Placement Assistance • Orientation Visits • Exposure Visits	Holistic Development and Service Mindset.
Institute of Physiotherapy	• Practical Training • Laboratories • Advanced Technology • Digital Learning Platforms • Research	• Clinical Manuals • Academic Guidelines	• Free OPD • Multimedia Technology • Research • Public Screening Programmes	• Skill Enrichment and Professional Ethics
Institute of Education	• Alumni Network • Placement • Special Training • Research • Language Proficiency	• Guidelines issued by the National Council of Teacher Education (NCTE) • Teacher Eligibility Test (TET) • Academic Calendar	• Refined Syllabus • Bulletin Boards • Experienced Faculties • Internships • Conference • Extra-Curricular Activities • Collaboration	• Professional Modern Teachers with traditional flavor.
Institute of Nursing Sciences	• Quality in Service • Research • Clinical Exposure • Library Resources	• Guidelines from the Nursing Council of India • Academic Calendar • Clinical Manuals	• Community Health Programmes • Case Studies • Clinical Exposure • Student Feedback System • In-Service Education Programmes	• Skilled Workforce

2.3 Faculty-Level Distinctive Innovations: Table 3 highlights the framework of 'Distinctive Innovations' initiated by the faculties at their individual subject levels.

Table 3: The framework of 'Distinctive Innovations' initiated by the faculties at their individual subject levels

Name of the Faculty	Name of the Best Practice	Pedagogies to be Adopted	Expected Outcome
Dr. P. S. Aithal	Aithal Teaching Model [16]	Silent Prayer, Entry Test & Summarization	Attention-focused Class.
Dr. Anil Kumar	Contextualization [17]	Connecting Topics to Student Lives.	Increased Student Engagement
Prof. Amith Menezes	Corporate Lessons & Concepts [18]	Case Studies	Freedom to explain any Case of Choice
Prof. Keerthan Raj	Teach the teacher	Shared Learning and Skill Development [19]	Increased Memory.
Prof. Varun Shenoy	Simulation Learning and Role Playing [20]	Simulation Exercises and Role Play	Addressing the Stage Fear.
Dr. Laveena D Mello	Motivating Struggling students Model	Assignment and Group Discussion	Developing Slow Learners.
Dr. Pradeep M. D.	Consistent Picto Learning [21]	Picturization and Review	Enrich Memory
Prof. Vaikunth Pai	Concept to Mind Map	Application and Mind Mapping [22]	Finding Solutions
Prof. Subrahmanya Bhat	Sync Model [23]	Addressing a New Topic	Productive Session
Prof. P. Sridhara Acharya	Virtual Reality [24]	Teaching with Audio Visual Aids	Better Understanding
Prof. Panchajanyeswari Achar	Programming Champ	Team Exercise in the Lab [25]	Mutual Help
Dr. Krishna Prasad	Put Your Best Face Forward.	Alumni Network [26]	Placement Assistance
Dr. Sonia Delrose Noronha	Learn and Gain Game Model	Reward and Punishment [27]	Increased Participation
Prof. Pavithra Kumari	Freedom To Fail Vs. The Right to Succeed	Student Centric Approaches [28]	Individual Concentration
Prof. Pavana Krishnamoorthy	Skit-Writing and Role-playing to Teach Human Physiology [29]	Assignment and Discussion	Simplify the Complex concepts.
Prof. Sahana Patil	Case studies, model making, projection	Projection [30]	Deeper Understanding
Prof. Akshaya V. A.	Letting the students lead the class	Group Discussion [31]	Derive Leadership Qualities
Prof. Asha N.	Case studies and Case Presentation	Demonstration [32] and Group Discussion	In-depth Understanding
Prof. Priyadhersini. S.	Skill development [33]	Exposure Visits	Communication Skills
Prof. Anushree Kotian	Echocardiographic demo & ECG discussion [34]	Demo	Practical Knowledge
Prof. Nikhil Thomas	Brainstorming [35]	Seeking Listeners Opinion	Updated Conclusion.

Prof. Meenakshi Madhukumar	Poster Presentation [36]	Presentation	Freedom of Expression
Prof. Varsha A. C.	Student Presentation [37]	Individual or Group	Competition
Prof. Niketh P. S.	Live example with interaction.	Development of Ideas	Creative Thinking
Prof. Lavanya P. S.	Feedback and Activities.	Mentoring and Improvement	Individual Concentration.
Prof. Suveen Yoel Sudarshan	E-Learning coupled with Clinical Decision Support	Usage of Software	Improve Memory
Prof. Nandana Santhosh	Recalling and Demonstration	Demonstration	Explanation Skills
Prof. Maureen Edwards	Flipped classroom [38]	Presentation and Feedback [39]	Improved Result
Prof. Ashwitha H. Gamsa	Problem-based learning and Journal Clubs	Research	Critical Thinking
Dr. Krishna Prasad K.	Improve Quantitative Aptitude Skills of Students using Vedic Mathematics	Vedic Mathematics	Quantitative Aptitude Skill
Dr. Nethravathi P. S.	Cohort based Learning	Collaboration and Team Work	Participation, Creativity and Leadership.
Prof. Divya Kumari Naveen	Learning from Errors	Real World Projects	Addressing Skills
Prof. Panchajanyeswari Achar	Teach-Record-Upload	Recording the Classes	Address Technical Problems.
Prof. Swathi Kumari H.	Advanced Learning and Skills through Expert Lectures, Seminars and Workshops.	Lecture and Discussion	Learn by Listening
Prof. Vikranth K.	Encouragement to adopt a more positive attitude	Social Activities [40]	Responsible Citizen
Prof. Harshitha K.	Value-based Education	The perspective of Life in Better Ways	Character Building
Dr. Shubhrajyotsna Aithal	Environmental Sustainability	Use of Experimental Green Technology	Small step to realizing US SDGs

3. OBJECTIVES OF THE PRACTICE :

(1) To enlist areas of distinctive innovations which could be carried at the Higher Educational Institutions.

(2) To establish a conceptual framework for the 'Indigenous Distinctive Innovation' model of Srinivas University.

(3) To introduce a comprehensive framework with Strategies, Standard Operative Procedures constituted for the implementation of the model.

(4) To develop a conceptual framework for the 'distinctive innovations' based on the literature survey.

(5) To enlist distinctive innovations across the University, Institutional, and Faculty levels.

(6) To analyze the implications of the 'Indigenous Distinctive Innovation' model with ABCD framework.

(7) To recommend the adoption of the 'Indigenous Distinctive Innovations Model' for Private Universities to leverage quality education.

4. RESEARCH METHODOLOGY :

The case study is carried out with a descriptive research design. The content is analyzed on the literature survey from the Google Scholar database by using literature published between 2012-2022. This study analyses the 'Indigenous Distinctive Innovation' model with the ABCD analysis framework.

5. LITERATURE SURVEY ON THE AREAS OF DISTINCTIVE INNOVATIONS :

The University has focused to bring distinctiveness innovations in multi-faceted areas. The areas of distinctiveness include the introduction of 21st Century Industry oriented courses on emerging technology to its engineering aspirants [41], [42], faculty enrichment activities [43], skill enhancement programs [44], entrepreneurship skill-building programs [45], utilization of human resources, multi-disciplinary research, student development programs, social servicing, social engagement, school adoption, industry-academia collaboration [46], experiential learning, atomic research centres, institutional NGO interventions, volunteering, earn while learn, consultancy, financial assistance, publication house, health care, centre for innovations, day care units, and academic partnership. It has also implemented distinctive strategies, operative procedures, pedagogies and service utilities across faculty, institutional, and University levels respectively.

6. UNIVERSITY LEVEL DISTINCTIVE INNOVATIONS :

(1) Unique Courses in Emerging Technology: The College of Engineering & Technology offers bachelor, master, and doctoral programs in emerging technology such as Nano Technology, Robotics, Artificial Intelligence & Machine Learning, Artificial Intelligence & Virtual Reality, IoT, Robotics & Artificial Intelligence, Cyber Security & Cyber Forensics, Data Science, Cloud Technology & Information Security, and Block Chain Technology & Distributed Computing, Structural Engineering, Industrial Nano- Biotechnology, etc. University disseminates 21st Century skills to the students in collaboration with professional experts such as iNurture, ISDC, ICT Academy, Xlenz, ImagineXP, Kakunje Software Pvt Ltd, Airvantix, etc.

(2) Mandate to complete SWAYAM courses: University has introduced Compulsory 2 Swayam MOOC Courses to be completed per year by each faculty in their area of specialization to remove faculty obsoleteness. This also includes refresher courses and faculty development programs offered by pioneer institutes such as NPTEL, AICTE, IITs, Research Institutes, Universities, etc.

(3) Embedded ESEP & EASP Courses: Employability Skills Enhancement Programme & Entrepreneurial Ability Enhancement Programme Courses are integrated into the undergraduate course curriculum in accordance with the need specified under the New Education Policy 2020 to provide training in Soft Skills, Technical Skills, and Job Oriented skills to be employable and also facilitating the students to develop their ideas to workable small business and starting their start-ups by connecting them to the venture capital organizations for further assistance.

(4) Compulsory Faculty Registration to Ph.D.: All faculties including newly joined are provided with subsidized fees, payment options and study leave to complete course work encouraging them to register for Ph.D. either full-time or part-time in their respective fields or any multidisciplinary areas. The faculties with a doctoral degree can earn even D.Sc. & D.Litt. courses offered by the University to fulfill their ambition of achieving uniqueness in their academic excellence.

(5) Appointment of Research Professors: University has taken a remarkable step to appoint experienced retired Professors with Ph.D. as research professors having served in government, aided, deemed, autonomous institutes having academic and research excellence to their credit. This provided an opportunity both to the retired professors despite their age to get connected to the research centers and for the young researchers enrolled with ambitious to carry out research studies in emerging areas to utilize the expertise of eminent academic experts across the disciplines to derive out best publications and thesis of repute thereby contribute to the knowledge domain of the country.

(6) Centre for Popularisation of Science and Technology: The center is constituted in collaboration with the Centre for Productivity, Grimsby University, U.K. create awareness programs in a social community with special emphasis on Pre-University or Plus Two-level students of Karnataka and Kerala. This center visited around 200 pre-universities or plus two colleges in Karnataka and Kerala and created Emerging Information, Communication and Computing Technologies in the field of Artificial-Intelligence, Machine Learning, 3D Printing Technology, Blockchain technology, and many other underlying areas. Around 40 faculty members actively participated in this program and conducted quizzes based on their presentations and winners are appreciated by Certificates and Cash prizes.

(7) Participating Institute for Unnat Bharat Abhiyan: University is participating in the national flagship program of MHRD, Government of India and contributing to building rural infrastructure and development. The university has adopted Adyar, Chelairu, Malady, Pavoor and Sasihithlu belonging to Dakshina Kannada District in 2020 and carrying out several social outreach programs in the areas of skill development, health, education, employment, ecology, etc.

(8) Member University for Govt. of Karnataka initiated Government School Adoption Programme: Adopted 5 Dakshina Kannada Zilla Panchayat Higher Primary Schools functioning at Cheliaru, Sasihithlu, Parapade, Bolara and Valachil villages of Dakshina Kannada District to leverage the quality of school education. University provides value additions by supporting teaching, counselling, soft skills development, life skills, skill development, personality development, sharing learning resources, extra-curricular activities, etc.

(9) Partnering University for the BOSCH Industry-Academia Collaboration: On-campus Industry-Academia Collaboration of BOSCH is constituted in the city campus to carryout Social Engagement initiatives of the company in the areas of Skill Development of Youth, Training the Trainer (ToT), Capacity building of MSME's, Capacity building of NGO's, Preparing Social Service Professionals, Paramedics Training, etc. The university after carrying out a skill development project by facilitating 15 aspirants to start their skilling center among these 4 students have started the BRIDGE center and after providing paramedics training 25 candidates were placed in different entry-level jobs.

(10) Each faculty coordinates Two Atomic Research Centres: The research council of respective colleges has constituted Atomic Research Centres (2 centers per faculty) to leverage research productivity by encouraging collaborative research work in the area of specialization. It aims at accelerating the publication of research papers in conference proceedings and reputed journals. The platform provides avenue for scholars to deliberate discussion on the research works published. It supports interested researchers to carry out conferences, and interdisciplinary minor or major projects under the platform. University has almost 250 functional atomic centers working in the areas of management, social sciences, nanotechnology, commerce, allied health, education, psychology, etc.

(11) Experiential learning in Aircraft on board: College of Aviation Management has purchased One Helicopter and 2 Mini Aeroplanes and also constructed very spacious Hangers to maintain these aircraft. These models are used to conduct practicum training for engineering students perusing Aircraft Maintenance courses and to orient aviation management students on the fundamentals of the aviation industry.

(12) Parent NGO Exposure: Srinivas Institute of Rural Reconstruction Agency (SIRRA) **is** an NGO founded in 2004 by Dr. CA. A. Raghavendra Rao a great visionary and educationist under the aegis of A. Shama Rao Foundation which is a parent body of Srinivas University engages in Rural Welfare activities. The head office is situated Srinivas Hotel Building functioning with a project officer from the City Campus. SIRRA carries social outreach programs through the Social work Department (MSW), Unnat Bharat Abhiyan Forum, Govt School Adoption programs, Srinivas Hospital, etc. It provides an opportunity for students to carry out their field practicum. It aims to improve the standard of living of the underprivileged by promoting their empowerment. It facilitates sustainable development through community participation. It provides services in the fields of health, education, economic development,

social and spiritual development, creating awareness, organizing camps, rallies, street plays, and community drives, etc. Organizing programs in collaboration with community organizations such as Self-Help Groups, Panchayats, Clubs, Associations, Schools, etc.

(13) Chancellors Merit Scholarship: For all the students enrolling in Srinivas University courses securing more than 95% marks in their 12th Standard will get all the years fee waiver (One Student per course) and up to five students scoring above 90% marks in 12th Qualifying exam will get 50% course fee waiver for all the years of their chosen program. This is an exclusive scholarship scheme introduced by Srinivas University to motivate and help meritorious students belonging to economically weaker sections.

(14) Earn while Learn Programme: The placement cell of the University will help the undergraduate and postgraduate students to get into part-time jobs where the student can spend their unutilized time after regular classes in a more productive way and can earn a salary by which he can minimize dependency over their parents. Students will be employed in pizza hut, Swiggy, Zomato, commercial shops, hotels, pubs, retail shops, supermarkets, customer cares, BPOs, etc.

(15) Consultancy Services: Carried out over 150 Consultancy projects with revenue sharing in the fields of Skill development, Nanotechnology, Solar Cold Chain, Renewable energy, Entrepreneurship development, Food, Beverage Management, etc. This provides ample scope for the experts in the varied field including the faculties and alumni to provide service to the needy and generate revenue which could be further explored for further research.

(16) Srinivas Publication House: University started Srinivas Publication with four multidisciplinary journals in the areas of management, education, IT, Social Sciences, and health sciences. To provide hazel-free dissemination of knowledge across the globe it has adopted open access policy. It carries out journal publication in reputed bi-annual journals such as the International Journal of Management, Technology and Social Sciences (IJMTS), International Journal of Health Sciences and Pharmacy (IJHSP), International Journal of Applied Engineering and Management Letters (IJAEML), and International Journal of Case Studies in Business, IT, and Education (IGCSE) and also publishes books online by granting ISBN also.

(17) Health Coverage: University provides free annual medical check-ups to all students of Srinivas University from Srinivas Hospital and Research Centre along with free treatment with generic medicine. All the faculties including their family members will get complete medical coverage for in-patient treatment and subsidized medical coverage for surgeries. The hospital has provided free Covid vaccines to all the staff and students by conducting campus drives.

(18) Centre for Technology Prediction and Forecasting: The centre forecasts emerging technologies which will bring a magnanimous breakthrough in the existing system. This centre covers various technology predictions like innovative digital payment services and their impact on various large-scale, medium-scale, and small-scale businesses, Human life comfortability using nanotechnology or 3D printing technology, 6G wireless technology features forecasting, and many more. This centre has already brought out many noteworthy publications by eminent scholars and also received good citations from all over the world due to its quality and open-access publications.

(19) Free Out-Patient Physiotherapy Centre: College of Physiotherapy constituted the Out Patient Department at the city campus and provides free physiotherapy treatment for musculoskeletal, neurological, paediatric, sports injured and cardiac patients. Under musculoskeletal issues treatment is provided to more than 25 patients on daily basis before COVID 19 situation and during the present condition recorded about 20 patients on an average per day with advanced instruments like posture analyzer, force plate, laser, digital hand-held dynamometer, pressure biofeedback and electrotherapy modality units like ultrasound, IFT, TENS, HOT & COLD fermentation, best manual therapy techniques based on the condition of the patient. Under the Neurology section, treatment is provided to 12 to 15 patients per day for neurological conditions like stroke, Parkinson, bells palsy, brachial plexus

injury, etc. Treatment with advanced technology like virtual reality, balance training with various surfaces, gait training with walking aid and appliances, wheelchair accessibility, and conservative treatment is imparted with progressive outcomes. In pediatrics, cases like CP, delayed milestone, bronchial plexus injury, GBS, down syndrome, etc are well handled with care and physiotherapy treatment based on the developmental pattern. Treatment for this age group is provided through sensory integration, audio-visual feedback for head and trunk control, balance training and gait training playfully. With all this, the cardiorespiratory conditions are well handled with advanced technology including portable capnography, and PFT techniques. All the age group patients are treated including geriatric rehabilitation.

(20) Intensified Research Focus: Offers research-oriented curriculum to UG & PG courses, insists on research projects for the P. G. students, publication of research findings in the University Peer Reviewed Research Journals, compulsion to conduct Case studies and publish papers in association with faculty members. Constituted atomic Research Centres to carry out research in collaboration, Minimum 2 Conferences from every College annually, and fixation of Faculty Incentives upon the academic result, project funding, journal Paper and patents.

(21) Academic Partnership: For the delivery of industry-ready courses University has established collaborations with educational service providers including INurture, Bangalore, ICT Academy, Venture Soft Global, California USA, IMT Lille Douai, France, Imagine-XP of Pune, Airvantix Education Pvt. Limited, Bangalore, Dell-EMC, Nano Technology and Catalysis Research Center, University of Malaya, Malaysia, DynaMed Clinical Research Tomball, Texas, United States of America, CannyIdeas, Brand Marketing, Iselin, New Jersey, USA, WSB Universities, Poland, City of Glasgow College, Scotland, Raigunj University, West Bengal, Kakunje Software Private Ltd, Mangalore, ACE Manufacturing System Bangalore, etc

(22) Digitalisation of Teaching-Learning Infrastructure: The usage of the Teachmint platform for Online Classes, Digital library facility, Automation of Academics and Evaluation, University Website, Blogs, YouTube Channel, and Cashless fee payment system has brought greater transparency to its services.

(23) Online Ubiquitous Digital Library for all Stakeholders: The University has converted its existing library into a Digital library for ubiquitous usage by its stakeholders. The process of converting all its physical books into digital books is still going on by taking permission and membership of the Reprography Society of India. Srinivas University Ubiquitous Digital Library (SUUDL) currently has 3,600 scanned books, 64,449 books, 4,000 study material books, 50 Databases,

(24) Inter-Institutional Consultancy within the Group as Internal Team Consultancy: University has developed a culture of sharing faculty expertise on inter-departmental and interdisciplinary matters through internal consultancies by organizing guest lectures, workshops, conferences, fests, competitions, social engagements, faculty development programs, management development programs, field study, campaigns etc. Faculties across the departments engage value-added subjects from their respective fields to the needy and help in grading the performances of the students.

(25) Faculty Initiated Micro-Incubators to develop and nurture New Business Ideas: Micro-incubator units are constituted across the institutes. The faculty coordinator shall help interested students to convert their small business ideas into a small business at the micro level yielding subsidiary income leading further to establish a startup in the span of time.

(26) Women Sensitive Facilities: Ladies' common rooms, medical and dental clinics, physiotherapy care, full-time lady medical staff, separate reading lounge in the library, women cells, anti-harassment cells, anti-ragging committees, surveillance cameras, counseling services, security personnel, mentors, uniform and identity cards, separate ladies Hostel with the warden, biometric attendance, college bus facility, safe locker facility, book bank, etc.

(27) Frontline Warriors in battling COVID-19 Pandemic: Srinivas University announced Online Classes to its students during the national lockdown period. It has deputed doctors, nurses, paramedical staff and lab technicians to assist the district administration in managing the crisis. Health camps and blood donation programs were organized in the villages. About six *free COVID-19 vaccination drives* were organized in campus to safeguard people from getting infected.

(28) Disabled-Friendly and Barrier-Free Environment: University has constructed ramps and lifts for all the buildings for easy access for all. 'Divyangjan' friendly washrooms are constructed in the academic blocks with all the required disable-friendly fixtures. Disable friendly Signage, lights, display boards and signposts are installed wherever necessary. Assistive technology such as free screen-reading software and mechanized equipment are provided. Human assistance is provided at the entrance of the academic block. To support students with disability in the examination process, reader, and scribe facilities are provided. The central library is equipped with audio study materials for the use of students.

(29) Building an Inclusive Environment: Srinivas University is situated a coastal city famous for tourism, education, health and culture. Students and Staffs are belonging to multicultural people from diverse locations, culture, language, communal and socio-economic backgrounds. Inclusivity, harmony and tolerance is maintained as a sign of our pluralistic approach. Independence Day, Constitutional day, National Service Day, Mental Health Day, Labours Day, Friendship Day, Mother's Day etc. are observed.

(30) Going Green and Sustainable Practices: University has secured Green Campus recognition with Platinum Ranking from Green Mentors by practicing several green practices including adoption of a solid waste disposal system with a multi-bin system. The inception of the Water Recycling Plant with 4.5. KLD (STP) capacity to recycle 400 litres of water per day. Entered into a Memorandum of Understanding with organizations to dispose off Electronic and Bio-Medical Wastes. Installed Rain Water Harvesting filters and Bio Gas Plant in the campus. Issued ban on the usage of Plastics inside the campus. Invested in purchasing electric vehicles for internal commutation. Encourage usage of public transport from its stakeholders to reduce carbon footprints. Built green landscaping around the campuses through plantation and gardening. Undertakes electric, green and environmental audits from organisations of repute. Carry out environmental awareness programmes in the nearby communities.

7. INSTITUTIONAL LEVEL DISTINCTIVE INNOVATIONS :

(1) Institute of Hotel Management and Tourism: Institute is a pioneer in disseminating quality education in hospitality carrying the legacy of over 33 years of service. Training in advanced Kitchen, Bakery, and Front Office on a one-to-one basis made the institute unique. Professional Service is taught to the best in the Service Restaurant specially designed for the purpose. Under the Continued Assessment Test (CAT) model college has introduced innovative 20 hours of practical training in every semester for all students with any hotels of repute functioning in the locality. Hotel Srinivas, a Three Star Restaurant managed by the parent body of Srinivas University has the custom of training our students in the areas of the front office, production, and service sections. On completion of training for 20 hours, students will get the best exposure to all the basic hotel functions and earn 10 marks for that semester. This short training will help the students so much to complete their internship in more professional ways. Two Semester Training Programme (TSTP) is introduced in Bachelor of Hotel Management and Catering Technology with Industrial Exposure Training (IET) for the 6^{th} Semester to orient students to the functions of core departments and On Job Training (OJT) for the 8^{th} Semester encouraging work in specializations as oriented in the 7^{th} Semester. Students will undertake a research project in their final year probably along with OJT to derive research outcomes in their field of specialization by building in-depth knowledge. Special consideration will also be taken by the institute to develop the overall personality of the students by disseminating professional ethics and etiquette for better careers.

(2) Institute of Engineering and Technology: The Institute aims at international standards in education and training for preparing competitive graduates in the emerging fields of Engineering. It immerses students in the rigorous, innovative curriculum and experiential learning. Student engagement with State-of-the-art laboratories and Technology facilitates Professional training and Research. It has been the endeavor to provide a healthy educational environment to foster innovation and enthusiasm in students. emerging technology such as Nano Technology, Robotics, Artificial Intelligence & Machine Learning, Artificial Intelligence & Virtual Reality, IoT, Robotics & Artificial Intelligence, Cyber Security & Cyber Forensics, Data Science, Cloud Technology & Information Security and Block Chain Technology & Distributed Computing, Structural Engineering, Industrial Nano- Biotechnology, etc. The College has introduced into its academic calendar innovations including Value added international certification courses, MOOC courses, industrial tie-ups, activity-oriented experiential learning, Research Orientation in teaching, project guidance with copyright and patent filing, Early Induction of NEP, Intensive guidance and student mentoring system and Orientation on Sustainable Development and Professional Integrity to serve better.

(3) Institute of Management and Commerce: The institute is set with a vision of high values to become a world-class institution that develops responsible global leaders who build a socially responsive empowered society. It is driven by a relentless mission to develop a value-based learning environment that nurtures, sharpens, and enriches students' knowledge, skills, abilities, and attitudes to create competent leaders. We are committed to quality and excellence in all our activities-teaching, research, training, and extension. We focus on delivering exceptional education through a curriculum focused on employability, entrepreneurial ability, and higher education with research to be able to make significant contributions to society locally, nationally, and internationally. The institution strives to constantly inspire students and provide a platform for multifaceted skill development, multidisciplinary knowledge adaption, and learning, and ethical and human value development through immersive learning in every sphere of the various programs offered. The institution along the lines of the university has a student-centric faculty-focused model. Hence, the institution is focused on ensuring that the faculties also receive timely well-structured opportunities aimed toward their personal development through academic progress in career, institutional growth, and well-laid-out career paths. The institution has a clear five years strategic trajectory chart planned for institutional growth, students' progression, and faculty advancement. The institution always stimulates and supports students to imitate, plan and participate in various community development activities. It has at all times adopted new paths for the enrichment of teaching-learning practices, student-focused activities and initiatives and to instill values among faculty members and students to make them better citizens and socially responsible global members. The college plays an active role in the communal range and offers all possible kinds of help to the bordering community and all of these steps have fostered our institution to stand out as distinctive practices for a better-educated world serving our community.

(4) Institute of Allied Health Sciences: Institute since its inception has acclaimed academic excellence through its Value based education in B.Sc and M.Sc disciplines with Super Specialty courses having academic flexibility. College offers 16 undergraduate, 12 postgraduate courses and 5 research courses leading to Ph.D. Emerging courses including B.Sc. Virology & Immunology, B.Sc. Clinical Psychology, B.Sc. Digital & Cyber Forensic Science, B.Sc. Neuroscience, B.Sc. Emergency Medicine, B.Sc. Physician Assistant, M.Sc. Anaesthesia & OT technology, etc. have attracted commendable admission. The study environment is conducive with excellent infrastructure, highly qualified teaching fraternity, and maximum exposure facilitating holistic development of students. The Institute provides all the necessary support and assistance to all eligible students to avail of National and State Scholarships offered through Scholarship portals. One Student having above 95 % marks and 5 students with above 90% marks in their PUC will be offered with Chancellor's Scholarship having the facility of waiving the tuition fee of the course. To disseminate emerging trends in the paramedical profession with requisite skills, the institute organizes National and International Seminars and Guest Lectures through field experts drawn across the discipline. Workshops are organized to provide hands-on training to the students beyond their curriculum exposure. Students are taken on Industrial visits to provide practical experience in the working environment to understand future career avenues. The college is endorsed by multi-faceted and talented students and faculties working tirelessly to bring laurels with

their outstanding achievements in academics and research output. Our journey on the path of excellence continues.

(5) Institute of Computer Science and Information Sciences: Along with the academic discourse, the college conducts hands-on projects for selected courses such as E-Commerce to facilitate better learning. It believes that simulators are good options for hands-on teaching and learning in higher education, for MCA simulations such as CISCOs ROUTERSIM is adopted to teach Network Design and Management [47]. Activity-based learning is adopted where students will be assigned specialized tasks where the performance is monitored and recorded and adopted for the internal assessment. BRIDGE Courses are conducted at the beginning of every academic year by including course content in line with CISCO CCNA Certification. Her efforts are put into identifying industry-relevant courses to redesign bridge courses on par with standard Certification Programs. For instance, the Network course is designed as per CCNA Certification standards and the Linux course content is redesigned as per RedHat Certification standards. Assessment based on Multiple Choice Questions is conducted at the end of each module which serves as summary tests that facilitate improvement in aptitude and reasoning abilities among the students. For the holistic development of students, they are involved in cultural clubs. These clubs carry out sever extra-curricular activities for the students with ample opportunity to improve their communication skills, and ability to cope with criticisms. Competitions, seminars, guest lectures, and workshops are conducted by the IT Forums to provide a better opportunity to explore and nurture students' talent in cognitive ways. Engaging Undergraduate students in the National Service Schemes (NSS) will build interpersonal skills fostering them to become responsible citizens.

(6) Institute of Aviation Studies: Since 2017, the Aviation Management course has grown in popularity as a burgeoning talented degree, and as a result, it has been renamed College of Aviation Studies, which has attracted rapid enrolment growth and expanded as one of the best and most preferred Aviation colleges in Karnataka and Kerala. With a vision of high values and its own goals, it has taken a huge step toward becoming a world-class institute that educates and trains students to become talented aviation professionals and responsible global leaders who help to develop a socially responsive and empowered society. To do this, we have assembled a team of highly qualified and bright instructors who are experts in all elements of aviation and management. The college promotes the study of airlines, airports, and businesses associated with the aerospace sector, and to do so, we invite guest lecturers and honorary lecturers from various airports and airlines to provide our students with a practical understanding of how the aviation industry works. The College of Aviation Studies has created a curriculum that focuses on skill development rather than just theoretical training. According to our curriculum, students will gain theoretical and practical knowledge of aviation management, civil and cargo airport management, and airline management. To accomplish their graduation, students must tour domestic and international airports every semester and complete a 90-day internship in the sixth semester (UG) and fourth semester (PG). The institution works hard to inspire students and create a platform for skill development, multidisciplinary knowledge adaptation, and learning. It also provides extra training such as drumming classes, keyboard classes, and Bharatanatyam classes to help students improve their cultural spirit. It has always taken new approaches to improve teaching and learning techniques, student-centric activities and projects, and instill ideals in staff and students to help them become better citizens and socially responsible global participants.

(7) Institute of Social Science and Humanities: Institute offers undergraduate, postgraduate, and doctoral programs in Social Work, Sociology, Psychology, Language, and D. Litt. In Social Science discipline. The curriculum is set with value inputs matching the job profiles. Concurrent field Work of 2 days per week in the Community Based Organisations during the first year and in the industries of relevance during the second year will provide sustainable practical exposure to students. One monthly Internship facility during the third semester will add value to their professional learning. Mini-research projects expose students to scientific ways of analyzing social facts. Soft skills, Computer skills, and Language Proficiencies are imparted through the curriculum facilitating holistic development. Efforts are initiated to build project and program organizing skills among students helping them to fit in with wider job opportunities. Dual specialization offered in Master of Social Work with Human Resources

and Medical and Psychiatric Social Work specialization has amplified avenues of employment. Strong Alumni Network facilitates the placement of the students. Active campus placement cells and industry collaboration have fuelled industry-academia interplay. Students carry out Social Outreach Activities in the adopted villages under the Unnat Bharat Abhiyan Programme of MHRD, Government of India. One weekly Orientation Programme is carried out to induct new students every year. Three Conferences are conducted annually by the college encouraging joint publication of papers by faculties and students in the conference proceedings and journals. Institute carries out industry visits and guest lectures from subject experts to update on the current developments in the discipline. Students are trained to perform Street Plays to sensitize people to public issues. Forums on Public Awareness, HR, Culture, and Environment are active in organizing service activities. Srinivas Institute of Rural Reconstruction Agency (SIRRA) an NGO sponsored by the parent body of the University involves students to carry out campaigns, surveys, social service, and consultancy in the adopted villages of the University.

(8) Institute of Physiotherapy: Institute for the last 4 years has come up with completely free physiotherapy treatment for all kinds of musculoskeletal, neurological, paediatric, and sports injuries as well as cardiac patients in our OPDs. Department has incepted the best digital learning platforms for the better conceptualization of students. Practical training is imparted through laboratories and practical rooms constituted in the campus with the most advanced equipment in different OPDs such as posture analyzer, Force Platform, Balance Screener, Digital hand-held dynamometer, Hand Dynamometer, Pinch Grip Dynamometer & Body Fat Analyzer, Movement Analysing Lab, Pressure biofeedback and electrotherapy modality units like Ultrasound, IFT, TENS, Hot & Cold fermentation units as well as best Manual therapy techniques concerning different therapeutic uses had been taught to the students in musculoskeletal OPD. A cardiopulmonary unit like PFT (Pulmonary function test), Intermittent pneumatic compression, Electromyography, Portable capnography, BP apparatus, and Spirometry [lung function unit] are been utilized for Cardiac and respiratory conditions. In Neurology OPD the condition like Stroke, Brachial plexus injuries, Parkinson, bell's palsy, etc conditions are been treated with all the advanced technologies including Nerve conduction velocity studies, balance and gait training using various aids and appliances, Spinal decompression unit, (RPMS) Repetitive Peripheral Magnetic Stimulation, Surface EMG, Virtual reality, wheelchair accessibility, and all the necessary conservative physiotherapy treatment is provided. The multimedia facilities with audio-visual technology are introduced to impart education in the most interesting ways, the students are conducting research studies by using advanced technology and research-related discussions are conducted in the Research lab. The college has constituted all these facilities in an outpatient department to offer free treatment involving advanced technology based on the condition for the patients suffering from Musculoskeletal, Neurological, Geriatric, Paediatrics, and Cardiorespiratory conditions. College also organizes various public awareness and screening programs to the public every year. And the benefits are open for all the age group population seeking physiotherapy treatment.

(9) Institute of Education: Since 2018 impart innovative and qualitative professional education to aspiring teachers with modern, sophisticated techniques of teaching yet without losing the flavour of traditional teaching methodology. The college is formally approved by the National Council of Teacher Education (NCTE) and recognized by the Karnataka state government CAC (Central Admission Cell) Code no. 43007 for the intake of Govt. quota seats. The university's strong alumni network endeavours to support our students in their initial years of professional lives as teachers. Advertisements from different Schools are exhibited on the Bulletin board. The Syllabus is refined as per the present need and value-added and disseminated through qualified and experienced faculties. One full semester internship, where students are given hands-on experience in both govt and private educational institutions. Active campus placement cell for the students. Special training is provided in the ICT (Information & Communication Technology). Students are encouraged to participate in national and international conferences. Guidelines and mock tests are provided to clear TET (Teacher Eligibility Test) within two years of B.Ed. Communicative English training is provided to build language proficiency. Sessions are provided about competitive examinations such as UPSC, NET, KSET, etc. Training is provided in Yoga, Music, Drama, Sports & Community Services through N.S.S. College entered into MOU with Educational institutions to provide practical exposure to the students.

(10) Institute of Nursing Sciences: The Institute provides fee concession in the admission process. It ensures the quality of service by sticking to the norms of the apex body concerning infrastructure and staffing. Strict compliance with the academic calendar through Offline and Online classes. Dedication to community health training and community participation. The best exposure is provided through case studies and clinical presentations. Guidance is also provided to encourage students to higher education with fee concession. Development of Library Resources on yearly basis. Student feedback is collected annually to check up on the service quality. Annual in-service education is provided to teachers to update them on the emerging changes in the profession.

8. SOME EXAMPLES OF INDIVIDUAL FACULTY INNOVATIONS IN TEACHING AND LEARNING PROCESS :

(1) Aithal Teaching Model: Dr. Aithal P.S. carry out silent prayer, entry test & summarization in every class. Each class of one-hour duration is started with a silent prayer of one minute to recall their goal in life. Then an entry test is carried out by displaying questions on the topic discussed in the previous class. During the calling of attendance, students will prepare for the questions and students will be randomly picked to answer the entry test questions. After discussing answers to all entry questions, the teaching session will continue as per the topic given in session wise Teaching plan. At the end of each class, the teacher will call 2 to 3 students randomly to summarize the class. The summarization opportunity for the students pressurizes the students to focus on the class session by writing down the gist of the session so that all students will concentrate on the topic discussed in the class to maintain their dignity and avoid possible shame during summarization [16]

(2) Contextualization: Dr. Anil Kumar connects topics to students' lives. The concept of contextualization involves applying various theories and skills to the everyday context in the student's life. The student is motivated to explore and think of examples where the particular context was involved in their day-to-day life. They are channelized to go through a process of discovering the latent applications and meaning, this fosters pride and confidence in their abilities as a manager. "Understanding" means connecting new learning to previous knowledge. Assisting students make these connections strengthens newly acquired knowledge and increases student engagement with learning activities.

(3) Corporate Lessons & Concepts (CLC Model): Prof. Amith Menezes share Corporate ways, Corporate languages, jargon and working of Corporates based on stories. The students are asked to find out the latest concepts in the industry of their choice & explain the same in class.

(4) Teach the Teacher: Prof. Keerthan Raj carries out classroom discussion with continued involvement, assimilation of concepts taught, and creating an atmosphere of inquiry, shared learning, and skill development. It teaches the teacher concepts that remain in mind for longer.

(5) Simulation Learning and Role Playing (SLRP): Prof. Varun Shenoy involves students in the social responsibility projects like NSS, community development etc. Either Role Play of a Social Volunteer or Simulation of Society will teach students to take up the real such project in any village for the betterment of society.

(6) Motivating Struggling Students: Dr. Laveena D Mello motivates students to identify the cause of their poor performance and guides them to overcome it. Evaluating MSW field practicum with "GOOD" comments, usage of models, movie clips, case studies, Assignments, Group discussion, and crisis support.

(7) Consistent Picto Learning [48]**:** Dr. Pradeep M.D. guides slow learners with the technique of picturizing concepts and orienting them to glance at the pictures on daily basis to map the concepts into their memory. It assists slow learners to enhance their memory.

(8) Concept to Mind Map: Prof. Vaikunth Pai explains the application part of the concept first along with explaining the effects of such applications. They are much quicker and easier to remember because of their visual quality to solve real-world problems.

(9) *Sync* Model: Prof. Subrahmanya Bhat addresses any new topic by teaching students with new things at an abstract level. Before winding up of the session, disclose the proposed topic to be addressed in his next class and ask students to come prepared with some ideas then provide further ways to questions answer and discussions.

(10) Virtual Reality [49]**:** Prof. Sridhar Acharya teaches students by using Virtual Reality with animated slides. Student role plays, study materials and solved questions are provided to the students.

(11) Programming Champ: Prof. Panchajanyeswari Achar frames student teams of five or six members with a team leader. The task will be given to the teams and the leader will guide the performance of the tasks along with his team members. This will teach teamwork and improve communication. The best team leader will get awarded.

(12) Put your best face forward: Dr. Krishna Prasad builds affinity with alumni by informing the public about alumni networks. Communication with alumni needs to be kept alive through email and social media. This network enriches student placement also.

(13) Learn and Gain Game Model: Dr. Sonia Delrose Noronha motivates students through rewards and punishment on daily basis. Student rewards will enrich student participation based on the efforts they put towards gaining the reward.

(14) Freedom to Fail Vs. The Right to Succeed: Prof. Pavithra Kumari carry out customized student development strategies based on the learning abilities of the students.

(15) Skit-Writing and Role-playing to Teach Human Physiology: Prof. Pavana Krishnamoorthy teaches complex topics such as sensory and motor pathways through creative writing and role-play. The topics are given as assignments and students are informed to discuss Physiology in general. The dialog will stimulate students to reflect on information on various functions of organs and associated diseases of personal interest.

(16) Case Studies, Model Making, & Projection: Prof. Sahana Patil teaches anatomy in the laboratory by using projections. The use of projected specimens allows students to gain practical manual skills, and knowledge, better understanding and recall anatomical structures, and gain a deeper understanding of structures.

(17) Letting students lead the Class: Prof. Akshaya V. A. gives students a chance to lead the class by putting them in a difficult situation to assess their leadership quality. Group discussion is carried out to assess their ability to contribute to their team.

(18) Case Studies and Presentation: Prof. Asha N, carry out Case Presentation to provide a depth understanding of psycho-pathological problems and their therapeutic intervention. Demonstrations and Group discussions are carried out to improve creative thoughts. This increases student and teacher interaction through the exercises.

(19) Skill Development: Prof. Priyadhersini S, organize exposure visits of students to NGOs, Old Age Homes, Mental Health Care Units, Charity Homes and Rehabilitation centre are taught to improve the physical health of the inmates by conducting exercises and breathing techniques. Various games and activities are organized by students.

(20) Case Studies and Book Review: Prof. Shreyasi Roy conducts Case Studies to enhance understanding of different types of behaviors and insight into various psychological concepts. The book review is also suggested to get extra information on the subject.

(21) Echocardiographic Demo & ECG Discussion: Prof. Anushree Kotian provides hands-on training over certain disease conditions through Echocardiography. The students will also be guided to report the cases enabling them to diagnose varieties of ECG abnormalities.

(22) Brainstorming: Prof. Nikhil Thomas provides general information on the topic of discussion before starting the class. The slides are used to teach the theoretical information. The appropriate video will be played about the procedural part. A brainstorming session will be conducted over the understanding to derive the conclusion.

(23) Poster Presentation on Case Studies: Prof. Meenakshi Madhukumar carries out poster presentations at the end of the module. It provides an opportunity for the students to present a new skill, idea or concept to the class. The student will collect deep information about real-life cases and discuss them in detail.

(24) Student Presentation: Prof. Varsha A.C. let's the students lead the class with individual or group presentations. Students are assisted to comprehend the concept with the duration of the presentation, points to be covered and creativity to be included. It provides an opportunity for the students to share their knowledge in the classroom and improves their communication.

(25) Live Examples with Interaction: Prof. Niketh P.S. shares live examples connecting topics to real-world situations for better understanding. The research findings are explained and student interaction is encouraged for interactive sessions.

(26) Case Studies, Presentation, Charts and Activities: Prof. Vinitha, gives Case Studies based on the topics to the students to teach theory and its application. Individual or group presentations will be given to students to eliminate stage fear and encourage teamwork and creativity. Charts will be used to substitute learning. Activity-based teaching practice will make the learning interesting and seek student attention.

(27) Case Studies and Presentation: Prof. Sahil C provides customized topics to students for preparing slides and presenting them to the class. Case Studies are distributed to a group of five students and asked to prepare a poster which shall be presented. The presentation skills are assessed through this method.

(28) Feedback and Activities: Prof. Lavanya P.S. seeks feedback after the completion of each module and good suggestion shall be considered and implemented. Study materials are shared and few topics are allotted in groups and presentations are carried out with case study presentations.

(29) E-Learning coupled with Clinical Decision Support System: Prof. Suveen Yoel Sudarshan selects the best diagnostic imaging test suitable to varied clinical situations. YouTube videos and computer programs are used to teach the recognition of anatomical structures, pathological patterns, ultrasonography and interventional radiology. Reference to foreign author books is provided to students for reference. Teaching practicals in clinical postings help to recall the theoretical portions done in the class.

(30) Recalling and Demonstration: Prof. Nandana Santhosh uses the recalling technique by asking questions, providing key points and facilitating discussion. The demonstration technique is used to provide depth understanding of the topic and assist in carrying out the procedure in the clinical setup.

(31) Flip Class: Prof. Maureen Edwards encourages students to work independently and maximize the application of content in the interactive sessions. Students are directed to view online lectures prior to

attending the class to gain 'first exposure learning' then students shall participate in the class and receive feedback to improve further.

(32) Problem-based learning and Journal Clubs: Prof. Ashwitha H. Gamsa provides Case and seeks a debate on similar cases and recording in the log book. Asking case-based questions in exams will evaluate the application skills of the students. The Journal club will be formed to introduce students to the research database to produce quality articles. The critical Appraisal Skill Program is conducted to train students on the critical evaluation of research works.

(33) Cohort-based Learning: Prof. Nethravathi P. S. provides an active, interactive and dynamic setting by creating groups with a shared interest to progress with learning experiences. This group disseminates support, teamwork, and resource sharing. It builds an environment giving way to collaboration, team building, and competing within. It encourages student participation, fosters creativity, builds leadership skills, and generates a sense of teamwork.

(34) Learning from Errors: Prof. Divya Kumari Naveen educates students on experiencing failure to learn with real-world projects. Students are given a problem to solve and train at each stage of failure to eventually find success.

(35) Learning through Lectures, Seminars, and Workshop: Prof. Swathi Kumari organizes guest lectures to disseminate knowledge on topic-specific content providing real-world life experiences. It enables students to interact with professionals to foster communication skills.

(36) Adopting Positive Attitude: Prof. Vikranth K. sensitizes students to develop a positive attitude by facilitating students to actively engage in social activities to become responsible citizens in the future.

(37) Value-based Education: Prof. Harshitha K helps students to realize human values and the purpose of life. Students are sensitized about life that is useful to themselves and the people living around them. Values make the student more and more responsible and sensible. It preaches the perspective of life in better ways to become a responsible citizen of the country. It derives a positive view of life with a good relationship with family and friends.

(38) Heutagology: Prof. Shreeraj S Acharya uses Heutagogical Approach by facilitating students to find problems and answer questions arising in the due course. The students will have a voice and choice in the subjects of their study.

(39) Hands-on Learning Model: Prof. Vidya N provides an opportunity to create something of their own. Hands-on training encourages students to think outside the box to experiment and explore upon the problem. Students are made to learn by experiencing real-life situations and providing opportunities for learning from that environment.

(40) Learning Products & Processes through Patent Analysis: Patent analysis is a technique rarely used in basic sciences and applied sciences. But now new pedagogy of experiential learning using others research output made a new opening of learning products and processes through patent analysis. Google patents, an open access patent platform with millions of patents [50]

9. ABCD ANALYSIS OF INDIGENOUS DISTINCTIVE INNOVATIONS EXECUTION FRAMEWORK :

The execution framework adopted for indigenous distinctive innovations by Srinivas University is assessed from the researcher's point of view based on ABCD Analysis [51-56]. The advantages, benefits, constraints, and disadvantages of the framework are discussed below.

10.1 Advantages:

(1) Policies guide the progress of the University in the right direction.

(2) Automation of the academic system will enhance the transparency of the System.
(3) Human Resource Development will improve employee morale and student satisfaction.
(4) Social Engagement will contribute to developing the Social Footprints of the Organisation.
(5) Consultancy facilitates resource sharing and mutual help.
(6) Platform is created to publish quality research and publication.
(7) NGO intervention connects the institution to societal needs.
(8) In-house publication opportunity saves money and time for scholars.
(9) Health provisions will enhance employee job security and student safety.
(10) Day-care services enable subsidized health care services.
(11) Academic partnerships reduce investment and mutual benefits.
(12) Industry-Academia Collaboration contributes to developing the skill ecosystem of the Country.
(13) Disseminate ideologies of professional integrity and value education to students.
(14) Impart Knowledge, abilities and skills suitable to the future.
(15) Develop aptitude, soft skills, reasoning, and creativity of the decision-makers.
(16) Contribute to developing a skilled workforce and responsible citizens.

10.2 Benefits:

(1) It incorporates transparency, discipline, gender equity, and sustainability into the system.
(2) It contributes to the skill development and entrepreneurial capacity building of students.
(3) It facilitates the adoption of the New Education Policy 2020 into higher education.
(4) It facilitates for planned Social Engagement and Social Service from Universities.
(5) It aims to build institutional intellectual property output through research and publication.
(6) It emphasizes for providing experiential learning to students with field exposures.
(7) In-house health facilities secure risks arising out of health contingencies.
(8) Collaboration and Consultancy Services create mutual help and benefit-sharing opportunities.
(9) Aims on empowerment, professional integrity, leadership, holistic development, employee enrichment and service mindset for sustainability.
(10) Innovations build a competitive edge and gradually enhance the brand value of the University.

10.3 Constraints:

(1) Increase Competition resulting in High Work Pressure
(2) Rigidity is brought into the system due to legal compliances.
(2) Demand more Investment in every pilot project
(3) Higher scope for constraints arising out of regulatory norms.
(4) Issues relating to breach of Data Security
(5) Greater scope for the breach of research integrity and ethics.
(6) Can cause Corruption with absolute autonomy.
(7) Comprise over the Quality due to negligence.
(8) Over-emphasize on recording over and above the execution of innovations.
(9) Good work can fail due to ineffective publicity.
(10) Leads ways for manipulation and fabrication of facts leading to a breach of professional integrity.
(11) Lack of impact assessment and pol of University resources on unproductive innovations.

10.4 Disadvantages:

(1) Poor administration and decisions may lead to loss of investment
(2) Huge investment of both time and resources.
(3) Increase Work Pressure
(4) Lack of Official Mandate may result in the failure of implementing innovations.
(5) Social Engagement is difficult due to a lack of public participation and resource mobilization.
(6) Implementation may get dragged due to unhealthy implementation procedures.
(7) It is time-consuming and costly by nature.
(8) Poor marketing may lead to failure in reaching the public
(9) This may lead to unhealthy competition among educational institutions.
(10) May result in the manipulation of facts.

10. CONCLUSION :

Goal 4 of the Sustainable Development Goal proposes equitable education for all with quality education along with lifelong learning avenues for holistic development [57]. Educational institutions can meet global and local demands through distinctive practices [58]. The innovations of Srinivas University developed across different levels help in building the competitive edge of the organization and create its stand-out image in society. Innovations in teaching and learning definitely enrich the quality of service and student experience [59] ABCD analysis depicts the substantial reliance on the advantages and benefits of the framework over and above the constraints and disadvantages of the model this study recommends the Indigenous Distinctive Innovations Model along with its execution framework for adoption to all other higher education institution for better service utility to stand out in the competitive era.

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