



SUMANDEEP VIDYAPEETH

An Institution Deemed to be University u/s 3 and 12B of UGC Act 1956
Accredited by NAAC With a CGPA of 3.53 on a Four Point Scale at 'A' Grade
Category -I Deemed to be University Under UGC Regulations 2018

At & Post: Piparia, Taluka: Waghodia, District: Vadodara

POLICY ON
EVIDENCE BASED EDUCATION SYSTEM
(EBES)

Type of Policy: (EBES)



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Vice-Chancellor

Sumandeep Vidyapeeth

An Institution Deemed to be University

Vill. Piparia, Taluka: Waghodia,

Dist. Vadodara-391 760. (Gujarat)

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2. Terms, Definition and Synonyms:

Evidence based practice (EBP) is the conscientious use of current best evidence in making decisions about patient care (Sackett, Straus, Richardson, Rosenberg, & Haynes, 2000).

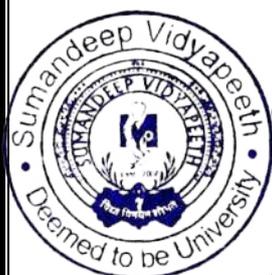
Evidence based health care (EBHC) takes place when decisions that affect the care of patients are taken with due weight accorded to all valid, relevant information. (Dr Nicholas Hicks 1997)

3. Purpose:

Sumandeep Vidyapeeth envisages itself as a vibrant and reflective institution providing Health - care, Education Services and Research of the highest recognized standard and best practices in all its perspective with vision to develop a way of thinking, a philosophy, a paradigm of the practice of medicine, dentistry, physiotherapy, nursing care, pharmacy and even health care management for the new millennium.

Hence, Sumandeep Vidyapeeth has adapted Evidence based education system with the following objectives:

- a. To prepare doctor/dentist/medical care provider of first contact, capable of functioning independently in both urban and rural environment with special attention to diagnosis prevention and treatment planning of the diseases/health related problems and prevention of same by being abreast to scientifically proven empirical evidence.
- b. Provide education that allows hands-on-experience both in hospital as well as in community setting with systematic evidence-based approach, educational experience that emphasizes health rather than only disease with outcome-based education as a goal.
- c. Inculcate the technique of reasoning, ability to understand the evidence, the nature and hierarchy of the evidence, critically choose the best evidence and apply it in clinical practice.
- d. To facilitate a learning experience that will provide the skills to develop, implement and disseminate an evidence-based approach for effective health care practice.
- e. To provide the doctor/dentist/health care provider who will believe in the value of life-long learning and value the evidence in making clinical



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decisions over opinion. EBES can lead to better skill and knowledge which ultimately will benefit society.

4. Scope:

- a. Sumandeep Vidyapeeth through EBES aims to inculcate the habit of Evidence based practice to the budding health professionals from this university.
- b. To make all the teachers and students well versed with critical steps of EBP i.e, Ask, Acquire, Appraise, Apply and Assess.
- c. To inculcate an environment of evidence-based practices in the university to develop the critical thinking, research and lifelong learning
- d. To make an impact on global health outcomes by facilitating the faculties and students in synthesis of evidences through primary and secondary research.

5. Policy statement: The EBES at Sumandeep Vidyapeeth functions through the following mechanisms:

a. Constitution of University Core Committee:

The EBES core committee will be functioning under Honourable Vice Chancellor of the Institution.

The Director/Chairperson EBES will be appointed by Institution.

Two to four members (executive members and member coordinators) from each Constituent Institute will be nominated by the respective Head of the Institutes.

b. The Institution Committee:

Heads of the Institute shall form a committee at institute level for teaching the evidence-based subjects to undergraduates and to facilitate the evidence-based activities of both undergraduates and post graduates.

Institutionalization of EBES

The evidence-based education system functions at various levels wherein the Central Institutional Committee overlooks the overall scenario of EBES in the Institution, the constituent college of the Institution are engaged in various



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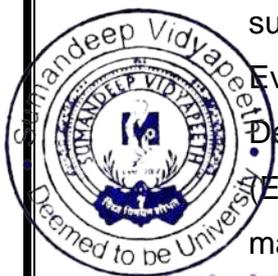
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evidence related activities at the undergraduate and post graduate level to install the principles of evidence-based practice in their respective professions. As Department of Management, Sumandeep Vidyapeeth is offering only postgraduate program in Master of Business Administration (MBA) in healthcare, EBES activities in their college is reflected as only PG activity.

The EBES related activities are as follows:

At the Undergraduate level

- **Evidence based Theory lectures:** This practice ensures that the theoretical knowledge imparted to the UG students is supported with the current best available evidence. This, in turn, enables the application of the theoretical concepts practically and their impact in the practical area. Each theory lecture will have at least one slide highlighting some important aspect of evidence in PICO format relating to the subject matter.
- **Evidence based Practical/clinical exercise:** This gives the UG students the hands-on experience of how to implement evidences in their clinical decision making.
- **Small group discussion:** Exchange of ideas supported with evidence helps in developing a logical bent of mind which eventually leads to high quality of decision making
- **Peer teaching:** Individualized learning through this mode promotes active learning, one of the key components for following of evidence-based education system
- **Teaching Evidence Based Subject:** In addition to the prescribed subjects by statutory councils, Sumandeep Vidyapeeth had introduced Evidence based subjects in each Institution namely EBD (Evidence Based Dentistry), EBM (Evidence Based Medicine), EB Physiotherapy, EBN (Evidence Based Nursing), EB Pharmacy to the Undergraduate students. To maintain the uniformity, the teaching in each institution will be in a module format. Each year of undergraduate teaching will have one module.



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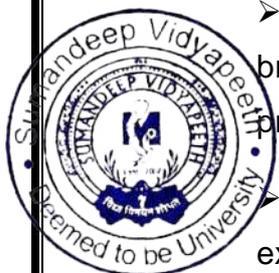
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- **Evidence based UG Seminars:** The Presenting a theoretical concept integrated with the best available evidence enabling the students to understand the theoretical and practical aspects of the topic allotted. This helps them to have an understanding of the gaps that may exist in theoretical concepts and its practical application.
- Integrating the principles of evidence-based practices to the respective areas from the first year itself ensuring the culture of critical thinking, research and lifelong learning from the beginning itself.

At the Post Graduate Level

- **Evidence Based Seminar:** Presenting a theoretical concept integrated with the best available evidence enabling the students to understand the theoretical and practical aspects of the topic allotted. This helps them to have an understanding of the gaps that may exist in theoretical concepts and its practical application.
- **Evidence Based Journal Clubs:** The group of post graduate students meets regularly to discuss the academic literature available in their respective areas, to facilitate the discussion on the adequacy of the research, appropriateness of the results and the generalizability of the research studied.
- **Case presentation:** The peculiar and important clinical cases are presented and discussed periodically. These case presentations are also evidence enriched wherein the treatment and other modalities are discussed considering the various available evidence as applicable to that particular case
- **Inter-Disciplinary presentation:** An evidence practice exercise which brings together the post graduates of two or more fields to discuss the various procedures or modalities in the common areas between them

Role Modelling and bedside evidence-based case discussion: The exercise is designed to strengthen the knowledge, skills and values of evidence-based learning among the post graduates. In Pre/Para/ clinical department, every post graduate student will be exposed to at least one encounter of role modelling in which a consultant after raising a relevant query



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will search for its evidence and demonstrate evidence searching methodologies, its importance and utility to the student.

- **Evidence based local protocols:** The protocols are created for the local community after considering the best available evidences in the respective fields that ensure best healthcare procedure carried out for the betterment of the patients. These protocols once developed are put to implementation and revised periodically.
- **Pedagogy:** Allowing the post graduates to train themselves to be the future academicians by integrating the evidence-based teaching in their lectures
- **Treatment Protocol:** Disease specific Protocol preparation is promoted as part of Post Graduate (PG) education which makes enable to monitor local healthcare needs and depending upon the same, specific protocol are being prepared for the community. Protocols are prepared by post graduate students after training them for principles of evidence-based healthcare.
- **Others:** Apart from the above activities, the respective institutes are given the autonomy to introduce and implement other evidence-based practices. It can be innovative teaching methodologies or evidence generating research.

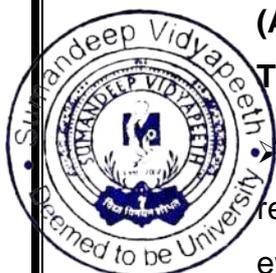
For the faculties of Sumandeep Vidyapeeth:

EBES training workshop for newly appointed teaching staff: Core Committee shall be conducting EBES training workshop for newly appointed teaching staff of all the constituent institutes of Sumandeep Vidyapeeth.

(Annexure 2: University Notifications)

The University shall promote the faculties to conduct

Research in Evidence based education system or subject: The research in the respective evidence-based areas or education system helps in evaluating the current practices, revising them, creating the new best practices and benchmarking them.



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➤ **Publication in Evidence based education system or subject:** The faculty is encouraged to publish their research work on Evidence based education system or subject which will help in turn generation and awareness of the new evidences.

➤ **Academic events related to Evidence based education system or subject:** The events are organized with a vision to spread the principles of Evidence based education system or subject across the globe.

Monitoring and Evaluation:

➤ **Evidence Based Activities in each Institution:** EBES coordinators from each constituent institute shall monitor the Evidence based UG and PG activities and the summary of activities shall be sent to the Institutional cell once in six months.

➤ **University Examinations for Evidence based subjects:** For evaluating the undergraduate students Sumandeep Vidyapeeth has introduced separate examination in Evidence based subjects.

➤ **Feedback System and Analysis:**

○ The Institutional feedback committee shall be collecting the feedback from UG and PG students on EBES as a part of their comprehensive feedback system.

○ **Faculties:** The faculties involved in the teaching of evidence-based subjects shall provide their feedback to Institution coordinators. The feedback shall be collected from the old committee faculties whenever the new committee is formed at the constituent institute level.

○ **Analysis:** Comprehensive Feedback Committee will be sending the suggestions received by the students wrt EBES (if any) at the end of the academic year. Faculty feedback analysis will be done at the EBES cell and the suggestions regarding curriculum, EBES activities, teaching methodologies etc will be considered and the changes to be made will be sent to the academic council for approval.



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➤ **Testing of Treatment Protocol:** Research on local population shall be performed to test the treatment protocols prepared by each Constituent

Institute. Based on the results, the protocols shall be modified as need and availability of recent evidence.

6. Responsibilities:

Responsibilities of Core Committee:

- Institutional EBES Core Committee shall be responsible for ensuring the functioning of the evidence-based practices in the Institution through the representative institutional coordinators.
 - Director, EBES will be responsible for the overall evidence-based activities in the Institution. He / She will ensure that the institute coordinators are able to smoothly practice the evidence-based education system for the undergraduates and postgraduates in their respective institutes.
 - Core committee members shall conduct workshops to newly joined teaching faculty to orient about EBES to them.
 - Core committee members shall orient the post graduates of all institutions towards evidence-based practices through EBES PG orientation program/ Workshop.
 - Core Committee members shall encourage the faculties to promote and practice the evidence-based education system and also encourage them to undertake various research projects on the evidence-based education system.
 - EBES core committee shall also conduct training sessions focusing on enhancing the advanced skills required to practice evidence-based system, among the faculty members in the university and outside the university.
 - The committee members shall understand the perceived barriers or problems faced by the faculty in implementation of EBES and provide a conducive environment to remove these barriers.
- The core committee shall organize various Conferences/ Symposia/ Continuing Education program/workshops regularly on EBES theme.
- The committee members shall work towards expanding the horizons of evidence-based practice throughout the nation and also internationally by arranging various outreach programs and through memorandum of understanding (MoU) with various Universities/ Institutes/ Collaborations.



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- The committee shall promote the uniform development and implementation of department protocols for the local community to enhance and ensure the quality of treatment offered to the patients.
- The Core committee members shall monitor and review the implementation half yearly. The reviewed data shall be presented at the academic council meeting.

Responsibilities of Institute coordinators (Member Co-ordinators):

- Institute committee shall be responsible to ensure the practice of EBES in their respective institutes.
- To create a teaching learning environment on the principles of evidence-based education system.
- To conduct orientation lecture on EBES for first year undergraduate students during their institutional orientation program.
- To ensure the smooth implementation of teaching of EBD (Evidence Based Dentistry)/EBM (Evidence Based Medicine)/EB Physiotherapy /EBN (Evidence Based Nursing)/ EB Pharmacy as a subject in UG curriculum.
- Preparation of EBD (Evidence Based Dentistry)/EBM (Evidence Based Medicine)/EB Physiotherapy /EBN (Evidence Based Nursing)/ EB Pharmacy modules for effective evidence based undergraduate teaching. The curriculum shall be approved by respective institution board of studies and academic council of the university. The copy academic council notification along with the changed curriculum shall be sent to the EBES cell for documentation.
- Encourage the faculty and post graduates in the following the evidence-based practices.
- The Institute committee shall be responsible to coordinate and correspond to the Institutional core committee as per the organogram.
- Member Coordinators shall be responsible for maintaining and verifying all relevant data, records and documentation related to undergraduate, post graduate and faculty EBES related activities.
- Member Coordinators shall submit the verified data and documents related to institute EBES activity to IQAC and FDC as and when asked.



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- Member Coordinators shall submit the executive summary report of institute EBES activity to EBES Director half yearly (Academic year).

7. Related Legislation and References:

- EBES training workshop for newly appointed teaching staff: Board of Management letter with reference: SVDU/BoM-R/May/1091/2015 dated 24/07/2015
- Uniform Examination Pattern Notification: SVDU/EXAM/4958/06/2017 dated 23/06/2017
- Evidence Based subject teaching in Module form: SVDU/R/2019/5207 dated 2/1/2019, Approved in BoM meeting held on 30/11/2018

8. Approval and Review Details: Nil

9. Appendix: See Enclosures

10. Policy Administrator: Director/Chairperson, EBES, Sumandeep Vidyapeeth.

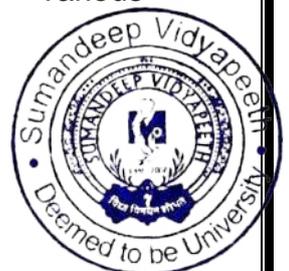
11. Implementation Procedure:

- The implementation of EBES in the Sumandeep Vidyapeeth has been in phase wise manner.
- Along with continuation of the existing EBES activities for faculties and students, the current phase of implementation shall also include
 - Updating the curriculum of evidence-based subjects.
 - Working towards MoU with various Universities/Institutes/Collaborations.

12. Abbreviations:

EBES- Evidence Based Education System
EBP – Evidence Based Practice
EBHC -Evidence based health care
EBM – Evidence Based Medicine

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EBN – Evidence Based Nursing
EBD- Evidence Based Dentistry
EBP –Evidence Based Pharmacy
EBPh- Evidence Based Physiotherapy
EviGenCHIP – Evidence Generating Clinical Health Initiative Program.
MBA - Master of Business Administration
PG- Post Graduate
UG – Under Graduate
MoU - Memorandum of Understanding



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