

Ministry/ Organisation Name/Students Innovation:

AICTE, MIC Student Innovation

PS Code : SIH1467

Problem Statement Title : Student Innovation

Team Name : OJAS

Team Leader Name : Prem Mungle

College Code : C-58531

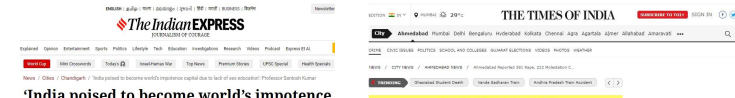
Institute Name : Bajaj Institute of Technology, Wardha

Theme Name : Smart Education

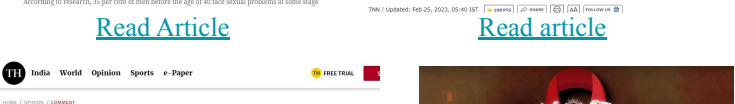


Problem Description: The absence of comprehensive sex education can lead to a range of issues. Inadequate sex education can contribute to high teenage pregnancy rate, sexually transmitted infections (STIs), and a lack of understanding about reproductive health.

Problem without sex education:



Read Article



Read article

Proposed Solution:

1. A website will be developed name as **LearnsX India** is a sex education website that aims to provide comprehensive and **age-appropriate** sex education to all learners in India.
2. The website will have two categories:
 - **Primary:** This category is for learners aged 12 to 18 years old. It will cover topics such as puberty, sexual health, relationships, sexual anatomy, contraception, sexually transmitted infections and consent.
 - **Secondary:** This category is for learners aged 18 years and older. It will cover more advanced topics.
3. Implement Sex Education in **schools** and provide age-appropriate content.
4. A team of professionals like doctors and sexologists will take live lectures to **educate school Teachers and Learners** who will be ready to teach Sex Ed subjects to students in schools and can also take awareness sessions for the public and both will get certificates.
5. **Grievance portal** this portal will allow learners and general public to report any instances of harassment, sexual abuse, rape, etc(**Anonymously**) and police can take necessary actions against it.
6. A **feedback** mechanism for all learners across India to give suggestions, feedback, and review mechanism for professionals like sexologists, doctors, etc to give review, suggestions and summarize using APIs.
7. A chatbot one stop solution for learners and teachers to solve queries at one place without misleading and traversing multiple blogs, websites etc.

Features:

01

Animated videos: These videos will use humor and storytelling to make sex education more engaging and relatable for learners.

02

Discussion forums: These forums will provide a space for learners to ask questions and discuss the topics covered on the website with professionals.

03

Grievance portal: This portal will allow learners to report any instances of harassment, sexual abuse, rape etc(Anonymously)

04

A feedback mechanism for all learners across India to give suggestions and feedback, and a review mechanism for professionals like sexologists, doctors, etc to give review and suggestions.

<u>Objectives</u>		<u>Purpose of sex education</u>
<ul style="list-style-type: none"> ● Reduce early marriage & teenage pregnancy. ● Reduce sexual abuse. ● Reduce Gender-based violence. ● Gender inequality. ● Reduce High rates of sexually transmitted infections (STIs). ● Get it available in Native Languages as per India, etc. 		<p>The real purpose behind family life and sex education is the transfiguration of a male child into manhood and of a female child into womanhood. It aims to teach the roles and responsibilities of males and females toward each other in all relationships in familial and social contexts, thus endowing the knowledge necessary to maintain sexual health as they navigate through the vulnerabilities of life. During adolescence (10–19 years of age), sex education is a crucial preventative tool, as it is the opportune time when young people experience developmental changes in their physiology and behaviour as they enter adulthood.</p>
<u>Arguments/misconception against sex education</u>		<u>Facts why we need sex education</u>
Arguments (misconception)	Explanation (truth)	<ol style="list-style-type: none"> 1. The birth rate among women aged 15-19 has decreased to 43 per 1,000, down from 51 as reported in NFHS-4. 2. There were 31,677 reported cases of rape across the country, equating to approximately one case every 15 minutes. This alarming rate is increasing by 20% each year according to the National Crime Report. 3. India holds the third-highest number of HIV-infected individuals globally. The World Health Organization reports that about 6% of the Indian population is affected by sexually transmitted diseases. 4. According to the Indian Council of Medical Research, 43% of men in India experience sexual problems. Shockingly, approximately 28% of them do not consult to doctors.
Sex education is against our culture & beliefs. It may corrupt the youth and offends ‘Cultural/Moral values	Even sati & child marriage was also present in our culture. Khajuraho temples, kamasutra etc. Things keep changing/evolving with the time.	
If students are given sex education, then they may start experimentation. It may lead to promiscuity, experimentation and irresponsible sexual behaviour	Generally, people experiment to explore the things they don’t know. If we give sex education to students, then they will become more cautious and may not experiment. We need to trust them and let them make decisions for themselves. Research have shown that the benefits outweighs the risks of sex education. If this education is hidden then exploring through wrong source is more dangerous.	
Sex education can’t be discussed at school	Sex education is purely a science, this is also imparting knowledge to the students. There is nothing to be ashamed or embarrassed about it.	

Modules of Web Portal

Primary & Secondary:

The age appropriate information for 12 to 18 & 18+ from professionals. Help to become Manhood and womanhood. Teach the roles and responsibilities of males and females toward each other.

Educate School Teacher & Learners

A recorded and live content get available for school teachers from professionals like doctors, sexologists etc. & Educate all age group learners by providing age appropriate information in two different category primary and secondary.

Grievance portal & Police

A Grievance portal for all to report sexual abuse, harrasment, rape etc.and Police will slove reported cases.

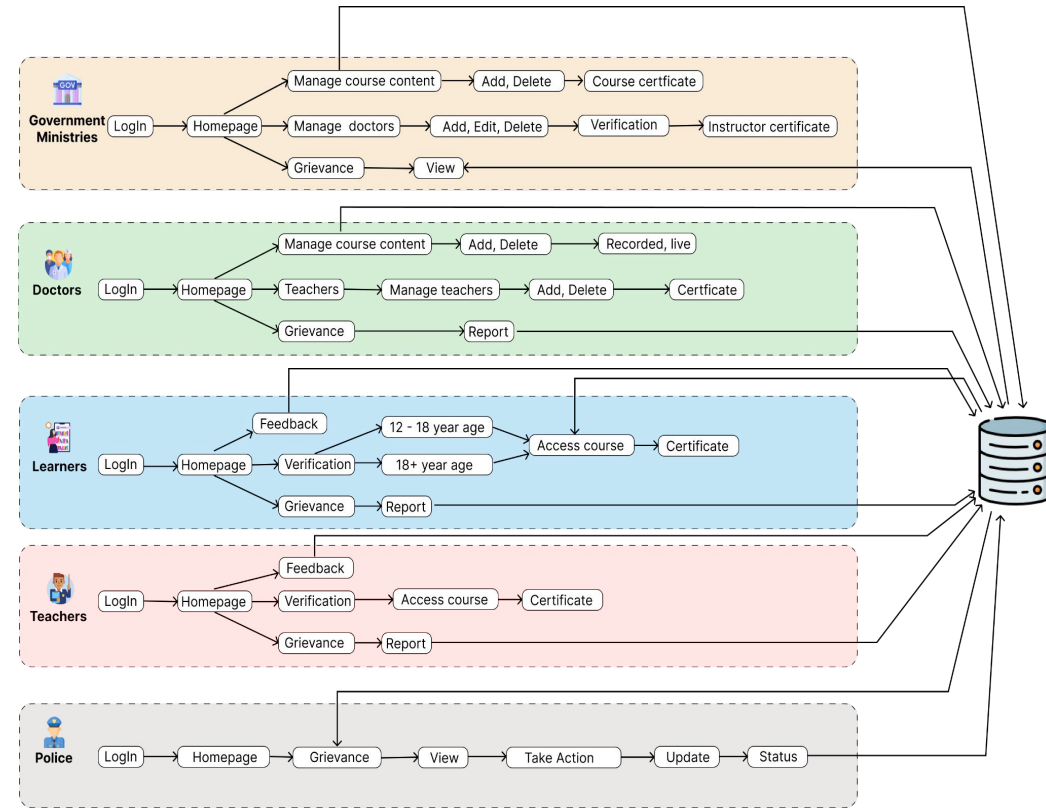
Feedback

Feedback mechanism for learners and teacher to give feedback, suggestions.

Certificate

Certificate for both Learners and Teachers

Process Flow



Ministries:

- Ministry for Human Resource Development
- Ministry of Family Health and Welfare
- Ministry of Social Justice and Empowerment.
- Ministry of Rural Development and Employment
- Department of Youth Affairs and Sports
- Women and Child Development and Education

Technology Stack:



Dependency



Internet Connectivity

API Used:

MonkeyLearn - Text Classifiers

<https://platform.openai.com/docs/guides/gpt/completions-api>

Stakeholders:



Ministry



Police



Doctors as Instructor

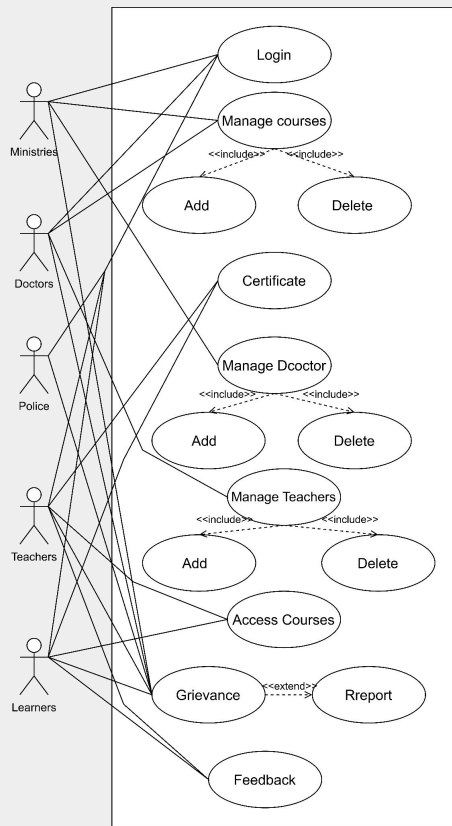


Learners - student and all people

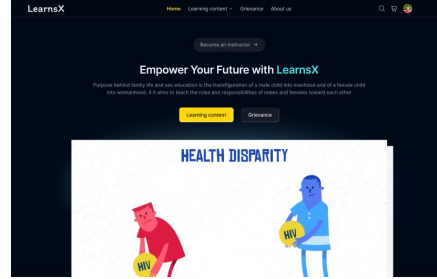


Teacher as Learner

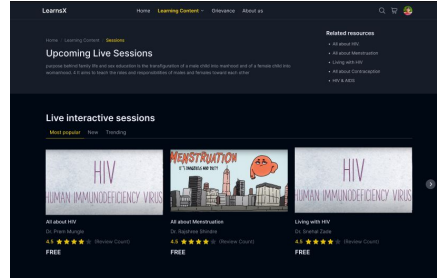
Use Case



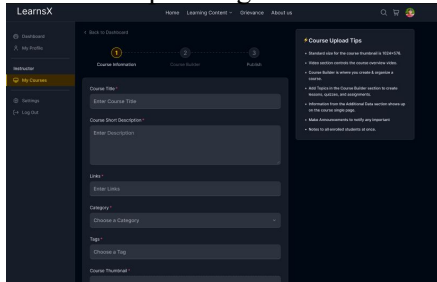
Snapshots



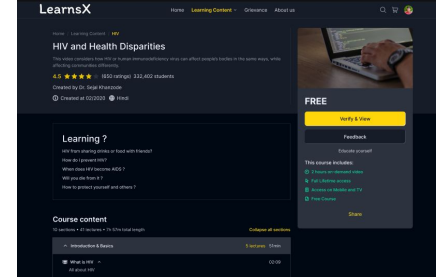
Home



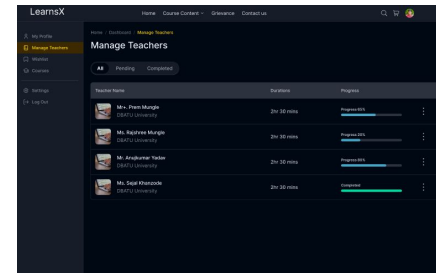
Upcoming Courses



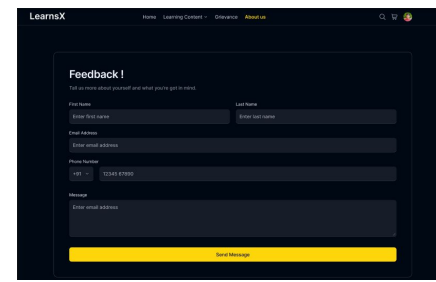
Upload course content



Course page



Teacher Progress



Feedback

Team Details

Team Leader Name: Prem Mungle
Branch: B.Tech
Stream: Computer Engineering
Year: IV

Team Member 1 Name: Anujkumar Yadav
Branch: B.Tech
Stream: Computer Engineering
Year: IV

Team Member 2 Name: Sejal Khazode
Branch: B.Tech
Stream: Computer Engineering
Year: IV

Team Member 3 Name: Vaishanvi Kolhe
Branch: B.Tech
Stream: Computer Engineering
Year: III

Team Member 4 Name: Akanksha Rai
Branch: B.Tech
Stream: Computer Engineering
Year: III

Team Member 5 Name: Gayatri Jadhav
Branch: B.Tech
Stream: Computer Engineering
Year: II

Team Mentor 1 Name: Mr. Aitesham Kazi
Category: Academic
Expertise: Big Data
Domain Experience (in years): 7 Years

Team Mentor 2 Name: Mr. Amol Jumde
Category: Academic
Expertise: Machine Learning
Domain Experience (in years): 4 Years

Conclusion: We need to implement sex education from early age onwards as soon as possible.