Swarrnim Startup and Innovation University

At- Bhoyan Rathod, Gandhinagar

Indian Knowledge System - IKS

All Institutes Activities Index

Sr. No.	Program	Academic Year	Total Activities	Details
1	AAMC & RI	2024-25	7	Orientation on IKS - 3
				Language Revitalization - 1
				Cultural Engagement - 3
		2023-24	4	Cultural Engagement - 4
		2022-23	3	Cultural Engagement - 3
		2021-22	1	Cultural Engagement - 1
2	SSCIT	2024-25	2	Expert Lectures - 2
		2023-24	2	Site Visit - 2
3	SMCLA	2024-25	2	Site Visit - 2
		2023-24	2	IKS Curriculum
				Expert Lecture - 1
4	SIT	2024-25	2	Faculty Contribution - 1
				Site Visit - 1
		2023-24	2	IKS Curriculum
				Site Visit - 1

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At- Bhoyan Rathod, Gandhinagar

Indian Knowledge System

Index

Sr. No.	Year	Name of the Event	No. of the Events
1	2024-2025	Orientation Programme on IKS	3
2	2024-2025	Language Revitalization	1
3	2024-2025	Cultural Engagement Programme	3
4	2023-2024	Cultural Engagement Programme	4
5	2022-2023	Cultural Engagement Programme	3
6	2021-2022	Cultural Engagement Programme	1

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Indian Knowledge System Activities

Summary

Sr. No.	Year	Context of the Event	Name of the Event	Date of the Event
1	2024-2025	Orientation Programme	Ancient techniques of Memorization in IKS	23/04/2025
2	2024-2025	Orientation Programme	Importance of IKS	09/04/2025
3	2024-2025	Orientation Programme in Indo-George Cultural Exchange	Nadi Parikshan	20/03/2025
4	2024-2025	Cultural Engagement Programme	Shishyopnayan	28/11/2024
5	2024-2025	Language Revitalization	Sanskrit Day	9/8/2024
6	2024-2025	Cultural Engagement Programme	Charak Jayanti	9/8/2024
7	2024-2025	Cultural Engagement Programme	Yoga Day	21/06/2024
8	2023-2024	Cultural Engagement Programme	Sanskrit Day	12/09/2023

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9	2023-2024	Cultural Engagement Programme	Charak Jayanti	11/09/2023
10	2023-2024	Cultural Engagement Programme	Guru Purnima	03/07/2023
11	2023-2024	Cultural Engagement Programme	Yoga Day	21/06/2023
12	2022-2023	Cultural Engagement Programme	Shishyopnayan	28/02/2023
13	2022-2023	Cultural Engagement Programme	Bhuli-Bisri Traditional Reciepes	18/10/2022
14	2022-2023	Cultural Engagement Programme	Shishyopnayan	21/7/2022
15	2021-2022	Cultural Engagement Programme	Suryanamaskar	13/1/2022

1st Year Professional B.A.M.S - Teaching Scheme – Total 17 Credits				
Subject Code	**Details**	**Theory Hrs**	**Practical Hrs**	**Total Hrs**
AyUG SN & AI	Details of the syllabus attached	90	180	270
AyUG-PV	2.2 Etymological derivation of the word "Darshana". Classification and general introduction to 9 Schools of Indian Philosophy with an emphasis on: Nyaya, Vaisheshika, Sankhya ,Yoga, Meemamsa and Vedanta darshana.	2	3	5
	2.5 Relevance of Study of Darshana and Padartha Vignana in Ayurveda	2	3	5
	3.2 Panchabhuta: Various theories regarding the creation (theories of Taittiriyopanishad, Nyaya-Vaisheshika, Sankhya-Yoga, Sankaracharya,	1	2	3
	3.3 Kala: Etymological derivation, Lakshana , division / units and significance.	1	2	3
	7.3. Different opinions regarding the manifestation of Karya from Kaarana: Satkaryavada, Parinamavada, Vivartavada, Asatkaryavada, Arambhavada, Paramanuvada, Kshanabhanguravada, Pilupaka, Pitharpaka, Anekantavada, Swabhavavada,	3	3	6
AyUG-SA1	iii. Tantrayukti, Tantraguna and Tantradosha	2	1	3
AyUG-KS	Prakriti: Deha- Prakriti: Vyutpatti, Nirukti, various definitions and synonyms for the term "Prakriti". Intra-uterine and extra uterine factors influencing Deha-Prakriti, classification and characteristic features of each kind of Deha-Prakriti. Manasa-Prakriti: Introduction and types of Manasa- Prakriti	7	3	10
Transitional Curriculum	Sanskrit Language orientation & Vadatu Samskritam (Spoken Sanskrit)	10	10	20
2nd Year Professional B.A.M.S - Teaching Scheme				
AyUG-DG	21. Vrikshayurveda and Ethno-medicine	1	1	2
AyUG-SW	Yoga Etymology/derivation of the word 'Yoga'. Definitions of Yoga according to PatanjaliYogasutras, Bhagavad Gita and Charaka Samhita. Difference between Rajayoga, Hathayoga and Karmayoga.Yogabhyasa Pratibhandhakas and Yoga Siddhikarabhavas. Mitahara and Pathya-apathyas during Yogabhyasa .	22	6	28

	Concept of Panchakosha theory. Description of Ashtangas of Yoga - Yama , Niyama , Asana .Pranayama , Pratyahara, Dharana, Dhyana and Samadhi. Suryanamaskara . Description of Shatkarmas - Dhauti, Basti, Neti, Trataka, Nauli, and Kapalabhati.Bandha procedure and benefits of Mulabandha, Jalandharabandha and Uddiyanabandha. Mudras - Shanmukhi mudra and Jnana mudra. Shatchakras and their importance in Yoga practice. Description of Ida-Pingala-Sushumna nadis and their importance in yoga practice.Concept of Moksha according to Charaka , Muktatmalakshana and Moksha upayas.Importance of International Day of Yoga (IDY). Adverse effects of improper Yoga practices			
AyUG-SA2	Siddhanta vivarana 1. Shastra pareeksha 2. Means of learning shastra 3. Adhyayana and adhyapana vidhi 4. Sambhasaha vidhi-Types 5. Three types of parishat 6. Vadamarga padani 7. Methodology of Vada and its benefits	4	11	15
	Total	**152**	**224**	**376**

Aarihant Ayurvedic Medical College and Research Institute

At- Bhoyan Rathod, Gandhinagar

"Orientation Program on Importance of IKS"

Institute and Department	Aarihant Ayurvedic Medical College and Research Institute, At Bhoyan Rathod, Gandhinagar
Activity /Event Name	Orientation Program on Importance of IKS
MONTH	April 2025
Date of the event	09/04/2025
Duration	1 hour

Objective of the event:

- To introduce students and faculties to the rich and diverse heritage of Indian Traditional Knowledge Systems (TKS).
- To highlight the potential of IKS in providing sustainable solutions to contemporary challenges in various fields like medicine, agriculture, and environmental conservation.
- To discuss the importance of preserving cultural heritage and promoting holistic development through IKS.

Flow of Event:

- Welcome address by the Faculty Coordinator.
- Introduction to Indian Knowledge Systems: Overview of its evolution and broad scope.
- Presentation on Key Areas and Importance of IKS, including:
    - Medicine and Healthcare (Ayurveda, Siddha, Unani)
    - Agriculture and Sustainable Practices
    - Architecture and Engineering (Vastu Shastra)

    - Environmental Conservation
    - Cultural Heritage and Identity
- Discussion on Challenges faced by IKS (Erosion of Knowledge, Lack of Documentation, Intellectual Property Issues, Integration with Modern Systems).
- Presentation on the Way Forward: Documentation, Protection of Intellectual Property, Integration with Modern Systems, Empowerment of Local Communities.
- Interactive Q&A session with students.
- Vote of thanks.

Significance/Outcome:

- Students gained a comprehensive understanding of the vastness and depth of Indian Traditional Knowledge Systems.
- The event successfully demonstrated the practical relevance of IKS in addressing modern-day issues, inspiring students to explore these traditional solutions.
- It fostered an appreciation for India's cultural heritage and the need for its preservation and integration into contemporary society.
- Participants were encouraged to consider how traditional knowledge can contribute to sustainable development and holistic well-being.

Quote / Comment

- "Indian Traditional Knowledge Systems are not relics of the past, but living reservoirs of wisdom that hold keys to a sustainable future." - Dr. Jay Padh
- "Integrating IKS into our education system is crucial for nurturing well-rounded individuals who are rooted in their heritage yet globally competent." Vd. Rakesh Salve

Conclusion

- The program effectively showcased the immense value of Indian Traditional Knowledge Systems, emphasizing their potential to contribute significantly to various aspects of life.
- It successfully raised awareness among students about the challenges facing IKS and the crucial measures needed for its preservation and promotion.
- The event served as a vital platform for encouraging students to recognize, explore, and potentially integrate traditional wisdom into their academic and personal pursuits, benefiting present and future generations.

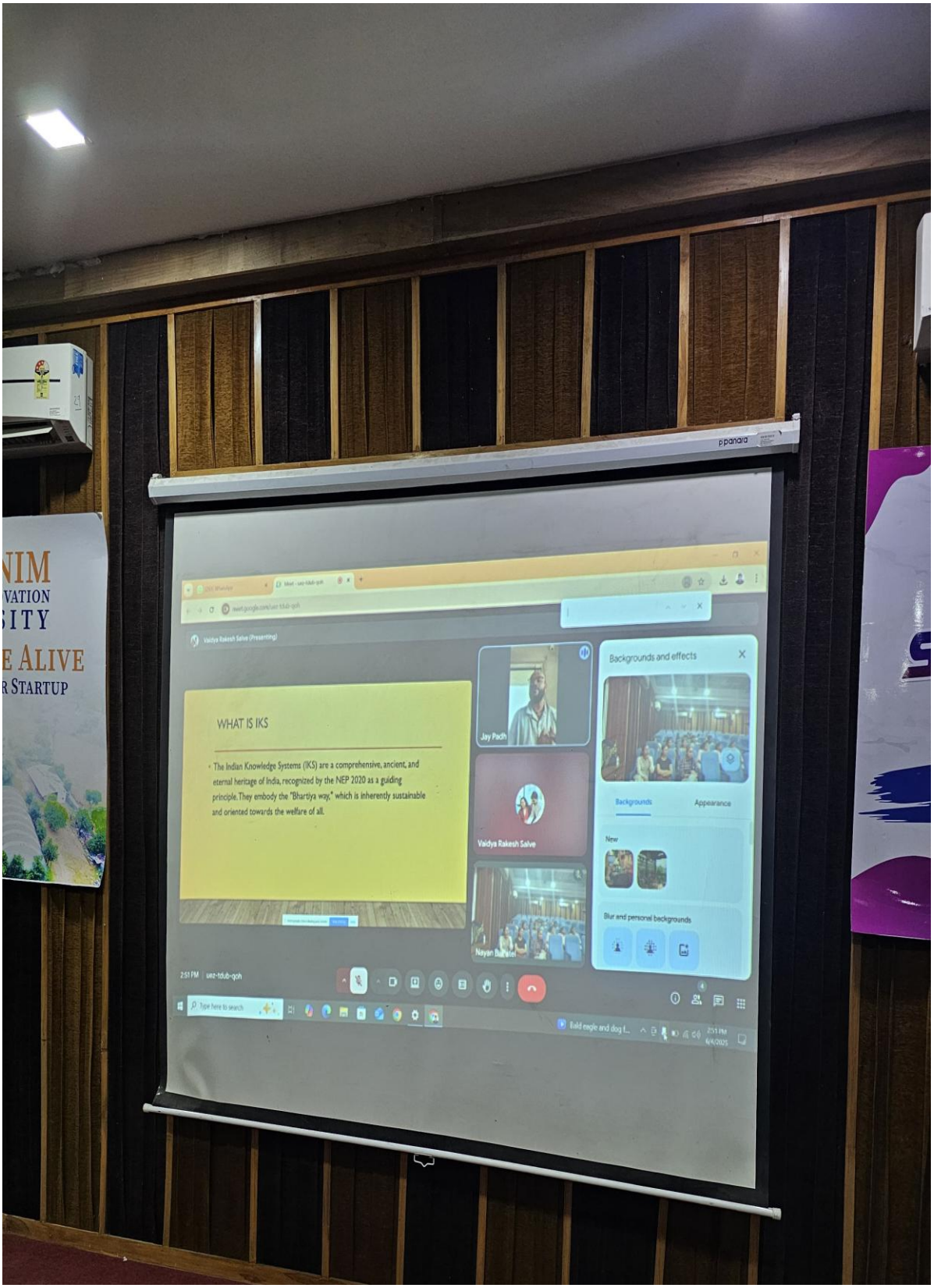
WHAT IS IKS
The Indian Knowledge Systems (IKS) are a comprehensive, ancient, and eternal heritage of India, recognized by the NEP 2020 as a guiding principle. They embody the "Bhartiya way," which is inherently sustainable and oriented towards the welfare of all.
Vaidya Rakesh Salve (Presenting)
Jay Padh
Vaidya Rakesh Salve
Backgrounds and effects
Backgrounds
Appearance
New
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Fig: Webinar on Importance of IKS on 09/04/2025

Aarihant Ayurvedic Medical College and Research Institute

At- Bhoyan Rathod, Gandhinagar

"Orientation Program on Importance of IKS"

Institute and Department	Aarihant Ayurvedic Medical College and Research Institute, At Bhoyan Rathod, Gandhinagar
Activity /Event Name	Orientation Program on Importance of IKS
MONTH	April 2025
Date of the event	23/04/2025
Duration	1 hour

Objective of the event:

- To introduce students to ancient Indian memorization methodologies
- To explore practical applications in today's teaching-learning process
- To promote appreciation of India's intellectual heritage

Flow of Event:

- Welcome address and introduction to the importance of India's rich oral tradition.
- Exploration of the foundations of ancient Indian memorization, including Guru-Shishya Parampara and its role in knowledge transmission.
- Detailed discussion of major techniques used, such as Vedic Recitation Systems (Padapāṭha, Kramapāṭha, Jatapāṭha, Ghanapāṭha), Śruti and Smṛti, Chandas (Metered Verse), Visualization and Symbolism (Yogic Techniques), and Bhāṣya and Vyākhyāna (Commentarial Methods).
- Presentation on the cultural and cognitive value of these techniques, emphasizing concentration, auditory memory, ethical memory, and the use of rasa.
- Discussion on the relevance of these ancient methods in modern education, including their potential to improve attention span and mental clarity.

- Interactive Q&A session.
- Vote of thanks.

Significance/Outcome:

- Students gained valuable insights into time-tested memorization practices from Vedic, Yogic, and Classical Indian knowledge traditions.
- The program fostered an understanding of how ancient cognitive training can be applied to enhance contemporary teaching and learning.
- It promoted a deeper appreciation for India's intellectual heritage and its sophisticated systems for knowledge preservation.
- The session encouraged the adoption of methods that emphasize meditative learning over rote memorization, leading to improved attention and mental clarity.

Quote / Comment

- "Ancient Indian memorization techniques are a treasure trove of cognitive science, offering profound insights for modern pedagogy." – Vd. Rakesh Salve
- "Reintegrating these systems into contemporary teaching can bring about a renaissance in holistic, memory-based education grounded in Indian values." – Dr. Jay Padh

Conclusion

- The event successfully introduced students to the rich legacy of ancient Indian memorization techniques, highlighting their pedagogical brilliance.
- It underscored the potential for these traditional methods to enrich modern education by promoting deeper internalization of knowledge and enhanced cognitive abilities.
- The program served as a significant step towards recognizing and integrating India's intellectual heritage into current academic practices.


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WHERE IDEAS COME ALIVE
INDIA'S FIRST UNIVERSITY FOR STARTUP
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ENTREPRENEURS
TURN IDEAS INTO REALITY

Fig: Webinar arranged on Memorization technique and Indian Education System on IKS on 23/04/2025

Aarihant Ayurvedic Medical College and Research Institute

At- Bhoyan Rathod, Gandhinagar

"Orientation Program on Importance of IKS"

Institute and Department	Aarihant Ayurvedic Medical College and Research Institute, At Bhoyan Rathod, Gandhinagar
Activity /Event Name	Orientation Program on Importance of IKS
MONTH	March 2025
Date of the event	20/03/2025
Duration	1 hour

Objective of the event:

- To facilitate a cultural exchange between Indian and Georgian participants through the exploration of Nadi Parikshan.
- To provide a deeper understanding of this traditional Indian diagnostic method as a crucial component of the Indian Knowledge System (IKS).
- To highlight the holistic approach of Indian traditional medicine, which emphasizes the balance of mind, body, and spirit.
- To promote cross-cultural appreciation and collaboration in the field of traditional knowledge.

Flow of Event:

- Welcome address and introduction of the Georgian delegation and esteemed speakers.
- Keynote lecture on "Nadi Parikshan: An Ancient Indian Diagnostic Art," explaining its principles and applications within Ayurveda.
- Live demonstration or practical insights into the technique of pulse diagnosis.
- Discussion on the broader context of the Indian Knowledge System, specifically how traditional medical systems like Ayurveda offer a vast repository of knowledge for prevention and treatment of diseases.

- Interactive session for cultural exchange, allowing Georgian delegates to share their perspectives and ask questions.
- Concluding remarks emphasizing the importance of preserving and integrating traditional knowledge systems globally.
- Vote of thanks.

Significance/Outcome:

- The program successfully served as a bridge for cultural exchange, fostering mutual understanding and respect between Indian and Georgian communities.
- Participants gained valuable insights into Nadi Parikshan, enriching their understanding of non-invasive diagnostic methods rooted in ancient Indian wisdom.
- The event underscored the global relevance of the Indian Knowledge System in offering sustainable solutions for health and well-being.
- It opened avenues for potential future collaborations and research in traditional medicine and cultural studies.

Quote / Comment

- "Nadi Parikshan is a testament to the profound understanding of the human body found in ancient Indian traditions, a knowledge system that transcends geographical boundaries." – Vd. Ankita Chavan
- "Such cultural exchange programs are vital in recognizing the universal value of diverse knowledge systems, including the rich heritage of India's traditional wisdom." – Mr. Jano Izoria

Conclusion

- The Nadi Parikshan lecture, as part of a cultural exchange with Georgian people, was a resounding success in enhancing the understanding of the Indian Knowledge System.
- It demonstrated the practical application and relevance of traditional Indian diagnostic techniques.
- The program reinforced the idea that India's traditional knowledge systems are a valuable heritage with the potential to contribute significantly to global health and cultural understanding.

Fig: Nadi Parikshan orientation session with Georgian visitors as Cultural Exchange Program for IKS

"Orientation Program of Ayurveda Students"

Institute and Department	Aarihant Ayurvedic Medical college & research institute, AT BHOYAN RATHOD ,Gandhinagar
Activity Name / Event Name	Orientation of ayurveda students
MONTH	November 2024
Date of the event	28/11/2024
Duration	10.00 am to 4.00 pm

Objective of the Event:

The objective of the event was to formally welcome the new batch of Ayurveda students and provide them with an introduction to the institution's values, traditions, and expectations. The event aimed to create a sense of belonging among the students, showcase the institution's culture, and set the tone for an enriching and productive academic journey.

Flow of the Event:

1. Welcome of Students:

The event commenced with the arrival of the new students, who were warmly welcomed by the faculty, senior students, and administrative staff. This initial reception set a positive and friendly tone, helping students feel at ease as they embarked on their educational journey.

2. Welcome of Guests:

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Following the welcome of students, distinguished guests, including faculty members from other departments were greeted and seated. Their presence underscored the importance of the event and reinforced the students' sense of community and support within the institution.

3. Yagya (Sacred Ritual):

A traditional Yagya was conducted as part of the orientation ceremony. The sacred ritual was performed by trained priests and included the chanting of mantras and offering of prayers. The Yagya symbolized the purification of the space and the invocation of blessings for the success, health, and well-being of the students. It created a serene and spiritual atmosphere that connected the students with the roots of Ayurveda and the cultural heritage of the institution.

4. Chief Guest Welcome and Speech:

The chief guest of the event, a renowned expert of the academic community, was introduced and welcomed with great respect. The chief guest delivered an inspiring speech that highlighted the significance of Ayurveda as a field of study and practice, emphasizing its relevance in modern healthcare and its potential for global impact. The speech also encouraged the students to approach their studies with dedication and a deep sense of curiosity, fostering both academic and personal growth.

5. Cultural Program:

The orientation was enriched by a cultural program showcasing the artistic talents of students and faculty. The program included traditional music, dance performances, and short skits that celebrated the ethos of Ayurveda and Indian culture. The cultural segment provided entertainment and fostered a sense of camaraderie among the students and faculty, making the event memorable and enjoyable.

Significance/Outcome:

The orientation event proved to be highly successful in achieving its objectives. It effectively welcomed new students into the academic community and provided them with an immersive experience that blended educational and cultural elements. The Yagya ritual infused a sense of spirituality and tradition, aligning with the values of Ayurveda and the institution's philosophy. The chief guest's speech served as a motivational address, setting a high standard for the students' academic journey and inspiring them to aspire for excellence. The cultural program added a vibrant and celebratory element, strengthening the bonds between the new students and the existing members of the institution.

Swarrnim Startup & Innovation University
Activity Report 2024

Institute / Department	**AARIHANT AYURVEDIC MEDICAL COLLEGE AND RESEARCH INSTITUTE / Samhita Siddhanta Sanskrit Department**
Activity / Event Name	SANSKRIT DAY CELEBRATION 2024
Date of the event	14th August , 2024
Duration	09:30 TO 04:30 PM
Location	Seminar Hall, Aarihant Homeopathic medical college & Research Institute, Gandhinagar.
Participant's Branch/Institutes	All Year BAMS Students / AARIHANT AYURVEDIC MEDICAL COLLEGE AND RESEARCH INSTITUTE
Total Number of Participants	200
Full Name of Mentor/Principal with designation	Dr. Navin Banarase , Principal of Aarihant Ayurvedic Medical College & Research Institute
Full Name of Speaker / Guest with designation	Vd. Rakesh Salve , Director of Ayurveda, M.D. Rasashastra , Aarihant Ayurvedic Medical College & Research Institute
Faculty Coordinator Details (Name, Designation, Contact Details)	-Dr. Santosh Gurav (Professor and HOD, Department of Samhita Siddhanta & Sanskrit) -Dr Sagar Ital (Associate Professor, Department of Samhita Siddhanta & Sanskrit) -Mrs. Nilesh Jani (Assistant Professor, Department of Samhita Siddhanta & Sanskrit) -Dr. Dimpal Gadhavi (Assistant Professor, Department of Samhita Siddhanta & Sanskrit)
Student Coordinator Details (If any)	Bhawanisinh Manav Purv Sidhdhapura Abhi

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Bhoyan Rathod, Gandhinagar
Swarnim

	Sarthaksinh Vaghela Himanshu Dabhi Prakash Parmar Aarsh Prajapati

Objective of the event:

- **To Promote Awareness of Importance of Sanskrit Language**
- **To Encourage Creative Expression of Ayurvedic Concepts through Poster Making Competition**

Flow of Event:

- The Sanskrit Day Celebration 2024 celebrations commenced with an Inauguration Ceremony, The ceremony began with the soulful recitation of Ganesh Vandana and Dhanvantari Stavana, invoking the blessings of Lord Ganesha, Lord Dhanvantari and Acharya Charaka.
- The lighting of the ceremonial lamp was graciously performed by our distinguished guests: Director of Ayurveda Vd. Rakesh Salve, Vd. Santosh Gurav, HOD of Samhita Sidhhanta Department.
- The day was vibrant with a series of competitions, including Poster making Competition and Reel-making Competition, in which many of our talented students participated with zeal and creativity. The spirit of healthy competition and the display of artistic and scholarly talents truly made the event memorable.
- The celebration concluded with a Valedictory function, where the contributions of all participants and organizers were acknowledged. The day ended on a grateful note with a heartfelt Vote of Thanks, extending our appreciation to everyone who made this event a grand success.

Significance/Outcome:

Enhanced Understanding of Ayurvedic Principles: The expert lecture provided participants with in-depth knowledge of Sanskrit Language importance and who its knowledge will change the way we read our ancient Samhitas.

Conclusion:

Sanskrit holds immense significance, both culturally and linguistically. It is one of the oldest languages in the world, serving as the foundation for many Indian languages and carrying profound philosophical, scientific, and literary wisdom. Here's why Sanskrit is important:

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- **Linguistic Heritage: Many Indian languages, including Hindi, Marathi, Bengali, and even some European languages, have Sanskrit roots. It strengthens linguistic studies and historical understanding.**
- **Rich Literature: Sanskrit has an unparalleled collection of classical texts, from the Vedas and Upanishads to epics like the Mahabharata and Ramayana, which shape Indian philosophy, mythology, and ethics.**
- **Scientific Significance: Scholars believe Sanskrit's structured grammar and precise phonetics make it suitable for artificial intelligence and computational linguistics.**
- **Spiritual Depth: Almost all Hindu rituals, prayers, and scriptures are in Sanskrit, preserving religious traditions across generations.**
- **Cognitive Benefits: Learning Sanskrit enhances memory, concentration, and logical thinking, as studies have shown that its structured grammar stimulates the brain.**

Swarrnim Startup & Innovation University
Activity Report 2024

Institute / Department	**AARIHANT AYURVEDIC MEDICAL COLLEGE AND RESEARCH INSTITUTE / Samhita Siddhanta Sanskrit Department**
Activity / Event Name	CHARAKA JAYANTI CELEBRATION 2024
Date of the event	9th , August , 2024
Duration	09:30 TO 04:30 PM
Location	Seminar Hall, Aarihant Homeopathic medical college & Research Institute, Gandhinagar.
Participant's Branch/Institutes	All Year BAMS Students / AARIHANT AYURVEDIC MEDICAL COLLEGE AND RESEARCH INSTITUTE
Total Number of Participants	230
Full Name of Mentor/Principal with designation	Dr. Navin Banarase , Principal of Aarihant Ayurvedic Medical College & Research Institute
Full Name of Speaker / Guest with designation	Vd. Rakesh Salve , Director of Ayurveda, M.D. Rasashastra , Aarihant Ayurvedic Medical College & Research Institute
Faculty Coordinator Details (Name, Designation, Contact Details)	-Dr. Santosh Gurav (Professor and HOD, Department of Samhita Siddhanta & Sanskrit) -Dr Sagar Ital (Associate Professor, Department of Samhita Siddhanta & Sanskrit) -Mrs. Nilesh Jani (Assistant Professor, Department of Samhita Siddhanta & Sanskrit) -Dr. Dimpal Gadhavi (Assistant Professor, Department of Samhita Siddhanta & Sanskrit)
Student Coordinator Details (If any)	Bhawanisinh Manav Purv Sidhdhapura Abhi

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	Sarthaksinh Vaghela Himanshu Dabhi Prakash Parmar Aarsh Prajapati

Contd…

Objective of the event:

- **To Promote Awareness of Acharya Charaka's Contributions**
- **To Encourage Creative Expression of Ayurvedic Concepts through Rangoli Competition**
- **To Emphasis Ancient Ayurvedic Concept with Modern Technology Like Reel making Competition**

Flow of Event:

- The Charaka Jayanti 2024 celebrations commenced with an Inauguration Ceremony, The ceremony began with the soulful recitation of Ganesh Vandana and Dhanvantari Stavana, invoking the blessings of Lord Ganesha, Lord Dhanvantari and Acharya Charaka.
- The lighting of the ceremonial lamp was graciously performed by our distinguished guests: Director of Ayurveda Vd. Rakesh Salve, Dr. Harsh Trivedi Sir (Deputy Registrar), Dr. Amita Peter (Principal of Homeopathy) Dr. Arvind Chaudhary (Principal of Physiotherapy) and Dr. Amit Vyas (Principal of Nursing) & Vd. Santosh Gurav, HOD of Samhita Sidhhanta Department.
- The event was graced by an expert lecture delivered by the esteemed Vd.Rakesh Salve Sir, who enlightened us with his profound knowledge and insights.
- The day was vibrant with a series of competitions, including Shloka recitation, Rangoli Competition and Reel-making Competition, in which many of our talented students participated with zeal and creativity. The spirit of healthy competition and the display of artistic and scholarly talents truly made the event memorable.
- The celebration concluded with a Valedictory function, where the contributions of all participants and organizers were acknowledged. The day ended on a grateful note with a heartfelt Vote of Thanks, extending our appreciation to everyone who made this event a grand success.

Significance/Outcome:

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Bhoyan Rathod, Gandhinagar

- **Enhanced Understanding of Ayurvedic Principles**: The expert lecture provided participants with in-depth knowledge of Charaka Acharya's teachings, enriching their understanding of Ayurvedic principles and their relevance in modern times.
- **Deepened Connection with Scriptural Knowledge**: Participants developed a deeper connection with Ayurvedic scriptures, gaining a better understanding of the meaning, pronunciation, and significance of the shlokas they recited.
- **Creative Engagement**: The Adharneeya Vega reel-making competition encouraged participants to creatively express their interpretation of the concept, fostering a deeper connection with Ayurvedic teachings and promoting innovative thinking.
- **Cultural Appreciation**: The Rangoli competition, centered on the principles of Charaka Acharya, allowed participants to explore and appreciate the cultural and spiritual significance of these teachings through artistic expression.
- **Community Building**: The diverse activities facilitated interaction among participants, building a sense of community and shared purpose in preserving and promoting the wisdom of Ayurveda.
- **Increased Awareness**: The celebration as a whole raised awareness about Charaka Acharya's contributions to Ayurveda, inspiring participants to further explore and integrate these principles into their personal and professional lives.

Quote / Comment

- Chief Guest's Quote: Charaka Jayanti is not just a celebration of an ancient sage but a tribute to the profound wisdom that has guided generations in the art of healing. Charaka's contributions to Ayurveda have laid the foundation for holistic health practices that continue to benefit humanity.
- Expert's Comment: Charaka's teachings remain remarkably relevant in our modern world. His emphasis on individualized treatment, preventive care, and the integration of mind, body, and spirit in health practices offers a timeless guide to achieving well-being.

Conclusion

- The event served as a powerful reminder of the enduring relevance of Charaka's principles in promoting health, well-being, and balance in our lives. It inspired participants to continue exploring and integrating these ancient teachings into their modern-day practices, ensuring that the legacy of Charaka Acharya continues to thrive in the years to come. As the celebration concluded, it left a lasting impact on all who participated, encouraging them

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Bhoyan Rathod, Gandhinagar

to carry forward the torch of Ayurvedic knowledge and wisdom with renewed vigor and commitment.

Photographs: (Don't paste here, photos must be attached separately with email)

1. At least 3 – 5 photographs must be shared with every report.
2. Resolution (300 – 1000 kb).
3. Format: Jpeg format only.
4. Photos should not be edited (no caption or detailed should be embossed on the photograph).
5. Names of the dignitaries from Left to Right should be added in naming the file.
6. Photos should be taken from front only. The participants back in the frame should be avoided.
7. For the events happening in the seminar room, we suggest that we take a group photo of participants & the speakers in the lobby.

Aarihant Ayurvedic Medical College and Research Institute
Aarihant Ayurvedic Hospital
At - Bhoyan Rathod, Gandhinagar

"10th IDY- Yogotsav- 2024"

INSTITUTE & DEPARTMENT	**SWASTHAVRITTA & YOGA DEPARTMENT** AARIHANT AYURVEDIC MEDICAL COLLEGE AND RESEARCH INSTITUTE AT - BHOYAN RATHOD , GANDHINAGAR
ACTIVITY NAME / EVENT NAME	10th IDY-YOGOTSAV-2024 10th INTERNATIONAL DAY OF YOGA CELEBRATION
MONTH	JUNE-2024
DATE OF THE EVENT	17th to 21st June
DUTRATION	9.30 am onwards
PLACE	AYUSH Building & Lawn area in front of SSIU Campus
GUESTS	- Dr. Upendra Patel - Dr. Ramsinh Rajput - Dr. Birendra Srivastav - Vd. Rakesh salve - Dr. Navin Banarase - Dr. Arvind Chauhan - Dr. Amita Peters - Dr. Amit Vyas - Dr. Suarabhi Chaturvedi - Dr. Sonali P. Ladhi
CO-ORDINATOR	- Dr. Sonali P. Ladhi - Dr. Swapanil Shinde - Dr. Tejal J. Ganvit
DEMONSTRATERS	- Dr. Dharmisha Kahdoliya - Dr. Chirag Vaghela

Swarnim Startup & Innovation University Bhoyan Rathod, Gandhinagar

Committees Name	Committee Members	Work
Stage Committee	Dr. Sonali P. Ladhi Dr. Tejal J Ganvit Dr. Priyanka Chaudhary	Banners installation Dias Mats
Lamp Lighting & Decor	Mrs. Nilesha Jani Dr. Dimpal Gadhavi Ms. Rita Parmar	Lord Dhanvantari Photo Sarswati Photo Pooja Samagri (Flowers, samay, Matchbox, Candles, Ghee, Agarbatti etc.)
Sound	Dr. Tejal J Ganvit	Sound Arrangements
Anchoring & Vote of Thanks	Dr. Abhinav Sonawane	
Refreshment Committee	Dr. Mansi Jagtap Dr. Vrushani Vyas Mrs. Tamanna Mr. Rahul	Counters placements for refreshment (Faculty/Students) Purchase of refreshment Proper distribution of refreshment
Demonstrator	Dr. Dharmisha Kahdoliya Dr. Chirag Vaghela	
Photography	Dr. Sagar Ital Dr. Rachana Yadav	
Media & Reports	Dr. Tejal J Ganvit Dr. Hetal Mori	
Judges	**21 Days Competition** Dr. Sonali P. Ladhi Dr. Tejal J Ganvit **Essay Competition** Dr. Navin Banarase Dr. Santosh Tale **Poster Competition** Dr. V. P. Aralikatti Dr. Santosh Gurav **Reels / Short Video** Vd. Rakesh Salve Dr. Sameeksha Gurav	

Objective of the event:

The International Day of Yoga has been celebrated annually on 21 June since 2015; following its inception in the United Nations General Assembly in 2014.Yoga is a physical, mental and spiritual practice which originated in India. The Indian Prime Minister, Narendra Modi, in his UN address in 2014, had suggested the date of 21st June, as it is the longest day of the year in the Northern Hemisphere and shares a special significance in many parts of the world.

Yoga is an invaluable gift of India's ancient tradition. It embodies unity of mind and body; thought and action; restraint and fulfillment; harmony between man and nature; a holistic approach to health and well-being. It is not about exercise but to discover the sense of oneness with yourse lf, the world and the nature. By changing our lifestyle and creating consciousness, it can help in well-being. Let us work towards adopting an International Yoga Day.

10th International Day of Yoga celebration was organized by Department of Swasthavritta & Yoga, Aarihant Ayurvedic Medical College & Research Institute, which is constitute of Swarrnim Startup and Innovation University.

Flow of the events : mention the flow / schedule of the event in detail :-

Register Participants for Competitions

Sr. No.	Competition	No. Participants
1	21 Days Asanas Challenge	**45**
2	Essay Competition	**20**
3	Digital Poster Making	**25**
4	Reels / Short Video	**10**
5	Online Quiz	**121 +**

Judges of Competition

Sr. No.	Competition	Judges Name
1	21 Days Asanas Challenge	Dr. Sonali P. Ladhi Dr. Tejal J Ganvit
2	Essay Competition	Dr. Navin Banarase Dr. Santosh Tale

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3	Digital Poster Making	Dr. Santosh Gurav Dr. V. P. Aralikatti
4	Reels / Short Video	Vd. Rakesh salve Dr. Sameeksha Gurav
5	Quiz Competition	Online

Winners

Sr. No.	Competition	Winners
1	21 Days Asanas Challenge	1st – Meshva Patel 2nd – Nidhi Parmar 3rd – Sendha Parmar
2	Essay Competition	1st – Vishva Raval 2nd – Zeel Bhanushali 3rd – Purva Sidhdhpura & Abhi Prajapati
3	Digital Poster Making	1st – Bhargav Amipara 2nd – Purv Sidhdhpura 3rd – Zeel Bhanushali & Ayushi Patel, Soham Chauhan
4	Reels / Short Video	1st – Nidhi Parmar & Group 2nd – Jalpa Trambadiya 3rd – Nadani Santoki

On 21st June, 2024 Introduction of Event was given by Dr. Abhinav Sonawane

Session was started with Deep Pragtya & Dhnavantari Stavan by guests.

Celebration of International Day of Yoga was started with Omakara, Loosening exercise and carried out with Ayush Mantralay common Protocol Asanas, **Standing *Asansas* –** *Tadasana, Vrikshasana*; **Sitting *Asanas*-** *Vajrasana, Shashankasana* **Supine *Asanas*** *– Pavanamuktasana, Setubandhasana*; **Prone *Asanas*** *– Bhujangasana, Makarasana* ; ***Kapalabhati; Pranayama-*** *Anuloma-Viloma, Bhramari* were very well performed by the participants. Session was ended by 3 times *Omakara.*

Winners of competitions were announced by Dr. Navin Banarase and felicitated with certificates & trophies by Dr. Upendra Patel & Dr. Birendra Srivasatva.

Session concluded with National Anthem & Refreshment.

Significance / Outcome:

Approximately 200-250 Participants had taken part in Offline Yoga Sessions Essay Competition (submission before 17th June, 2024), 21 Days Challenge, Digital Poster Making, Reels / Short Video were organised and Best 3 Winners of competitions were announced.

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Swarrnim Startup & Innovation University
Activity Report 2023

Institute / Department	**AARIHANT AYURVEDIC MEDICAL COLLEGE AND RESEARCH INSTITUTE / Samhita Siddhanta Sanskrit Department**
Activity / Event Name	CHARAKA JAYANTI & SANSKRIT DAY CELEBRATION 2023
Date of the event	11th & 12th September 2023
Duration	09:30 TO 04:30 PM
Location	Seminar Hall, Aarihant Homeopathic medical college & Research Institute, Gandhinagar.
Participant's Branch/Institutes	All Year BAMS Students / AARIHANT AYURVEDIC MEDICAL COLLEGE AND RESEARCH INSTITUTE
Total Number of Participants	180
Full Name of Mentor/Principal with designation	Dr. Navin Banarase , Principal of Aarihant Ayurvedic Medical College & Research Institute
Full Name of Speaker / Guest with designation	Vd. Rakesh Salve , Director of Ayurveda, M.D. Rasashastra , Aarihant Ayurvedic Medical College & Research Institute
Faculty Coordinator Details (Name, Designation, Contact Details)	-Dr. Santosh Gurav (Professor and HOD, Department of Samhita Siddhanta & Sanskrit) -Dr Sagar Ital (Associate Professor, Department of Samhita Siddhanta & Sanskrit) -Mrs. Nilesh Jani (Assistant Professor, Department of Samhita Siddhanta & Sanskrit) -Dr. Dimpal Gadhavi (Assistant Professor, Department of Samhita Siddhanta & Sanskrit)
Student Coordinator Details (If any)	Bhawanisinh Manav Purv Sidhdhapura Abhi

Startup & Innovation University Bhoyan Rathod, Gandhinagar Swarrnim

	Sarthaksinh Vaghela Himanshu Dabhi Prakash Parmar Aarsh Prajapati

Flow of Event:

Department of Sanskrit Samhita Siddhanta " of Aarihant Ayurvedic Medical College & RI have organised two days program on occasion of Charak Jayanti and World Sanskrit Day. On 11th and 12th September at Homeopathy Seminar Hall. The student of 1st, 3rd and 4th year and faculties participated in this program. We organized following events;

On 11/09/23

- Dhanvantari, Charak, Saraswati poojan.
- Dnyanayag - Presentation by Vd Rakesh Salve.
- Abhyasat Prapyate Drushti - Narration of insightful shloka by 10 Faculties.
- Sanskrit gaan, stotra, nrutya and garba.

On 12/09/23

- Abhyasat Prapyate Drushti - Narration of insightful shloka by 20 Faculties.
- Hrudi Tishthate Samhita - Quiz Competition.
- Swanubhuti - PPT presentation by team of Faculty and Student.

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Swarrnim Startup & Innovation University
Activity Report 2023

Institute / Department	**AARIHANT AYURVEDIC MEDICAL COLLEGE AND RESEARCH INSTITUTE / Samhita Siddhanta Sanskrit Department**
Activity / Event Name	CHARAKA JAYANTI & SANSKRIT DAY CELEBRATION 2023
Date of the event	11th & 12th September 2023
Duration	09:30 TO 04:30 PM
Location	Seminar Hall, Aarihant Homeopathic medical college & Research Institute, Gandhinagar.
Participant's Branch/Institutes	All Year BAMS Students / AARIHANT AYURVEDIC MEDICAL COLLEGE AND RESEARCH INSTITUTE
Total Number of Participants	180
Full Name of Mentor/Principal with designation	Dr. Navin Banarase , Principal of Aarihant Ayurvedic Medical College & Research Institute
Full Name of Speaker / Guest with designation	Vd. Rakesh Salve , Director of Ayurveda, M.D. Rasashastra , Aarihant Ayurvedic Medical College & Research Institute
Faculty Coordinator Details (Name, Designation, Contact Details)	-Dr. Santosh Gurav (Professor and HOD, Department of Samhita Siddhanta & Sanskrit) -Dr Sagar Ital (Associate Professor, Department of Samhita Siddhanta & Sanskrit) -Mrs. Nilesh Jani (Assistant Professor, Department of Samhita Siddhanta & Sanskrit) -Dr. Dimpal Gadhavi (Assistant Professor, Department of Samhita Siddhanta & Sanskrit)
Student Coordinator Details (If any)	Bhawanisinh Manav Purv Sidhdhapura Abhi

	Sarthaksinh Vaghela Himanshu Dabhi Prakash Parmar Aarsh Prajapati

Flow of Event:

Department of Sanskrit Samhita Siddhanta " of Aarihant Ayurvedic Medical College & RI have organised two days program on occasion of Charak Jayanti and World Sanskrit Day. On 11th and 12th September at Homeopathy Seminar Hall. The student of 1st, 3rd and 4th year and faculties participated in this program. We organized following events;

On 11/09/23

- Dhanvantari, Charak, Saraswati poojan.
- Dnyanayag - Presentation by Vd Rakesh Salve.
- Abhyasat Prapyate Drushti - Narration of insightful shloka by 10 Faculties.
- Sanskrit gaan, stotra, nrutya and garba.

On 12/09/23

- Abhyasat Prapyate Drushti - Narration of insightful shloka by 20 Faculties.
- Hrudi Tishthate Samhita - Quiz Competition.
- Swanubhuti - PPT presentation by team of Faculty and Student.

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Bhoyan Rathod, Gandhinagar

Aarihant Ayurvedic Medical College and Research Institute
Aarihant Ayurvedic Hospital
At - Bhoyan Rathod, Gandhinagar

"Guru Paurnima Celebration"

INSTITUTE & DEPARTMENT	**AARIHANT AYURVEDIC MEDICAL COLLEGE AND RESEARCH INSTITUTE, AARIHANT AYURVEDIC HOSPITAL** AT - BHOYAN RATHOD , GANDHINAGAR
ACTIVITY NAME / EVENT NAME	Guru Paurnima Celebration - Shloka recitation competition - Quiz competition - Rangoli Competition - Video/Reel Competition
MONTH	July 2023
DATE OF THE EVENT	3/07/2023 & 4/07/2023
PLACE	Aarihant Ayurvedic Medical College & Research Institute, Aarihant Ayurvedic Hospital
GUESTS	Dr. Navin Banarase Dr. Rakesh Salve

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Objective of the event:

The celebration of Guru Purnima is marked by spiritual activities and may include a ritualistic event, *Guru puja*, in honor of the Guru or teacher. Gurus are believed by many to be the most necessary part of life. On this day, disciples offer or pay respect to their guru. In addition to having religious importance, this festival has great importance for Indian academics and scholars. Indian academics celebrate this day by thanking their teachers as well as remembering past teachers and scholars. So Guru Purnima celebration was organized by Aarihant Ayurvedic Medical College and Research Institute which is constitute of Swarrnim Startup and Innovation University.

Name of Competitions	Co-ordinatiors	Judges	Winners
Reels/ Video Competition	Dr. Yogeshkumar Gite(Professor) Dr. Binal Gondalia (Consultant/ Assistant Professor) Dr. Hetal Mori (Associate Professor)	Dr. Yogeshkumar Gite(Professor) Dr. Binal Gondalia (Consultant/ Assistant Professor) Dr. Hetal Mori (Assistant Professor)	**Winner :** 1st rank: zeel Bhanushali Nidhi Chaudhry Mittal Panchal Radhika Panchal 2nd rank: Parekh Khushi Jigneshbhai from 1st year 3rd rank: Monali Patel from 1st year new

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Shloka Recitation Competition	Dr. Vrushani Vyas(Assistant Professor) Dr. Dharmish kahodaliya(Assistant Professor) Dr. Mansi Jagtap(Assistant Professor)	Dr. Manik Godbole (Professor) Nilesha Jani (Lecturer) Dr. Sayli Bendal (Assistant Professor)	**Winner :-** 1st Winner :- Dhwani Rupareliya 2nd winner: - Kunj Patel 3rd winner: Dhruvi Parmar Purva Sidhhapara
Quiz Competition	Dr.Samiksha Gurav (Professor) Dr. Pankaj Kolambe (Associate professor)	Dr Santosh Gurav (Professor)	Winner – 1st Ishita Patel Dhruv Valand 2nd Kruti Bhavsar Shafika Maru 3rd Mohit Surkar Shaikh Mariyam Naznin Mansuri

Shloka based Rangoli	Dr.Shila Malivad (Assistant professor)	Dr. samiksha (professor) Dr. Pooja (Assistant professor)	First Winner - 4th year - Ishita Patel, Kruti Bhavasar. Second Winner- 1st New - Niyati, Muskan, Tisha, Devanshu. Third Winner - 3rd year - Radhika Panchal, Seena Patel, Nidhi Chaudhary Third Winner - Shaikh Mariyam, Shafika maru, Manasi Padhiyar

Flow of the event: mention the flow / schedule of the event in detail

The programme was started around 10:00 am with Lamp lightening and Dhanvantari Poojan by Dr. Navin Banarase, Dr. Rakesh Salve, Dr. Yogeshkumar Gite on 3rd July 2023. After that session was started with introductory speech of Dr. Navin Banarase Dr. Yogeshkumar Gite had also given motivational speech. Total 80 students participated in various competitions. There are solo, duet and group performances. After motivational speech Shloka competition was started. After that Quiz competition was started. Rangoli competition was hold on 4th July 2023. Programme was ended with announcement of winners and certificate distributionon 4th July 2023.

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Significance / Outcome:

Approximately 80 students were participated in various competitions and all facilities and hospital staff attend the programme.

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"9th IDY- Yogottsav- 2023"

INSTITUTE & DEPARTMENT	**SWASTHAVRITTA & YOGA DEPARTMENT** AARIHANT AYURVEDIC MEDICAL COLLEGE AND RESEARCH INSTITUTE AT - BHOYAN RATHOD , GANDHINAGAR
ACTIVITY NAME / EVENT NAME	9th IDY-YOGOTTSAV-2023 9th INTERNATIONAL DAY OF YOGA CELEBRATION
MONTH	JUNE-2023
DATE OF THE EVENT	19th June and 21st June
DUTRATION	9.30 am onwards
PLACE	AYUSH Building & Lawn area in front of SSIU Campus
GUESTS	- Dr. Ramsinh Rajput - Vd. Rakesh salve - Dr. Navin Banarase - Dr. Arvind Chauhan - Dr. M. B. Dholkia - Dr. Amita Peters - Dr. Amit Vyas - Mr. N. M. Patel - Dr. Sonali P. Ladhi
CO-ORDINATOR	- Dr. Sonali P. Ladhi - Dr. Swapanil Shinde - Dr. Tejal J. Ganvit
DEMONSTRATERS	- Mr. Dev Nimavat - Mr. Kunj Patel - Ms. Zeel Bhanushali - Ms. Vidhi Gadhavi - Ms. Radhika Panchal

Swarnim Startup & Innovation University Bhoyan Rathod, Gandhinagar

Committees Name	Committee Members
Stage Committee	Dr. Swapnil Shinde Dr. Tejal J. Ganvit Dr. Payal Charel
Lamp Lighting & Decor	Mrs. Nilesha Jani Dr. Alaknanda Dr. Jyotika Jani Ms. Rita Parmar
Sound	Dr. Tridev Patil Dr. Chirag Vaghela Dr. Jaimin Vaghela
Competition Committee	Dr. Pankaj Kolambe Dr. Shila Malivad Dr. Dharmisha Kahdoliya Dr. Binal Gondlia Dr. Drasti Patel Dr. Hetvi
Sitting Arrangements	Dr. Mukesh Borase Dr. Tushar Punse Dr. Ruchika Chaudhari Dr. Ruchita Warole Dr. Bhavya Nimavat Dr. Jaimin Gurjar Mr. Kirtesh Bhatt
Discipline Committee	Dr. Vaibhav Bhadane Dr. Nandkishore Umale Dr. Avinash Bholane Dr. Vishwesh Srivas Dr. Sayali Bendal Dr. Ayswarya Narayan Dr. Pooja Kalane
Anchoring & Vote of Thanks	Dr. Hetal Mori
Photography	Dr. Sagar Ital Dr. Abhinav Sonawane Mr. Pankaj
Refreshment Committee	Dr. Namdev Dr. Mansi Jagtap Dr. Vrushani Vyas Mrs. Tamanna

	Mrs. Sarita Mr. Rahul Mr. Mahaveer Mr. Jignesh Makwana Ms. Shradhdha
Reports	Dr. Tejal J Ganvit Dr. Binal Gondlia Dr. Hardik Parmar

Objective of the event:

The International Day of Yoga has been celebrated annually on 21 June since 2015; following its inception in the United Nations General Assembly in 2014.Yoga is a physical, mental and spiritual practice which originated in India. The Indian Prime Minister, Narendra Modi, in his UN address in 2014, had suggested the date of 21st June, as it is the longest day of the year in the Northern Hemisphere and shares a special significance in many parts of the world.

Yoga is an invaluable gift of India's ancient tradition. It embodies unity of mind and body; thought and action; restraint and fulfillment; harmony between man and nature; a holistic approach to health and well-being. It is not about exercise but to discover the sense of oneness with yourse lf, the world and the nature. By changing our lifestyle and creating consciousness, it can help in well-being. Let us work towards adopting an International Yoga Day.

9th International Day of Yoga celebration was organized by Department of Swasthavritta & Yoga, Aarihant Ayurvedic Medical College & Research Institute, which is constitute of Swarrnim Startup and Innovation University.

Flow of the events : mention the flow / schedule of the event in detail :-

Register Participants for Competitions

Sr. No.	Competition	Participants
1		1. Sukesha Jetsar
		2. Ishita Patel
		3. Kruti Bhavsar
		4. Kunj Patel

	Essay Competition	5. Zeel Bhanushali
		6. Dhyanvi Gandhi
		7. Shlok Oza
		8. Chirag Varma
		9. Vidhi Patel
		10. Hammad Bavluwala
		11. Bhumika Chavda
		12. Sahil Chudasama
		13. Jay Prajapati
		14. Jitesh Purohit
		15. Mittal Panchal
		16. Yash P. Lad
		17. Amisha J. Patel
		18. Mariyam A.I. Shaikh
		19. Shafika Maru
		20. Om Panchal
		21. Khushi Oza
		22. Nidhi Pandey
		23. Aasimah Shaikh
		24. Dhruval Patel
		25. Radhika Panchal
		26. Rasmita Samanta
		27. Sameena Siddiqui
2	**Yoga Competition**	1. Kunj Patel
		2. Mohit Surkar
		3. Nidhi Chaudhari
		4. Jitesh Purohit
		5. Mansuri Naznin
		6. Kruti Bhavsar
		7. Zeel Bhanushali
3	**Rangoli competition**	**(Group 1)** Ishita Patel Kruti Bhavsar
		(Group 2 – Radiant) Nidhi Chaudhari Vidhi Gadhavi Radhika Panchal Seena Patel Mittal Panchal
		(Group 3) Sakshi Patel Komal Vataliya Mansi Padhiyar Meet C. Patel

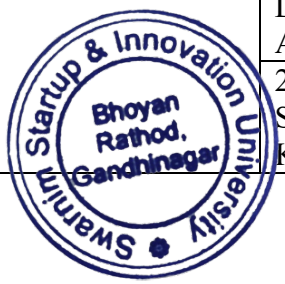
		Vaibhav Savaliya
		(Group 4 – Hazel 6) Bhmika Chavda Khushi Oza Nidhi Pandey Dhruvi Parmar Aastha Parmar
		Group 5 Niyati Muskan Tisha Aasima Monali

Judges of Competition

Sr. No.	Competition	Judges Name
1	Essay Competition	Dr. Yogeshkumar Gite Dr. Sonali P. Ladhi
2	Yoga Competition	Vd. Rakesh Salve Dr. Shilpa Banarase
3	Rangoli competition	Dr. Navin Banarase Dr. Manik Godbole

Winners

Sr. No.	Competition	Winners
1	Essay Competition	1st – Vidhi Gadhavi
		2nd – Sahil Chudasama
		3rd – Aditi Shah
2	Yoga Competition	1st – Zeel Bhanushali
		2nd – Nidhi Chaudhary
		3rd- Naznin Mansuri
3	Rangoli competition	1st – Bhmika Chavda Khushi Oza Nidhi Pandey Dhruvi Parmar Aastha Parmar
		2nd – Sakshi Patel Komal Vataliya



		Mansi Padhiyar Meet C. Patel Vaibhav Savaliya
		3rd – Nidhi Chaudhari Vidhi Gadhavi Radhika Panchal Seena Patel Mittal Panchal

On 21st June, 2023 Introduction of Event was given by Dr. Hetal Mori.

Session was started with Deep Pragtya by Vd. Rakesh Salve (Ayurveda Director), Dr. Navin Banarase (Principal - Ayurveda), Dr. M. B. Dholakia (Principal - SIT), Dr. Arvind Chauhan (Principal - Physiothrapy), Dr. Amit Vyas (Principal - Nursing), Mr. N. M. Patel (Principal - Agriculture), Dr. Amita Peters (Homeopathy) , Dr. Sonali P. Ladhi (HOD – Swasthavritta & Yoga), Dr. Nilesha Jani (Asst. Prof. - Sanskrit).

Celebration of International Day of Yoga was started with Omakara, Yoga Session (Asanas), Instructed by Mrs. Kavita Vyas & Team According to Common Protocol of Yoga ; Loosening Exercise; **Standing *Asansas* –** *Tadasana, Vrikshasana, Trikonasana, Padahstasana*; **Sitting *Asanas*-** *Padmasana, Vajrasana, Ushtrasana, Shashankasana, Gomukhasana;* **Supine *Asanas*** – *Pavanamuktasana, Setubandhasana*; **Prone *Asanas*** – *Bhujangasana,Shalabhasana* ; ***Kapalabhati; Pranayama-*** *Anuloma-Viloma, Bhramari* were very well performed by the participants. Session was ended by 5 times *Omakara.*

Shloka Chatting was done by 3rd Year Student, Winners of competitions were announced felicitated with certificates & trophies by Dr. Ramsinh Rajput, Dr. Rakesh Salve, Dr. Navin Banarase and Dr. N.M Patel Sir.

Session concluded with National Anthem & Refreshment.

Significance / Outcome:

Approximately 350 Participants had taken part in Offline Yoga Sessions, 250 Swarrnim members & Students Registered themselves for Yoga Session. Essay Competition (submission before 19th June, 2023), Rangoli Competition, Yoga Competition was organized on 19th June at AYUSH building. Best 3 Winners of competitions were announced.

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Aarihant Ayurvedic Medical College and Research Institute

At - Bhoyan Rathod, Gandhinagar

"Orientation Programme for 1st Year BAMS-2023"

Institute and Department	Aarihant Ayurvedic Medical College and Research Institute ,Gandhinagar
Activity Name / Event Name	Orientation Programme
Month	February 2023
Date of the event	28.02.2023
Duration	09.00 am Onwards
Guest	Dr. Hiren Kadikar (Academic Director) Principal/HoI of All Institute
Host	Vd. Rakesh Salve (Director of Ayurveda) Dr. Navin Banarase (Principal) & Ayurveda Family
Place	Ayurved Hospital Corridor
Media & Publicity committee	Dr. Tejal Ganvit MD (Ayu) Dr. Hardik Parmar MS (Ayu) Dr. Binal Gondalia MD(Ayu)

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Objective of the event:
Ayurveda, the indigenous medical science is having a unique way in selection of student for learning medical science and it always upholds the diligence of medical students backed by good ethical conducts. In present days "*Shishyopanayana Ceremony*" is conducted as an initiation to learn Ayurveda for the new comers and unfortunately the ceremony gets winded up with mere performance of rituals.

In Indian system of education the students are inducted for learning various branches of knowledge in the *Gurukula* under certain Guru. For this the *Upanayana* ceremony was organized by Aarihant Ayurvedic Medical College & Research Institute of Swarrnim Startup and Innovation University.

Flow of the event: mention the flow / schedule of the event in detail

Event was started with registration of 1st Year BAMS students and welcomed them with Tilak. The programme was started around 9:30 am with Dhanvantari Poojan & Havana by Dr. Hiren Kadikar (Academic Director), Vd. Rakesh Salve (Director of Ayurveda), Dr. Navin Banarase (Principal), Principal of Homeopathy & SIT and all staff members . After Havana, Pooja Thread was tied on Right hand & got blessings from Gurus. After that 1st Year students has welcomed students with introduction, ramp walk and other activities.

At the end White coat ceremony was done by Principal sir & other faculties.

Significance/Outcome:
Event was successfully completed, 1st Year New & Old batch had taken benefits of Havan & Pooja. Hospital staff, Teaching Faculties, Non-teaching faculties also taken benefits.

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18.10.2022: A Nutritional food festival " Bhuli Bisari Traditional recipes "

In the series of events stated by Ministry of Ayush ,NCISM & All India Institute of Science, to celebrate 7th National Ayurved day , we Swasthavritta & Yoga Department, AAMC & RI **celebrated A Nutritional food festival " Bhuli Bisari Traditional recipies "** in collaboration with Swarrnim Institute of Design at Central Plaza on 18 Oct.2022.

25 stalls along with 55 Students & Faculties were participated .

A Nutritional food festival Selfi corner was the Point of attraction.

Winner -

1st - Solkadhi (Ayurveda),

2nd. - Kalakand (Business)

- Chikki (Design)

rd Makhana (Ayurveda) , Consolation Price -

4th Maharashtiyan Thali (Homeopathy)

5th Highest selling Price given to Khichu (Design) .

Happy National Ayurved Week to all of You.

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"हरदिनहरघरआयुर्वेद "

जनसंदेश llजनभागीदारी ll जनआंदोलन ll

Few Glimpses of the event sharing here;

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Aarihant Ayurvedic Medical College and Research Institute

At - Bhoyan Rathod, Gandhinagar

"Orientation Programme for 1st Year BAMS-2022"

Event Name:- Orientation Programme
Event Date & Time:- 21/7/2022 Thursday
At -9:30A.M. onward
Guests Name:-
Shree Rishabh Jain
(President)
Shree Adi Jain
(Vice President, Swarrnim Startup and Innovation University)
Provost- **Dr. Kartik Jain**
Academic Director – **Prof. Hiren Kadikar**

Objective of the event:

Shishyopanayanam means beginning a formal course of study. This ritual or Samskara is described in classical Ayurvedic treatises such as Charaka Samhita; Sushrutha Samhita and Astanga Hridaya.Indian tradition gives importance to every event of the life. In Indian system of education the students are inducted for learning various branches of knowledge in the Gurukula under certain Guru. For this the Upanayana ceremony was organizedby Aarihant Ayurvedic Medical College & Research Institute of Swarrnim Startup and Innovation University.

Flow of the event: mention the flow / schedule of the event in detail

Swarrnim Startup & Innovation University Bhoyan Rathod, Gandhinagar

Event was started with registration of 1st Year BAMS students and welcomed them with Tilak. The programme was started around 9:30 am with Dhanvantari Poojan & Havana by Shree Adi Jain (Vice president), Dr. Kartik Jain (Provost), Prof. Hiren Kadikar (Academic Director) . After Havana, Pooja Thread was tied on Right hand & got blessings from Gurus. After that president shree Rishabh Jain inaugurated New Ayush building. At the end All staff members celebrated birthday of shree President Rishabh Jain and Registrar Upendra Patel.

Significance / Outcome:

Event was successfully organized and heartily welcomed of 1st Year BAMS students and their parents. They got detail information about our Institute & University.

Prepared by,

Dr.Binal Gondalia MD (ayu)
Dr.Hardik Parmar MS (ayu)
Dr. Tejal Ganvit MD (ayu)

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Swarnim Startup & Innovation University

Aarihant Ayurvedic Medical College and Research Institute

Aarihant Ayurvedic Hospital

At - Bhoyan Rathod, Gandhinagar

"75 lakh Suryanamaskara on Makarsankranti"

INSTITUTE & DEPARTMENT	**SWASTHAVRITTA & YOGA DEPARTMENT** AARIHANT AYURVEDIC MEDICAL COLLEGE AND RESEARCH INSTITUTE AT - BHOYAN RATHOD , GANDHINAGAR
ACTIVITY NAME / EVENT NAME	**"AZADI KA AMRUT MAHOTTSAV"** 75 LAKH SURYANAMASKAR ON MAKARSANKRANTI
MONTH	JANUARY-2022
DATE OF THE EVENT	13.01.2022
DUTRATION	10:00am Onwards
PLACE	Terrace, Health Science Building.
GUESTS	- Dr. Navin Banarase - Dr. Arvind Chauhan - Dr. Amita Peter - Mrs. Sejal Patel - Mrs. Nilam Sanghavi
CO-ORDINATOR	- Dr. Sonali P. Ladhi - Dr. Tejal J. Ganvit
DEMONSTRATERS	- Dr. Kavita Ugale - Dr. ChiragVaghela - Dr. Ajay Rangvani

Swarnim Startup & Innovation University Bhoyan Rathod, Gandhinagar

Objective of the event:

Suryanamaskara has a mythological significance. Lord Sun is the biggest source of energy in universe. It gives us Physical and Psychological energy. It also has a spiritual Importance, so sun salutation is the way of thanks giving to Mother Nature.

Suryanamaskara Programme celebration was organized by Department of Swasthavritta & Yoga, Aarihant Ayurvedic Medical College & Research Institute, which is constitute of Swarrnim Startup and Innovation University.

Flow of the event: mention the flow / schedule of the event in detail

Welcome speech was given by Dr. Sonali P. Ladhi.

The programme was started at 10:00 am with Lamp lightening and Dhanvantari Poojan by Dr. Navin Banarase, Dr. Amita Peter, Dr. Arvind Chauhan, Mrs.Sejal Patel, Mrs. Nilam Sanghavi and Dr. Sonali P. Ladhi.

Starting with Omkara thrice by all the participants, after that introduction & Importance of Suryanamaskara was explained by Dr. Sonali P. Ladhi. Instructions regarding to steps of Suryanamaskara instructed by Dr.Sonali P. Ladhi & Demonstrated by Dr. Kavita Ugale, Dr. Chirag Vaghela & Dr. Ajay Rangvani. Programme concluded with vote of thanks by Dr. Sonali P. Ladhi.

Significance / Outcome:

More than 75 Participants of Health Science Department had taken part in Suryanamaskara Programme, Made it Successful.

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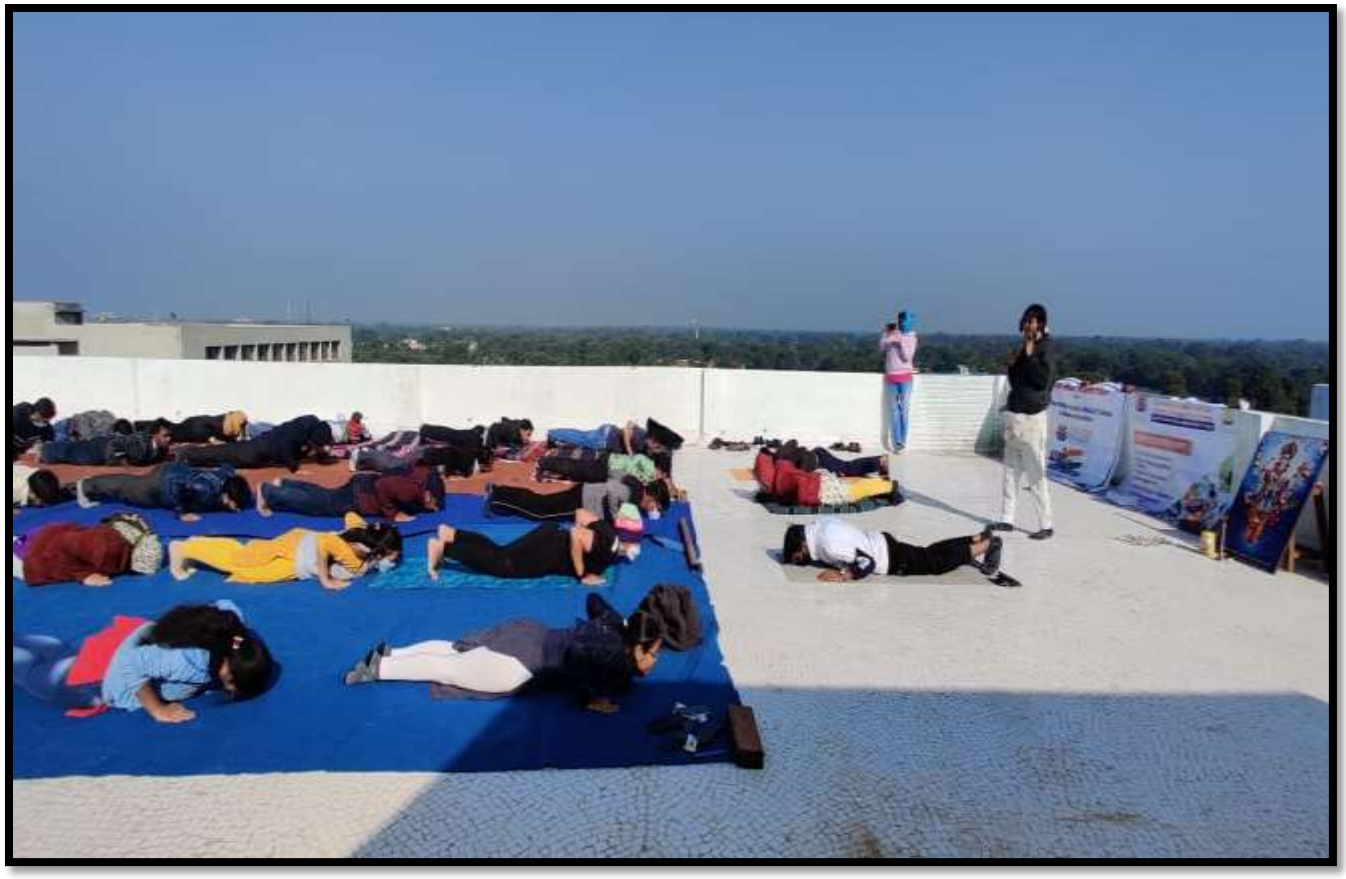

Swarnim Startup & Innovation University
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SWARRNIM
SCHOOL OF COMPUTING & IT

SWARRNIM STARTUP & INNOVATION UNIVERSITY

SWARRNIM SCHOOL OF COMPUTING & IT

Vision & Mission

Vision

- The vision is to be a leading Institute in the field of Computer Applications and Information Technology education, recognized for producing highly skilled professionals who contribute to the advancement of the digital era that drive innovation and entrepreneurship for a brighter future.

Mission

- The mission is to provide high-quality education in Computer Applications, fostering creativity, innovation, problem-solving & entrepreneurship skills.
- Through experiential learning, industry collaborations, and a focus on research, we prepare our students for success in the digital age.
- To prioritize inclusivity, ethics, and holistic development, nurturing responsible individuals who contribute to society's advancement.

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IKS Summarized

S. NO.	COURSE	ACADEMIC YEAR	TOTAL ACTIVITES	ACTIVITIES DETAILS
1	SSCIT	2023-2024	02	IKS CURRICULUM
				EXPERT LECTURE-1
				EXPERT LECTURE-2
		2024-2025	02	SITE VISIT-1
				SITE VISIT-2
				FACULTY CONTRIBUTION TO IKS
2	SMCLA	2023-2024	02	IKS CURRICULUM
				EXPERT LECTURE-1
		2024-2025	02	SITE VISIT-1
				SITE VISIT-2
3	SIT	2023-2024	02	IKS CURRICULUM
				EXPERT LECTURE-1
		2024-2025	02	SITE VISIT-1
				FACULTY CONTRIBUTION TO IKS

BSC-IT

B. SC.- IT (H) 2023-2027 Semester – I						
Category of Course	Subject Code	Subject title	Teaching Scheme (Per week)			
			Theory	Tutorial	Practical	Credits
Major/ Core	BSCIT230101	Fundamentals of Computers	3	0	2	4
Major/ Core	BSCIT230102	Programming in C	3	0	2	4
Minor	BSCIT230103	Web Development Using HTML, CSS & XML	3	0	2	4
MDC	BSCIT230105	Mathematical Foundation	3	1	0	4
AEC	AEC230101	Communication Skills	0	0	4	2
SEC	SEC230101	Foundation of Entrepreneurship	2	0	0	2
IKS	IKS230101	Indian Science and Technology	2	0	0	2
Total Credits Earned						22

B. SC.- IT (H) 2023-2027 Semester – II						
Categoryof Course	Subject Code	Subject title	Teaching Scheme (Per week)			
			Theory	Tutorial	Practical	Credits
Major/ Core	BSCIT230201	Data Structures using C	3	0	2	4
Major/ Core	BSCIT230202	Database Management System	3	0	2	4
Minor	BSCIT230203	Mobile Application Development	3	0	2	4
MDC	BSCIT230204	Foundation in Statistical Methods	3	1	0	4
AEC	AEC230205	Logical & Critical Thinking	0	0	4	2
SEC	SEC230202	Identifying Entrepreneurial Opportunities	2	0	0	2
VAC	VAC230202	Environmental Studies	2	0	0	2
Total Credits Earned						22

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B. SC.- IT (H) 2023-2027
Semester – III

Categoryof Course	Subject Code	Subject title	Teaching Scheme (Per week)			
			Theory	Tutorial	Practical	Credits
Major/ Core	BSCIT230301	Relational Database Management System	3	0	2	4
Major/ Core	BSCIT230302	Operating System	3	0	2	4
Major/ Core	BSCIT230303	Python Programming	3	0	2	4
MDC	BSCIT230304	Computer Organization	3	1	0	4
AEC	AEC230302	Financial Literacy	2	0	0	2
SEC	SEC230303	Marketing Strategies for Startups	2	0	0	2
IKS	IKS230302	Understanding India	2	0	0	2
Total Credits Earned						22

B. SC.- IT (H) 2023-2027
Semester – IV

Categoryof Course	Subject Code	Subject title	Teaching Scheme (Per week)			
			Theory	Tutorial	Practical	Credits
Major/ Core	BSCIT230401	Cloud Computing	3	0	2	4
Major/ Core	BSCIT230402	Information Security	3	0	2	4
Major/ Core	BSCIT230403	Software Testing	3	1	0	4
Minor	BSCIT230404	Data Science	3	0	2	4
AEC	AEC230405	Soft Skills	2	0	0	2
SEC	SEC230404	Finance and Funding for Startups	2	0	0	2
VAC	VAC230402	Emerging Technologies	0	0	4	2
Total Credits Earned						22

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BCA IKS

BCA- H (NEP) 2023-2024 Semester – I						
Category of Course	**Subject Code**	**Subject title**	**Teaching Scheme (Per week)**			
			Theory	**Tutorial**	**Practical**	**Credits**
Major/ Core	BCA230101	Fundamentals of Computers	3	0	2	4
Major/ Core	BCA230102	Programming in C	3	0	2	4
Minor	BCA230103	Web Development Using HTML, CSS & XML	3	0	2	4
MDC	BCA230105	Mathematical Foundation	3	1	0	4
AEC	AEC230101	Communication Skills	2	0	0	2
SEC	SEC230101	Foundation of Entrepreneurship	2	0	0	2
IKS	IKS230101	Indian Science and Technology	2	0	0	2
Total Credits Earned						**22**

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BCA- II (NEP) 2023-2024 Semester – II						
Categoryof Course	**Subject Code**	**Subject title**	**Teaching Scheme (Per week)**			
			Theory	**Tutorial**	**Practical**	**Credits**
Major/ Core	BCA230201	Data Structures using C	3	0	2	4
Major/Core	BCA230202	Object Oriented Concepts using C++	3	0	2	4
Minor	BCA230203	Core Java	3	0	2	4
MDC	BCA230204	Foundation in Statistical Methods	3	1	0	4
AEC	AEC230205	Logical & Critical Thinking	2	0	0	2
SEC	SEC230202	Identifying Entrepreneurial Opportunities	2	0	0	2
VAC	VAC230202	Environmental Studies	2	0	0	2
Total Credits Earned						**22**

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BCA- H (NEP) 2023-2024

Semester – III

Category of Course	Subject Code	Subject title	Teaching Scheme (Per week)			
			Theory	Tutorial	Practical	Credits
Major/ Core	BCA230301	Relational Database Management Systems	3	0	2	4
Major/ Core	BCA230302	C# and DOT NET Framework	3	0	2	4
Major/ Core	BCA230303	Computer Communication and Networks	3	1	0	4
MDC	BCA230304	Digital Marketing	3	0	2	4
AEC	AEC230302	Financial Literacy	2	0	0	2
SEC	SEC230303	Marketing Strategies for Startups	2	0	0	2
IKS	IKS230302	Understanding India	2	0	0	2
Total Credits Earned						22

BCA- H (NEP) 2023-2024

Semester – IV

Category of Course	Subject Code	Subject title	Teaching Scheme (Per week)			
			Theory	Tutorial	Practical	Credits
Major/ Core	BCA230401	Python Programming	3	0	2	4
Major/ Core	BCA230402	Computer Multimedia and Animation	3	0	2	4
Major/ Core	BCA230403	Operating System	3	1	0	4
Minor	BCA230404	E-Commerce	3	1	0	4
AEC	AEC230404	II: Soft Skills	2	0	0	2
SEC	SEC230404	Finance and Funding for Startups	2	0	0	2
VAC	VAC230402	Emerging Technologies	0	0	4	2
Total Credits Earned						22

1st Sem I

Swarrnim School of Computing & IT
B. Sc.- IT (Honours) Programme
Semester I
Course Title: Indian Science & Technology

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Pract
Core	IKS230101	2	30	20%	30%	-	50%	

Course Outcomes(COs)

- Gain an in-depth appreciation of India's technological heritage, including its contributions to metallurgy, textiles, ceramics, and more.
- Understand the historical evolution of water management systems and transportation methods in India, and their impact on society.
- Explore the intersection of mathematics and astronomy in India, from ancient mathematical texts to significant astronomical discoveries.
- Examine India's ecological wisdom and environmental practices, including their applications in agriculture, architecture, and sustainable land management.
- Recognize India's role in shaping global technology and knowledge dissemination through its historical connections and contributions to various fields.

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Module	Contents	No of Sessions	Weightage
1	• Fundamentals: An overview of Indian contributions to technology, Technological Innovations, • Metallurgy, Textile Chemistry & Pyro Technology: Copper/Bronze/Zinc: Important Mines (Zawar, Khetri mines), Iron and Wootz Steel Technology, Textile and Dyeing- Indian Specialities (Kutchi Embroidery, Cotton Textile etc.), Ceramic Technology, Stone (Lapidary), Shell, Ivory, Faience & Glass Technology	09	30%
2	• Water Management & Transportation: Harappan and Traditional Water Management System of Gujarat, Historical Sites- Sringeverpur, South Indian Water Management System, Western Ghats, Cave- Kanheri, etc., Communities Involved in Water Management, Modes of Transportations and Reforms, Grand Trunk Road (Uttarapath & Dakshinapath), Development of Trading Techniques, Boat & Ship Building	06	20%
3	• Mathematics & Astronomy: Mathematics contained in the Sulbasutra, Weaving Mathematics into Beautiful Poetry- Bhaskaracarya, The Evolution of Sine Function in India, The Discovery of Calculus	06	20%

	by Kerala Astronomers, Vedanga Jyotish & Measuring Time & Calendar.		
4	• Ecology and Environment: Nakshatrara Gyaan and Agriculture, Vernacular Architecture, Forest Management and Urban Planning, Agroforestry, Tank, Lakes, and Stepwells • India's Contribution to the World	**09**	**30%**

Evaluation		
1	Assignments / Quizzes / Class Participation / Role Play/ Project etc	30% (Internal Assessment)
2	Internal Examination	20% (Internal Assessment)
3	External Examination (University Exam)	50% (External Assessment)

Basic Text Books:

Sr. No.	Author/s	Name of the Book	Publisher	Edition
1	R.M. Pujari, Pradeep Kolhe, N. R. Kuma	'Pride of India: A Glimpse into India's Scientific Heritage'	Samskrita Bharati Publication	2006

Reference Books:

Sr. No.	Author/s	Name of the Book	Publisher	Edition
1	Vijnana Bharati	'Indian Contribution to science'	TMH	Latest
2	Kapil Kapoor, Michel Danino	Knowledge traditions and practices of India	CBSE	Latest

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3rd Sem IKS S

Swarrnim School of Computing & IT
BCA (Honors) Programme

BCA Semester III

Course Title: Understanding India

Category of Course	Course Code	Credit	Contact Hours	Internal			External	
				Theory	Continuous Assessment	Practical	Theory	Practical
IKS	IKS230303	2	30	20%	30%	-	50%	-

Course Outcomes (COs)

1. To understand the meaning and important of Indian Knowledge System
2. To identify the Actual foundational concepts for science and technology.
3. To understand the values of Humanities and Social Science.

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Syllabus

Module	Contents	No. of Sessions	Weightage
1	**Introduction to Knowledge** • The Indian Knowledge System- an Overview • The Vedic Corpus • Philosophical System • Wisdom through the Ages	10	34%
2	**Foundational Concepts For Science And Technology** • Linguistics • Number System and Units of Measurement • Knowledge: Frame work and Classification	10	33%
3	**Humanities and Social Science** • Health, Wellness and Psychology • Governance and Administration	10	33%

Basic Text Books:

Sr. No.	Author/s	Name of the Book	Publisher	Edition
1	B.Mahadevan , Vinayak Rajat Bhat Narendra Pavan R.N	Introduction to Indian knowledge system- Concepts-Applications	PHI Learning Private Limited	Latest

Reference Books:

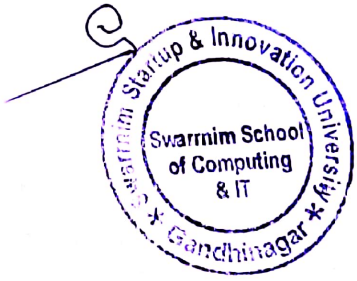
Sr. No.	Author/s	Name of the Book	Publisher	Edition
1	Amit Jha	Traditional Knowledge System In India	Atlantic	Latest
2	Prof. Saroj Sharma	Scientific Basis Of Indian Knowledge System	Shipra Publication	Latest

CO PO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10
CO1	2	3	2	3	3	3	3	2	2	3
CO2	2	2	1	1	3	2	2	3	3	3
CO3	3	3	1	1	2	3	2	3	3	3

Key:

- **3:** Strong alignment (Directly contributes to achieving the PO)
- **2:** Moderate alignment (Contributes to achieving the PO to a lesser extent)
- **1:** Slight alignment (Indirectly contributes to achieving the PO)
- **Blank:** No direct alignment



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Swarrnim Startup & Innovation University
Activity Report 2024

Institute / Department	**Swarrnim School Of Business**
Activity / Event Name	Guest Lecture on Harappa and Mohenjo-daro under Subject Indian Science and Technology
Date of the event	28-10-23
Duration	1:00 pm -4:00 pm
Location	Seminar Hall
Participant's Branch/Institutes	BCA, BSCIT, MCA
Total Number of Participants	35
Full Name of Mentor/Principal with designation	Vikas Chandra Sharma (H.O.D and Associate Professor)
Full Name of Speaker / Guest with designation	Prof. Shweta Kapoor Principal- Department of Design
Faculty Coordinator Details (Name, Designation, Contact Details)	Apeksha Dave Assistant Professor apeksha.dave@swarrnim.edu.in
Student Coordinator Details (If any)	----

Contd...

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Objective of the event:

1. **Historical Understanding**: Provide students with a deeper understanding of the ancient civilizations of Harappa and Mohenjo-daro, including their cultural, social, and technological advancements.
2. **Exploration of Urban Planning**: Explore the urban planning and architectural marvels of Harappa and Mohenjo-daro, highlighting their sophisticated city layouts, drainage systems, and infrastructural developments.
3. **Technological Innovations**: Discuss the technological innovations and advancements achieved by the Harappan civilization, such as the use of standardized weights and measures, metallurgy, pottery, and agricultural practices.
4. **Trade and Commerce**: Examine the trade networks and economic activities of Harappa and Mohenjo-daro, including their role in regional and international trade routes and the exchange of goods and ideas.
5. **Cultural Exchange**: Explore the cultural exchange and interaction between the Harappan civilization and other contemporary civilizations, shedding light on their contributions to art, literature, religion, and social organization.
6. **Comparative Analysis**: Conduct a comparative analysis between the technological achievements of Harappa and Mohenjo-daro and other ancient civilizations, highlighting their unique contributions and legacies to Indian science and technology.
7. **Relevance to Modern Society**: Discuss the relevance of studying Harappa and Mohenjo-daro in the context of modern society, drawing parallels between ancient technological innovations and contemporary practices in urban planning, engineering, and sustainable development.
8. **Critical Thinking and Analysis**: Encourage students to critically analyze primary and secondary sources related to Harappa and Mohenjo-daro, fostering research skills, historical inquiry, and interdisciplinary learning.
9. **Engagement and Discussion**: Facilitate interactive discussions, Q&A sessions, and debates among students to encourage active engagement and deeper understanding of the topics covered in the lecture.
10. **Inspiration for Future Research**: Inspire students to pursue further research and exploration into the fascinating world of ancient Indian civilizations, encouraging them to uncover new insights and perspectives on the contributions of Harappa and Mohenjo-daro to Indian science and technology.

Flow of Event:

1. **Introduction and Welcome**:
   - The lecture begins with a brief introduction by the host, welcoming the guest speaker and the audience.
   - The significance of studying Harappa and Mohenjo-daro in the context of Indian science and technology is highlighted.

2. **Overview of Harappa and Mohenjo-daro**:

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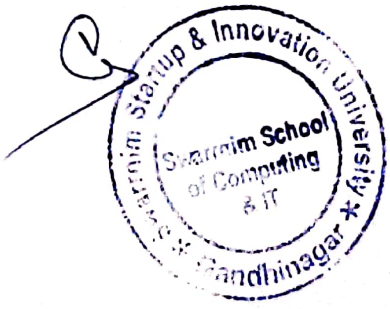
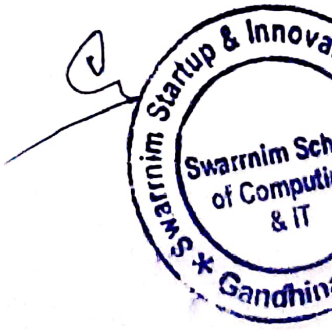
2. **Overview of Harappa and Mohenjo-daro**:
   - The guest speaker provides an overview of the historical background and archaeological significance of Harappa and Mohenjo-daro.
   - Key features of the civilizations, including their locations, time periods, and cultural significance, are introduced.
3. **Technological Innovations and Engineering Feats**:
   - The lecture delves into the technological innovations and engineering feats of Harappa and Mohenjo-daro.
   - Specific advancements such as urban planning, sanitation systems, metallurgy, and craftsmanship are discussed in detail.
4. **Trade and Commerce**:
   - The guest speaker explores the trade networks and economic activities of Harappa and Mohenjo-daro.
   - The role of these civilizations in regional and international trade routes, as well as their contributions to commerce and industry, is examined.
5. **Cultural and Social Aspects**:
   - The lecture addresses the cultural and social aspects of life in Harappa and Mohenjo-daro.
   - Topics may include religious practices, social organization, art, language, and writing systems.
6. **Comparative Analysis**:
   - A comparative analysis is conducted between the technological achievements of Harappa and Mohenjo-daro and other ancient civilizations.
   - Similarities and differences in technological advancements are discussed, highlighting the unique contributions of the Indus Valley civilization.
7. **Relevance to Modern Society**:
   - The lecture explores the relevance of studying Harappa and Mohenjo-daro in the context of modern society.
   - Connections are drawn between ancient technological innovations and contemporary practices in urban planning, engineering, and sustainability.
8. **Question and Answer Session**:
   - The audience is invited to participate in a question and answer session with the guest speaker.
   - Attendees have the opportunity to seek clarification, share insights, and engage in discussions on the topics covered in the lecture.
9. **Closing Remarks**:
   - The lecture concludes with closing remarks from the guest speaker, summarizing key points and insights gained.
   - Attendees are encouraged to further explore the topic through additional reading, research, and study.
10. **Networking and Interaction**:
    - Attendees are encouraged to network and interact with the guest speaker and fellow participants.



- Informal discussions and exchanges of ideas continue, fostering a sense of community and collaboration among attendees.

Significance/Outcome:

1. **Understanding Ancient Technological Advancements**: The lecture provides insight into the technological advancements achieved by the Harappan civilization, showcasing their engineering feats, urban planning, and sophisticated infrastructure. Understanding these achievements sheds light on the scientific and technological prowess of ancient Indian civilizations.
2. **Cultural and Historical Significance**: Harappa and Mohenjo-daro are among the world's earliest urban centers and represent a significant chapter in human history. Exploring their technological innovations and cultural practices helps participants appreciate the rich heritage and contributions of ancient Indian civilizations to global civilization.
3. **Insight into Early Urbanization and Civilization**: Studying Harappa and Mohenjo-daro offers insights into early urbanization and the development of complex societies in the Indian subcontinent. Participants gain a deeper understanding of the socio-economic, political, and cultural dynamics of ancient Indian civilizations, laying the foundation for further exploration.
4. **Relevance to Modern Engineering and Urban Planning**: Many of the technological innovations and urban planning principles observed in Harappa and Mohenjo-daro have relevance to contemporary engineering and urban planning practices. By examining these ancient civilizations, participants can draw parallels and gain inspiration for modern-day sustainable development initiatives.
5. **Promotion of Interdisciplinary Learning**: The lecture encourages interdisciplinary learning by bridging the fields of history, archaeology, anthropology, and technology. Participants are exposed to diverse perspectives and methodologies, fostering a holistic understanding of the complexities of ancient civilizations and their technological achievements.
6. **Inspiration for Research and Innovation**: Learning about the technological advancements of Harappa and Mohenjo-daro may inspire participants to pursue further research and innovation in related fields. The lecture stimulates curiosity and intellectua inquiry, motivating participants to explore new ideas and avenues for scholarly investigation.
7. **Cultural Heritage Preservation**: Understanding and appreciating the technological achievements of ancient Indian civilizations can contribute to the preservation and conservation of cultural heritage sites such as Harappa and Mohenjo-daro. By raising awareness about the significance of these sites, the lecture promotes efforts to safeguard them for future generations.
8. **Enhancement of National Identity and Pride**: Studying the scientific and technological accomplishments of ancient Indian civilizations contributes to the enhancement of national identity and pride. Participants gain a sense of pride in India



rich cultural heritage and its enduring contributions to science, technology, and civilization.

Conclusion

In conclusion, the Guest Lecture on Harappa and Mohenjo-daro under the subject of Indian Science and Technology has provided a comprehensive exploration of the technological advancements, cultural significance, and historical legacy of these ancient civilizations. Through this lecture, participants have gained valuable insights into the following key areas:

1. **Technological Achievements**: Participants have learned about the remarkable technological innovations and engineering feats of Harappa and Mohenjo-daro, including their sophisticated urban planning, advanced drainage systems, and skilled craftsmanship. These achievements highlight the scientific ingenuity and engineering prowess of ancient Indian civilizations.
2. **Cultural and Historical Context**: The lecture has situated the technological advancements of Harappa and Mohenjo-daro within their broader cultural and historical context. Participants have gained a deeper understanding of the socio-economic, political, and cultural dynamics that shaped these ancient civilizations, illuminating the complexities of early urbanization and civilization in the Indian subcontinent.
3. **Relevance to Modern Society**: By drawing parallels between ancient technological innovations and contemporary practices in engineering, urban planning, and sustainability, the lecture has highlighted the relevance of studying Harappa and Mohenjo-daro in the context of modern society. Participants have gained insights into how lessons from the past can inform present-day efforts to address pressing challenges such as urbanization, infrastructure development, and environmental sustainability.
4. **Interdisciplinary Learning**: The lecture has fostered interdisciplinary learning by integrating insights from history, archaeology, anthropology, and technology. Participants have been exposed to diverse perspectives and methodologies, enriching their understanding of the complexities of ancient civilizations and their technological achievements.
5. **Inspiration for Research and Innovation**: By showcasing the ingenuity and creativity of ancient Indian civilizations, the lecture has inspired participants to pursue further research and innovation in related fields. Participants have been encouraged to explore new ideas and avenues for scholarly investigation, contributing to the ongoing study and appreciation of India's rich cultural heritage.
6. **Cultural Heritage Preservation**: The lecture has raised awareness about the significance of preserving and conserving cultural heritage sites such as Harappa and Mohenjo-daro. Participants have gained an appreciation for the importance of
7.

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safeguarding these sites for future generations, ensuring that their legacy continues to be celebrated and studied.

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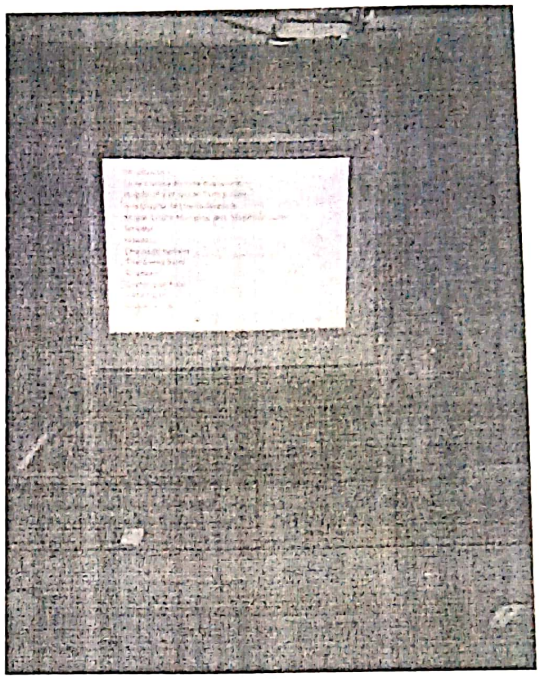

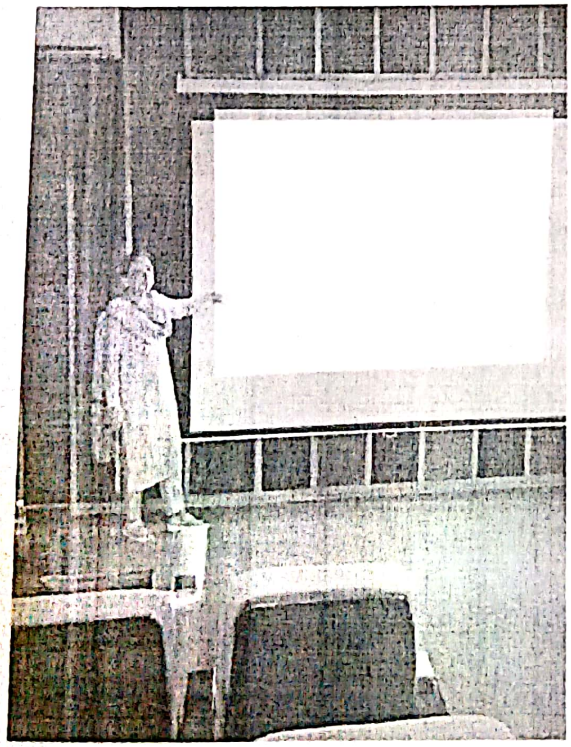

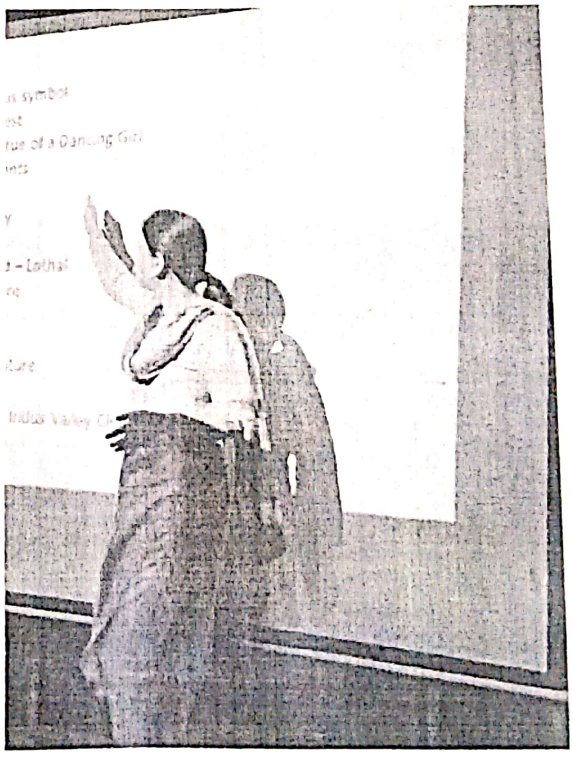

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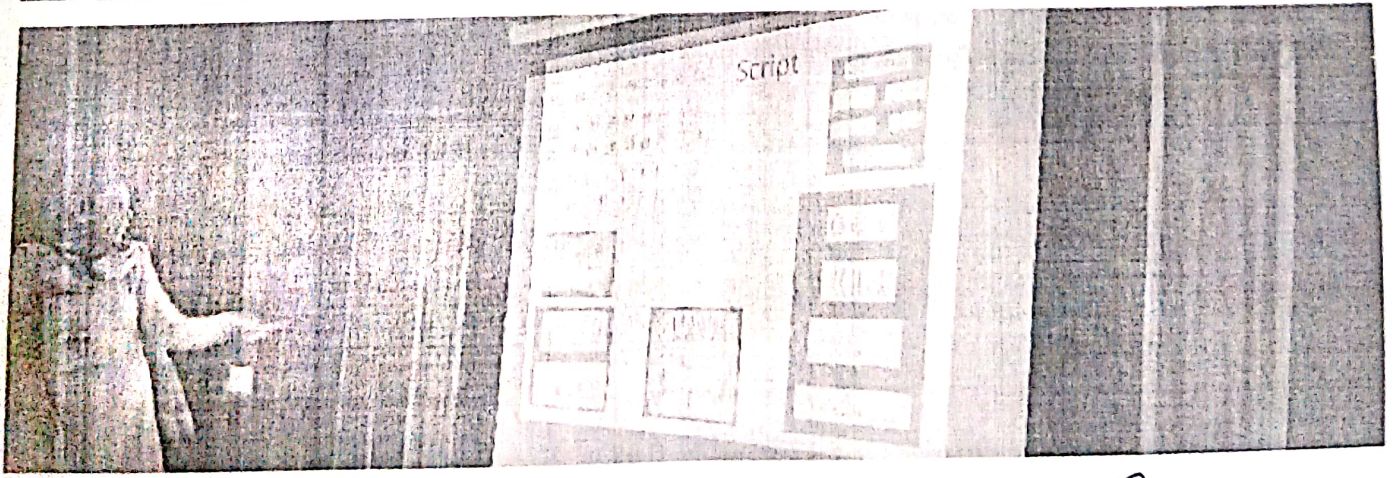

Expert Lecture

Swarrnim Startup & Innovation University
Activity Report 2024

Institute / Department	Swarrnim School Of Computing & IT
Activity / Event Name	Session on Vedic Mathematics
Date of the event	01-12-23
Duration	2:00 pm - 4:00 pm
Location	Seminar Hall
Participant's Branch/Institutes	B.C.A & B.SCIT Ist Year Students
Total Number of Participants	25
Full Name of Mentor/Principal with designation	Vikas Chandra Sharma (H.O.D and Associate Professor)
Full Name of Speaker / Guest / Judge with designation	Dr. Leena Patekar
Faculty Coordinator Details (Name, Designation, Contact Details)	Apeksha Dave apeksha.dave@swarrnim.edu.in
Student Coordinator Details (If any)	Pooja Kaswan

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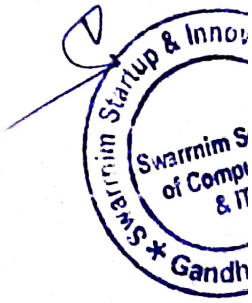
Objective of the event:

1. **Introduction to Vedic Mathematics**: Introduce students to the history, origin, and significance of Vedic mathematics, highlighting its roots in ancient Indian texts like the Vedas and its relevance in modern times.
2. **Speed and Accuracy**: Emphasize how Vedic mathematics can improve students' speed and accuracy in mathematical calculations, making them more efficient in various mathematical operations like addition, subtraction, multiplication, and division.
3. **Mental Math Skills**: Develop students' mental math skills by teaching them Vedic techniques such as sutras (aphorisms) and sub-sutras, which enable rapid mental calculations.
4. **Problem-Solving Strategies**: Teach students problem-solving strategies based on Vedic mathematics principles, enabling them to approach mathematical problems in a structured and systematic manner.
5. **Application in Daily Life**: Illustrate practical applications of Vedic mathematics in daily life scenarios, such as calculating tips, discounts, and percentages mentally, thereby emphasizing its relevance beyond the classroom.
6. **Enhancing Confidence**: Boost students' confidence in their mathematical abilities by demonstrating how Vedic mathematics simplifies complex calculations and empowers them to tackle mathematical challenges with ease.
7. **Cultural Appreciation**: Foster an appreciation for Indian culture and heritage by exploring the mathematical contributions of ancient Indian scholars and the philosophical underpinnings of Vedic mathematics.
8. **Interactive Learning**: Engage students in interactive learning activities, such as solving puzzles, playing games, and participating in group discussions, to reinforce their understanding of Vedic mathematics concepts.
9. **Critical Thinking**: Encourage critical thinking by challenging students to explore the rationale behind Vedic mathematics techniques and analyze how they compare to conventional methods.
10. **Promoting Creativity**: Inspire creativity by encouraging students to explore alternative approaches to problem-solving using Vedic mathematics principles, fostering a mindse of innovation and experimentation.

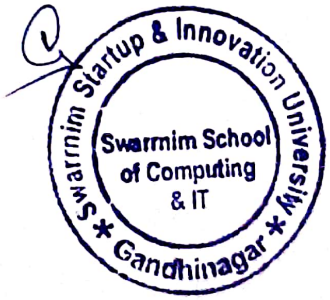
Flow of Event:

1. **Introduction (10 minutes)**:
   - Welcome the students and introduce the topic of Vedic mathematics.
   - Briefly explain the history and significance of Vedic mathematics.



Set the objectives for the session.

2. **Icebreaker Activity (10 minutes)**:
   - Conduct a fun icebreaker activity to engage students and get them excited about learning Vedic mathematics.
   - For example, you could start with a quick mental math challenge using Vedic techniques.
3. **Overview of Vedic Mathematics (15 minutes)**:
   - Provide an overview of the key principles and concepts of Vedic mathematics.
   - Discuss the sixteen sutras (aphorisms) and their applications in various mathematical operations.
   - Explain the importance of mental math and how Vedic mathematics can improve calculation speed and accuracy.
4. **Demonstration of Techniques (20 minutes)**:
   - Demonstrate a few Vedic mathematics techniques for addition, subtraction, multiplication, and division.
   - Walk through examples and show how these techniques can simplify complex calculations.
   - Encourage students to ask questions and participate in the demonstration.
5. **Hands-on Practice (20 minutes)**:
   - Divide the students into small groups or pairs.
   - Provide worksheets or exercises for students to practice applying Vedic mathematics techniques.
   - Circulate among the groups to provide assistance and guidance as needed.
6. **Application in Real Life (10 minutes)**:
   - Discuss practical applications of Vedic mathematics in daily life, such as calculating tips, discounts, and percentages.
   - Show examples of how Vedic techniques can be used to solve real-world problems efficiently.
7. **Interactive Activity (15 minutes)**:
   - Engage students in an interactive activity, such as a math game or puzzle, that incorporates Vedic mathematics principles.
   - Encourage teamwork and problem-solving skills.
8. **Reflection and Discussion (10 minutes)**:
   - Lead a reflection session where students share their thoughts and experiences with learning Vedic mathematics.
   - Facilitate a discussion on the benefits and challenges of using Vedic techniques compared to conventional methods.
9. **Conclusion (5 minutes)**:
   - Summarize the key points covered during the session.
   - Reinforce the importance of practicing Vedic mathematics techniques to improve mathematical skills.



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- Thank the students for their participation and encourage them to continue exploring Vedic mathematics on their own.

10. **Follow-up (optional)**:
    - Provide resources or additional exercises for students to continue practicing Vedic mathematics techniques.
    - Offer opportunities for further learning, such as workshops or online resources, for students who are interested in delving deeper into the topic.

Significance/Outcome:

1. **Enhanced Mental Math Skills**: Vedic mathematics provides students with efficient mental math techniques, enabling them to perform calculations quickly and accurately without relying on calculators or written methods. This skill is valuable in various academic subjects and real-life situations.
2. **Improved Problem-Solving Abilities**: By learning Vedic mathematics techniques, students develop a deeper understanding of mathematical concepts and gain alternative problem-solving strategies. They become adept at breaking down complex problems into simpler steps, fostering critical thinking and analytical skills.
3. **Increased Confidence in Math**: Mastering Vedic mathematics techniques boosts students' confidence in their mathematical abilities. They feel more comfortable tackling mathematical challenges and are less intimidated by complex calculations, leading to greater engagement and success in math-related tasks.
4. **Relevance Beyond the Classroom**: Vedic mathematics is not only a mathematical tool but also a practical skill with applications in various aspects of daily life. Students learn how to apply these techniques in situations such as budgeting, shopping, and time management, enhancing their overall numeracy skills.
5. **Cultural Appreciation**: Exploring Vedic mathematics exposes students to the rich cultural heritage of ancient India. They gain an appreciation for the intellectual contributions of Indian scholars and the interconnectedness of mathematics with different cultures and traditions.
6. **Preparation for Competitive Exams**: Many competitive exams, including standardized tests and entrance exams for higher education, often have time constraints. Proficiency in Vedic mathematics equips students with the speed and accuracy needed to excel in these exams, giving them a competitive edge.
7. **Promotion of Lifelong Learning**: Learning Vedic mathematics fosters a growth mindset and a passion for lifelong learning. Students develop a curiosity to explore alternative approaches to problem-solving and are more open to experimenting with new ideas and techniques in mathematics and beyond.
8. **Cross-Curricular Connections**: Vedic mathematics principles can be integrated into various subjects beyond mathematics, such as physics, chemistry, and computer science. Students learn to make connections between different disciplines, enhancing their interdisciplinary understanding and problem-solving abilities.
9. **Accessibility and Inclusivity**: Vedic mathematics offers alternative methods of calculation that may be more accessible to students with diverse learning styles or

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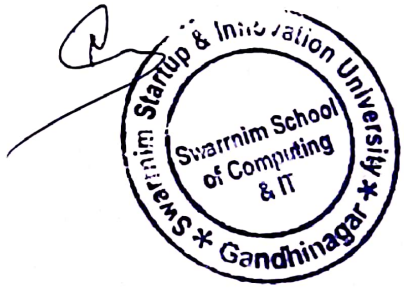
those who struggle with traditional math approaches. It provides a pathway for all students to succeed in mathematics regardless of their background or ability level.

Conclusion

1. **Enhanced Mathematical Skills**: Students have developed enhanced mental math skills, learning techniques that enable them to perform calculations swiftly and accurately. They have discovered new approaches to problem-solving, fostering critical thinking and analytical abilities.
2. **Confidence and Empowerment**: Through mastering Vedic mathematics techniques, students have gained confidence in their mathematical abilities. They now feel empowered to tackle mathematical challenges with ease and are less intimidated by complex calculations.
3. **Practical Applications**: Students have explored the practical applications of Vedic mathematics in daily life, from budgeting and shopping to time management and competitive exams. They understand how these techniques can be applied beyond the classroom, enhancing their overall numeracy skills.
4. **Cultural Appreciation**: The session has provided students with a deeper appreciation for the cultural heritage of ancient India and the contributions of Indian scholars to the field of mathematics. They recognize the interconnectedness of mathematics with different cultures and traditions.
5. **Preparation for the Future**: Students are better prepared for future academic and professional endeavors, equipped with valuable skills that are highly sought after in today's fast-paced world. They understand the importance of continuous learning and are ready to apply their newfound knowledge in various contexts.



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Swarrnim Startup & Innovation University
Activity Report 2024-25

Institute / Department	**Swarrnim School of Computing & IT**
Activity / Event Name	Educational Field Trip : Rani Ki Vav, Adalaj
Date of the event	17/10/2024
Duration	Full Day
Location	Rani Ki Vav, Adalaj
Participant's Branch/Institutes	BCA, BSC-IT
Total Number of Participants	100
Full Name of Mentor	Vikas Chandra Sharma
Full Name of Speaker / Guest with designation	-
Faculty Coordinator Details (Name, Designation, Contact Details)	Vikas Chandra Sharma , HoD and Associate Professor , Meet Kumar Thakkar (Assistant Professor), Deepti Priyadarshini(Assistant Professor),
Student Coordinator Details (If any)	Tejasveer Kaur (BCA 1st Semester) and Shreya Shetty (B.Sc.-IT 1st Semester)

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Objectives of the Event

- To provide students with experiential learning beyond classroom boundaries.
- To help students connect theoretical concepts of Indian science and technology with real-world historical applications.
- To cultivate appreciation for India's rich cultural and architectural heritage.
- To align education with the NEP 2020 emphasis on holistic, multidisciplinary learning.
- To encourage critical thinking and observation through exposure to ancient engineering marvels.

Significant Outcomes

- Students gained first-hand insights into ancient Indian architecture, water conservation techniques, and stepwell engineering.
- The trip reinforced classroom learning related to ancient science and technology in a memorable and engaging way.
- It encouraged dialogue among students and faculty about the evolution of scientific thought in India.
- Enhanced student appreciation for heritage preservation and sustainable design practices from the past.
- Created a sense of pride and connection to India's rich scientific legacy.

Flow of the Event

1. **Departure from Campus:**
   - Students gathered at the university in the morning and traveled by bus under faculty supervision.
2. **Arrival at Rani Ki Vav:**
   - Upon arrival, students were given a brief historical background and importance of the site.
3. **Guided Tour:**
   - A guided walkthrough of Rani Ki Vav highlighted its intricate carvings, stepwell design, and water storage techniques.

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- Faculty discussed relevant technological and scientific aspects related to the subject "Indian Science and Technology."

4. **Interactive Learning:**
   - Students asked questions, took notes, and participated in on-spot reflections.
   - Faculty encouraged connections between textbook theory and the heritage site's real-world examples.
5. **Photography & Observation:**
   - Students documented their experience through photography and sketches for a later report or presentation.
6. **Return and Feedback:**
   - Students returned to the university by evening and shared brief feedback on their learnings and experiences.

Conclusion

The educational field trip to Rani Ki Vav was a meaningful and enriching experience for the students of SSCIT. It successfully met its educational objectives by merging academic learning with cultural exploration. Students returned with enhanced understanding, a sense of curiosity, and deeper respect for India's historical contributions to science and technology.

Such experiential learning opportunities, guided by the NEP framework, continue to empower students with knowledge that is both relevant and rooted in Indian heritage. We express our sincere gratitude to the university leadership—President Sir, Vice President Sir, Provost Sir, and Dean Academics Ma'am—for their unwavering support and vision in organizing such impactful initiatives.

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Exciting Educational Visit to HSSF 2025!

On 24-Jan-2025 SSCIT and SMCLA successfully organized a one-day visit to the prestigious Hindu Spiritual and Services (HSS) Fair 2025 at Ahmedabad. The event was specially coordinated by Dr. Shashikant Bhagat, HoD of Liberal Arts, whose efforts ensured a seamless and enriching experience. Our heartfelt gratitude to him for his invaluable support.

Special thanks to Shivam Ojha, our Lab Assistant, for assisting during the visit and contributing to its success.

This visit was organized under the NEP subject - Understanding India (Indian Knowledge System) and witnessed active participation from 50 students across BCA, B.Sc-IT, BBA, and B.Tech programs.

We extend our deepest gratitude to President Sir, Vice President Sir, Provost Sir, and Dean Academics Ma'am for their visionary leadership and continuous encouragement in fostering such student-centric initiatives.

Today's visit is proved to be truly an incredible journey towards knowledge and innovation!

Regards

Vikas Chandra Sharma

HoD-SSCIT

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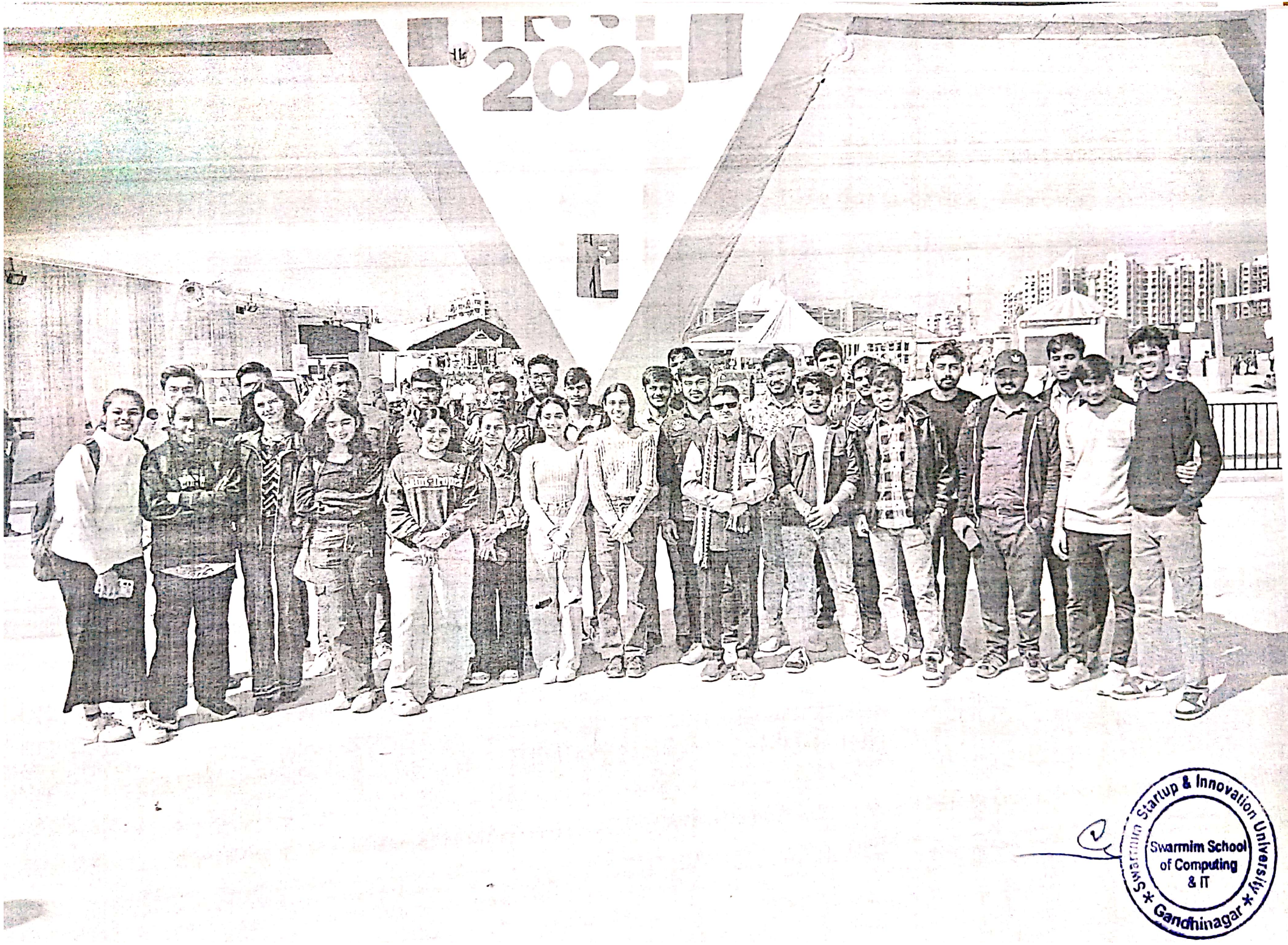

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प्रशिक्षण

प्रशिक्षणं स्याच्च सदा प्रयुक्तं
संज्ञानकौशल्यविकासहेतौ ।

National Conference on
Indian Knowledge System for
ELEVATING LEARNING
(Urdhvagami Adhyayan)

मंगलवार, फाल्गुन, शुक्ल पक्ष द्वादशी, विक्रम संवत - २०८१

11th March 2025, Tuesday

Organised by

Dr. Babasaheb Ambedkar Open University, Ahmedabad

School of Education, Distance Education and Educational Technology (SoE)

In Association with

Bharatiya Shikshan Mandal || Global Educational Research Association

TENTATIVE SCHEDULE

Sr.No	Time	Programme
1	8.30 am to 9.45 am	Welcome Tea and Registration
2	10.00 am to 11.00 am	Inauguration
3	11.05 am to 11.35 am	Keynote Address
4	11.45 am to 12.45 pm	Plenary Session
5	12.45 pm to 1.30 pm	Lunch
6	1.35 pm to 2.45 pm	Paper Presentations in The Parallel Session -1
7	3.00 pm to 4.15 pm	Paper Presentations in The Parallel Session -2
8	4.20 pm to 4.40 pm	High Tea
9	5.00 pm Onwards	Valedictory - Certificates Distribution

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NAAC ACCREDITED A++ | CATEGORY UNIVERSITY 1 by UGC | 3 nirf | 12(B) status by UGC | GERA

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प्रशिक्षणं स्याच्च सदा प्रयुक्तं
संज्ञानकौशल्यविकासहेतौ ।

Certificate

National Conference

Indian Knowledge System for ELEVATING LEARNING

(Urdhavagami Adhyayan)

Certificate of Appreciation

We are honored to issue this certificate to Shri DR. VIKAS CHANDRA SHARMA who has contributed as a CHAIRPERSON in the *National Conference on Indian Knowledge System for Elevating Learning (Urdhavagami Adhyayan)*, organized by **Dr. Babasaheb Ambedkar Open University, Ahmedabad**, in association with **Bharatiya Shikshan Mandal** and **Global Educational Research Association** on **11th March 2025**, at **Dr. Babasaheb Ambedkar Open University, Ahmedabad, Gujarat.** On behalf of the organizers, we sincerely appreciate your valuable contribution in making the conference a great success.

Dr. A.K. Jadeja
Registrar

Prof. (Dr.) Ajitsinh Rana
Professor & Director (SOE)
'Prashikshan' Convener, BAOU

Swarrnim Startup & Innovation University * Gandhinagar * Swarrnim School of Computing & IT

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संज्ञानकौशल्यविकासहेतवे ।

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On behalf of the organizers, we sincerely appreciate and congratulate Shri DR.VIKAS CHANDRA SHARMA from SWARRNIM STARTUP & INNOVATION UNIVERSITY, GANDHINAGAR who has presented a paper on The Role of AI and ICT in Empowering Educators and Learners Beyond Conventional Classrooms in the *National Conference on Indian Knowledge System for Elevating Learning (Urdhavagami Adhyayan)*, organized by **Dr. Babasaheb Ambedkar Open University, Ahmedabad,** in association with **Bharatiya Shikshan Mandal** and **Global Educational Research Association,** held on **11th March 2025,** at **Dr. Babasaheb Ambedkar Open University, Ahmedabad, Gujarat.**

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Dr. Leena Patekar Associate Professor & HOD <hod.

Invitation to D
IKS syllabus

Invitation for Online Meeting on IKS Curriculum Development – March 5, 2025

2 messages

nep2 kcg <nep2-kcg@gujgov.edu.in> Mon, Mar 3, 2025 at 4:07 PM
To: "dyr.acd@knu.edu.in" <dyr.acd@knu.edu.in>, "subhashbrahmabhatt@gmail.com" <subhashbrahmabhatt@gmail.com>, "principalnmhc@spu.ac.in" <principalnmhc@spu.ac.in>, "navnit.chothan@vvwusurat.ac.in" <navnit.chothan@vvwusurat.ac.in>, "hod.general@swarrnim.edu.in" <hod.general@swarrnim.edu.in>, "director_sast@gtu.edu.in" <director_sast@gtu.edu.in>, "vc@gandhinagaruni.ac.in" <vc@gandhinagaruni.ac.in>, "anupamam@itmvu.in" <anupamam@itmvu.in>, "nimesh.joshi@aurouniversity.edu.in" <nimesh.joshi@aurouniversity.edu.in>, "dmech.hod@atmiyauni.ac.in" <dmech.hod@atmiyauni.ac.in>, "amitkumar.monpurwala.foet@monarkuni.ac.in" <amitkumar.monpurwala.foet@monarkuni.ac.in>, "iks@gmiu.edu" <iks@gmiu.edu>, "nehaldave@lyu.ac.in" <nehaldave@lyu.ac.in>, "Devanshdesai.sci@silveroakuni.ac.in" <Devanshdesai.sci@silveroakuni.ac.in>, "rajeshchauhan@cugujarat.ac.in" <rajeshchauhan@cugujarat.ac.in>, "sekhar.mukherjee@anu.edu.in" <sekhar.mukherjee@anu.edu.in>, "dileepkumar@iitram.ac.in" <dileepkumar@iitram.ac.in>, "pravinjadhav@iitram.ac.in" <pravinjadhav@iitram.ac.in>, "rutuparmar58@gmail.com" <rutuparmar58@gmail.com>, "prem.lalchandani@dsuni.ac.in" <prem.lalchandani@dsuni.ac.in>, "jyotivasavada27@gmail.com" <jyotivasavada27@gmail.com>, "sapna.patel-padra@msubaroda.ac.in" <sapna.patel-padra@msubaroda.ac.in>, "dhanesh.patel-FTE@msubaroda.ac.in" <dhanesh.patel-FTE@msubaroda.ac.in>, "michelleganeshani@gmail.com" <michelleganeshani@gmail.com>, "vinod.majirana@baou.edu.in" <vinod.majirana@baou.edu.in>, "Rakhi.jain@baou.edu.in" <Rakhi.jain@baou.edu.in>, "sonalmalhotra07@gmail.com" <sonalmalhotra07@gmail.com>, "krunalkansara20@gmail.com" <krunalkansara20@gmail.com>, "bmmodi@vnsgu.ac.in" <bmmodi@vnsgu.ac.in>, "srj@amrolicollege.com" <srj@amrolicollege.com>, "ermala.dayal@gmail.com" <ermala.dayal@gmail.com>, "hetaxivariya@gmail.com" <hetaxivariya@gmail.com>, "Sonalbgohil530@gmail.com" <Sonalbgohil530@gmail.com>, "vedantvp@gmail.com" <vedantvp@gmail.com>, "mpdey@vnsgu.ac.in" <mpdey@vnsgu.ac.in>, "gknanda1965@gmail.com" <gknanda1965@gmail.com>, "dr.aca@kpgu.ac.in" <dr.aca@kpgu.ac.in>, "dean.uslm@karnavatiuniversity.edu.in" <dean.uslm@karnavatiuniversity.edu.in>, "himanshuparcha@karnavatiuniversity.edu.in" <himanshuparcha@karnavatiuniversity.edu.in>, "vipul.banker@raiuniversity.edu" <vipul.banker@raiuniversity.edu>, "registrar@sarvajanikuniversity.ac.in" <registrar@sarvajanikuniversity.ac.in>, "ram@indusuni.ac.in" <ram@indusuni.ac.in>, "divyas@iite.ac.in" <divyas@iite.ac.in>, "shakanishk@gmail.com" <shakanishk@gmail.com>, "deancommerce@swaminarayanuniversity.ac.in" <deancommerce@swaminarayanuniversity.ac.in>, "academicdirector@lokbharatiuniversity.edu.in" "director.nep@paruluniversity.ac.in" <director.nep@paruluniversity.ac.in>, "najma.pathan@cvmu.edu.in" <najma.pathan@cvmu.edu.in>, <academicdirector@lokbharatiuniversity.edu.in>, "hariharanaarathi9@gmail.com" <hariharanaarathi9@gmail.com>, "iks@daiict.ac.in" <iks@daiict.ac.in>, "amyusufzai@mkbhavuni.edu.in" <amyusufzai@mkbhavuni.edu.in>, "vedantvp@mkbhavuni.edu.in" <vedantvp@mkbhavuni.edu.in>, "smridhee2000@yahoo.co.in" <smridhee2000@yahoo.co.in>, "drdeepakpatel72@gmail.com" <drdeepakpatel72@gmail.com>, "sssu.veraval@gmail.com" <sssu.veraval@gmail.com> "urmil@shreyarthuni.ac.in" <urmil@shreyarthuni.ac.in>, "snransariya@sggu.ac.in" <snransariya@sggu.ac.in>, "Urmi.Satyan@sot.pdpu.ac.in" <Urmi.Satyan@sot.pdpu.ac.in>, "firozjunagadh@bknmu.edu.in" <firozjunagadh@bknmu.edu.in>
Cc: "commi-highedu@gujarat.gov.in" <commi-highedu@gujarat.gov.in>, "registrar@knuniversity.in" <registrar@knuniversity.in>, "registrar@spu.ac.in" <registrar@spu.ac.in>, "registrar@swarrnim.edu.in" <registrar@swarrnim.edu.in>, "registrar@gtu.ac.in" <registrar@gtu.ac.in>, "registrar@gandhinagaruni.ac.in" <registrar@gandhinagaruni.ac.in>, "kartikdvjain@gmail.com" <kartikdvjain@gmail.com>, "registrar@vvwusurat.ac.in" <registrar@vvwusurat.ac.in>, "office@vvwusurat.ac.in" <office@vvwusurat.ac.in>, "registrar@itmvu.in" <registrar@itmvu.in>, "dracademics@itmvu.in" <dracademics@itmvu.in>, "registrar@dsuni.ac.in" <registrar@dsuni.ac.in>, registrar <registrar@msubaroda.ac.in>, "registrar@baou.edu.in" <registrar@baou.edu.in> "ajaysinh.jadeja@baou.edu.in" <ajaysinh.jadeja@baou.edu.in>, Registrar <registrar@gujaratuniversity.ac.in>, "registraroffice@aurouniversity.edu.in" <registraroffice@aurouniversity.edu.in>, "registrar@aurouniversity.edu.in" <registrar@aurouniversity.edu.in>, "registrar@atmiyauni.ac.in" <registrar@atmiyauni.ac.in>, "dy.registrar@atmiyauni.ac.in" <dy.registrar@atmiyauni.ac.in>, "registrar@monarkuni.ac.in" <registrar@monarku "registrar@gmiu.edu.in" <registrar@gmiu.edu.in>, "registrar@iitram.ac.in" <registrar@iitram.ac.in>, "office@iitra <office@iitram.ac.in>, "registrar@lyu.ac.in" <registrar@lyu.ac.in>, "phd@lyu.ac.in" <phd@lyu.ac.in>, "registrar@silveroakuni.ac.in" <registrar@silveroakuni.ac.in>, "info@silveroakuni.ac.in" <info@silveroakuni.ac.i "registrar@cugujarat.ac.in" <registrar@cugujarat.ac.in>, "academicbranch@cugujarat.ac.in" <academicbranch@cugujarat.ac.in>, "registrar@anu.edu.in" <registrar@anu.edu.in>, "preeth.padmanabhan@ <preeth.padmanabhan@anu.edu.in>, "registrar_spu@spuvvn.edu" <registrar_spu@spuvvn.edu>, registrar@kp <registrar@vnsgu.ac.in>, Registrar <registrar@kpgu.edu.in>, "patoregistrar@kpgu.edu.in" <patoregistrar@kpgu.edu.in> "registrar@karnavatiuniversity.edu.in" <registrar@karnavatiuniversity.edu.in>, "registrar@raiuniversity.edu" <registrar@raiuniversity.edu>, "registrar@sarvajanikuniversity.ac.in" <registrar@sarvajanikuniversity.ac.in> "admin@sarvajanikuniversity.ac.in" <admin@sarvajanikuniversity.ac.in>, "registrar@indusuni.ac.in" <registrar@indusuni.ac.in>, registrar <registrar@iite.ac.in>, "registrar.kskvku" <registrar.kskvku@gmail.com> "gmbutani@gmail.com" <gmbutani@gmail.com>, "registrar@swaminarayanuniversity.ac.in"

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શ્રીમાન,

આપને જણાવતા આનંદ થાય છે કે IKS અભ્યાસક્રમ બનાવવાની કામગીરી હાલમાં પ્રગતી હેઠળ છે. તા:૧૩/૦૧/૨૦૨૫ના રોજ આયોજીત કરવામાં આવેલ પ્રથમ મિટિંગમાં અભ્યાસક્રમ બનાવવા અંગેના પાયાની રચના કરવામાં આવેલ હતી અને તા:03/02/૨૦૨૫ના રોજની બીજી મિટિંગમાં યુનિવર્સિટીઓની સત્તાવાર સંમતિ સાથે વિષય વિતરણની કામગીરી પૂર્ણ કરવામાં આવેલ હતી.

હાલમાં અભ્યાસક્રમ બનાવવાની પ્રક્રિયા ચાલુ હોવાથી, તે અંગેની પ્રગતિની સમીક્ષા કરવા માટે તા:૦૫/૦૩/૨૦૨૫નાં રોજ ઓનલાઈન મિટિંગનું આયોજન કરવામાં આવેલ છે. આ મિટિંગ લગભગ ૩૦ મિનિટની રહેશે અને ઓનલાઈન મિટીંગ દરમ્યાન નીચેના મુદ્દાઓ પર ધ્યાન કેન્દ્રિત કરવામાં આવશે:

- દરેક યુનિવર્સિટી તરફથી પ્રગતિ અંગેનો અહેવાલ
- અભ્યાસક્રમ વિકાસ પ્રક્રિયા પર ચર્ચા
- કાર્યાન્વયન દરમિયાન આવતા પ્રશ્નો કે પડકારોનો ઉકેલ

આમ, ઉક્ત મિટીંગમાં આપશ્રીની યુનિવર્સિટીના તમામ નોડલ અધિકારીશ્રીઓ, IKS કો-ઓર્ડિનેટરશ્રીએ અને વિષય નિષ્ણાંતો અચૂકપણે હજાર રહે તે મુજબની વ્યવસ્થા કરવા જણાવવામાં આવે છે. દરે યુનિવર્સિટીમાંથી ઓછામાં ઓછા એક પ્રતિનિધિની હાજરી સુનિશ્ચિત કરવી જરૂરી છે. આ પત્ર સાથે, યૂનિવર્સિટીએ અને તેમને એલોટ કરવામાં આવેલ વિષયની યાદી જોડેલ છે.

તે ઉપરાંત, દસ્તાવેજોની ફિઝીકલ સમીક્ષા કરવા માટે તા:૧૫/૦૩/૨૦૨૫ થી તા:૨૦/૦૩/૨૦૨ દરમ્યાન ઈન-પર્સન મિટીંગનું આયોજન કરવામાં આવશે. ઉક્ત કામગીરી સફળતાપૂર્વક પૂર્ણ થઈ શકે તે મ આપશ્રીની સક્રિય ભાગીદારી અને સૂચનો અત્યંત મહત્વપૂર્ણ છે.

આભાર સહ,

ડૉ. સાગર દવે
ઓ.એસ.ડી. (NEP),
કેસીજી, અમદાવાદ

Swarrnim Start up & Innovation University
Swarrnim School of Computing & IT
Gandhinagar

Meeting Link: https://teams.microsoft.com/l/meetup-join/19%3ameeting_Y2ZjZDYwNzAtMWM4ZC00MDBiLTlhOGQtNmMyMDBlNml4YWYy%40thread.v2/0?context=%7b%22Tid%22%3a%227cfa175f-9db1-4312-9024-30d27fbf321f%22%2c%22Oid%22%3a%221afa7bc4-e750-4ead-9cf6-a02c956c9a85%22%

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2 attachments

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University-wise IKS Subject Allocations.pdf
482K

Dr. Leena Patekar Associate Professor & HOD <hod.general@swarrnim.edu.in> Tue, Mar 4, 2025 at 9:18 PM
To: Leena Kawane <leena.kawane@gmail.com>

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2 attachments

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482K

Swarrnim Startup & Innovation University
Swarrnim School of Computing & IT
Gandhinagar

University-wise IKS Subject Allocation

Sr. No.	Name of University	Subjects
1.	Sardar Patel University	Social Work
		Political Science
		B. Com (Economics)
		Biochemistry
2.	Karnavati University	Sociology
		Philosophy
		Journalism & Mass Communication
3.	Maganbhai Adenwala Mahagujarat University	Food & Nutrition
		Physical Education, sports & yoga
		Fundamental of Ayurvedic
4.	Shri Govind Guru University	English
		Gujarati
		B. Com (Business Management)
		B. Com (Accounting)
		B. Com (Finance)
5.	Maharaja Krishnakumarsinhji Bhavnagar University	B.A. Economic
		B. Com (Finance & Accounts)
6.	The Maharaja Sayajirao University of Baroda	Geology
		Fine Arts (Sculpture)
		Sociology
		Hindi
		Journalism & Mass Communication
		Social Work
		BBA (Global Business Management)
7.	Lakulish Yoga University	Sanskrit
		Psychology
		Philosophy
		Yoga & Sports
8.	Atmiya University	Microbiology
		Ancient Indian Science & Technology
		Holistic Health Care with Yoga and Ayurveda
9.	Charutar Vidya Mandal University	English
10.	Institute of Infrastructure, Technology, Research And Management	Sociology
		Economics
		English
		Philosophy
		BBA (Global Business Management)
		BBA (International Business)
11.	Dr. Subhash University	IT
		Mathematics
12.	Swarrnim Startup & Innovation University	Mathematics

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IKS BCA
Syllabus Allocation

Sr. No.	Name of University	Subjects
		BCA
13.	Gandhinagar University	Chemistry
14.	Rai University	B. Com (Accounting)
		BBA (Marketing)
		Clothing & Textile
		Interior Design
		Microbiology
		Chemistry
		Cyber Security
		Data Science
15.	Saurashtra University	Home Science (Food and Nutrition, Clothing and Textiles, Human Development and Family Studies, Resource Management, Extension and Communication)
		Gujarati
		Statistics
		Biotechnology
		Hindi
16.	Parul University	Clothing & Textile
17.	Gyanmanjari Innovative University	Sanskrit
18.	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar	History
19.	Shreyarth University	Journalism & Mass Communication
20.	ITM Vocational University	Indian Ethics in Engineering
		Organic chemistry in Tradition Indian Medicine
		Indian Governance System
21.	Krantiguru Shyamji Krishna Verma Kachchh University	Yoga & Sports
22.	Gujarat Technological University	Biotechnology
		Microbiology
		Environmental Science
23.	Vanita Vishram Women's University	Commerce
		Management Studies
		Psychology
		English
		Gujarati
		Hindi
		Chemistry
		Biotechnology
		Microbiology
		Food & Nutrition

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Swarrnim Startup & Innovation University
Swarrnim School of Computing & IT

Sr. No.	Name of University	Subjects
		Computer Science
		Information Technology
		Fashion Designing
24.	Hemchandracharya North Gujarat University	Psychology
		Economics
		Political Science
		B. Com (HR)
25.	Drs. Kiran & Pallavi Patel Global University	Information Technology
		Cyber Security
26.	Pandit Deendayal Energy University- PDEU	IKS for School of Technology
		IKS for School of Liberal Studies
27.	Veer Narmad South Gujarat University	General IKS
28.	Dr. Babasaheb Ambedkar Open University	History
		Economics
		Political Science
		Sanskrit
		Cyber Security
29.	Monark University	Mathematics
30.	Gujarat University	Chemistry
		Physics
		Biochemistry
		Zoology
		Fine Arts (Applied)
		Sociology
		Economics
		Hindi
		Gujarati
		Philosophy
		Public Policy and Governance
		Social Work
		Geology
		B. Com (Marketing)
		B. Com (HR)
		B. Com (Business Management)
		B. Com (Accounting)
		B. Com (Auditing)
		B. Com (International Business)
		BBA (Tourism & Hospitality)
		BBA (Finance & Auditing)
		BBA (Marketing)
		BBA (Digital Marketing)
		BBA (Global Business Management)

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Sr. No.	Name of University	Subjects
31.	KN University	Psychology
		English
32.	Shree Somnath Sanskrit University	Economics
		Sanskrit
		Philosophy
33.	Bhakta Kavi Narsinh Mehta University	English
		Hindi
		Gujarati
		Psychology
34.	Auro University	Public Policy and Governance
		BBA (Global Business Management)
35.	Sarvajanik University	Microbiology
		Chemistry
		BCA (Computer Application)
		Environmental Science, Arts & Commerce
36.	Sankalchand Patel University (SPU)	Nutrition and Diet in Ayurveda
		Cosmetology in Ayurveda
		Identification and Preservation of the Herbs
		Fashion Design (Historical Costume of India)
		Fashion Design (Traditional Surface, Embellishment Techniques of India)
37.	Silver Oak University	Information Technology
38.	Swaminarayan University	Zoology
		Botany
		Physics
		Mathematics
39.	Indian Institute of Teacher Education (IITE)	Mathematics
40.	Anant National University	Interior Design

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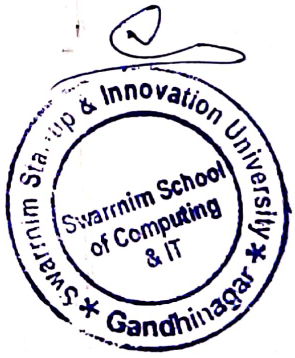
Additional Subjects Allotted

Sr. No.	Name of University	Subjects
1.	Gujarat Technological University	Manufacturing Science
		Electronics
		Mechatronics
2.	The Maharaja Sayajirao University of Baroda	Education
		Teacher Education
		Performing Arts (Instrumental Music, Music, Indian Classical, Drama & Bharat Natyam)
		Fine Arts (Painting)
3.	Gujarat University	Performing Arts (Instrumental Music, Music, Indian Classical, Drama & Bharat Natyam)
		Fine Arts (Painting)



HOD BCA <hod.bca@swarrnim.edu.in>

Submission of IKS Course Curriculum of 4-credit for BCA by Swarrnim Startup & Innovation University

2 messages

HOD BCA <hod.bca@swarrnim.edu.in> Tue, Mar 4, 2025 at 1:34 PM
To: nep2-kcg@gujgov.edu.in
Cc: Dr Kavita Kshatriya <drkavitakshatriya@swarrnim.edu.in>, "Dr. Leena Patekar Associate Professor & HOD" <hod.general@swarrnim.edu.in>, nilam sanghavi <nilam.sanghavi@swarrnim.edu.in>, "Dr. Chetan Gondaliya" <drchetan.gondaliya@swarrnim.edu.in>

Dear Sir,

I am writing to submit the designed curriculum for the **Indian Knowledge System (IKS)** course for the **BCA program** as part of the **National Education Policy (NEP) 2020** initiative. The course has been developed by the faculty at Swarrnim Startup & Innovation University and is aligned with the guidelines provided by the Gujarat Education Board for its implementation across higher educational institutes in Gujarat.

The curriculum includes **6 comprehensive units**, each focusing on various aspects of Indian Knowledge Systems, ranging from Vedic mathematics and astronomy to sustainable practices and modern applications of IKS. The course is structured to encourage both theoretical learning and practical application, with well-defined duration allocations for each unit.

Attached, you will find the detailed syllabus, unit-wise breakdown, recommended reference books, and duration allocations for the course.

We are confident that this course will enrich the students' understanding of Indian knowledge traditions and their relevance in contemporary education and technology.

Please let me know if you need any further information or modifications. We are looking forward to your feedback and approval.

Thank you for your time and consideration.

Regards,
Vikas Chandra Sharma,
Associate Professor & HOD
Swarrnim School of Computing & IT
Swarrnim Startup & Innovation University,
At Post Bhoyan Rathod, Adalaj Kalol Highway,
Gandhinagar, Gujarat 382420

Swarrnim Startup & Innovation University * Swarrnim School of Computing & IT * Gandhinagar

SSIU CURRICULUM DESIGN FOR IKS BCA.pdf
187K

Dr. Leena Patekar Associate Professor & HOD <hod.general@swarrnim.edu.in> Tue, Mar 4, 2025 at
To: nep2 kcg <nep2-kcg@gujgov.edu.in>
Cc: Dr Kavita Kshatriya <drkavitakshatriya@swarrnim.edu.in>, nilam sanghavi <nilam.sanghavi@swarrnim.edu.in>, H
BCA <hod.bca@swarrnim.edu.in>

Dear Sir,
I am writing to submit the designed curriculum for the **Indian Knowledge System (IKS) for subject Mathemat** part of the **National Education Policy (NEP) 2020** initiative. The course has been developed by the faculty at Swarrnim Startup & Innovation University and is aligned with the guidelines provided by the Gujarat Education for its implementation across higher educational institutes in Gujarat.

Knowledge Consortium of Gujarat

Department of Education, Government of Gujarat

No. KCG/2024-25/ 2730 Date: 03/03/2025

To,
Nodal Officers, IKS Coordinators and Registrars,
State and Private Universities,
Gujarat State

Subject: Invitation for Online Meeting on IKS Curriculum Development – March 5, 2025

Dear Sir/ Ma'am,

Greetings from KCG!

We are pleased to inform you that the IKS Curriculum Development Initiative has been progressing steadily. The first meeting on January 13, 2025, laid the foundation for curriculum development, followed by the second meeting on February 3, 2025, where subject allocations were finalized with formal consent from universities.

With the development process now underway, we would like to invite you to an online meeting on March 5, 2025, to review the progress. The meeting will be brief, lasting approximately 30 minutes, and will focus on:

- Progress updates from each university
- Discussion on the curriculum development process
- Addressing queries or challenges faced during implementation

We request all nodal officers, IKS coordinators, and subject experts (if available) to attend. Each university must ensure the participation of at least one representative in this meeting.

For your reference, we have attached the list of universities along with their respective subject allocations.

Also, an in person meeting will be scheduled for physical document review, between 15th to 20th March'2025.

Your active participation and inputs are crucial to ensuring the successful implementation of this initiative.

Looking forward to your presence and valuable contributions.

Best regards,

(Dr. Sagar Dave)
OSD (NEP),
KCG, Ahmedabad

Swarrnim Startup & Innovation University
Swarrnim School of Computing & IT
Gandhinagar

Pragna Puram Campus, Opp. PRL, Near L.D. College of Engineering, Ahmedabad-380 015.
Ph. : 079-26302077 E-mail : support-kcg@gujgov.edu.in www : kcg.gujarat.gov.in

Undertaking of Syll Design & Submission

પ્રમાણપત્ર

અમો, Swarrnim Startup & Innovation University (યુનિવર્સિટીનુંનામ) સબ્જેક્ટ સ્પેસિફિક ભારતીય જ્ઞાનપ્રણાલી નાનીચેદર્શાવેલ

૧ Mathematics

૨ BCA.

૩ _____.

૪ _____.

૫ _____.

૬ _____.

૭ _____(સ્વીકૃતિઆપવામાંગતાહોવએવિષયો/સબ્જેક્ટ સ્પેસિફિક ઉમેરવાજોવધુહોયતો)

ઉપર્યુક્ત વિષયોના અભ્યાસક્રમો તૈયારકરવાયુનિવર્સિટી વતી અમો સ્વીકૃતિ આપીએ છે.

તા:૧૩/૦૧/૨૦૨૫અનેતા:૦૪/૦૨/૨૦૨૫ના રોજથયેલ ઓનલાઈન મિટીંગ સંદર્ભે અમો અભ્યાસક્રમને યુ.જી.સી તેમજનેશનલ હાયર એજ્યુકેશન ક્વાલીફિકેશન ફ્રેમવર્ક (NHEQF) નીગાઈડલાઈન્સને ધ્યાનમાં રાખીને તૈયાર કરીશું. ઉક્તવિષયોનાઅભ્યાસક્રમો આઉટકમ-બેઝ્ડ શૈક્ષણિક મોડલનેધ્યાનેલઈવિકસાવવામાંઆવશે, જે ભારતના પરંપરાગત જ્ઞાનને આધુનિક શૈક્ષણિક માળખાઓ સાથે સમાન્વયિત કરી વિદ્યાર્થીઓના અભ્યાસ અને સંશોધન ક્ષમતાઓમાંવધારો કરશે.

આ કાર્યનાભાગરૂપે અમારીયુનિવર્સિટી દ્વારાસંપૂર્ણસહયોગઆપવામાં આવશે, અને મીટીંગમાંઅપાયેલનિર્દેશમુજબઅભ્યાસક્રમતેમજતેમુજબનીવિદ્યાર્થીના વાંચનસારૂંસામગ્રી, સંશોધન સ્ત્રોતો અને શૈક્ષણિક માર્ગદર્શનનીસંપૂર્ણવિગતો તેનાસ્તોત્રનીવિગતોપૂરીપડાશે.

ઉક્તકામગીરી શિક્ષણ વિભાગઅનેકેસીજી કચેરીનાસંકલનમાંરહીને આપેલસમયમર્યાદામાંતેમજવિદ્યાર્થીઓનાહિતને ધ્યાનમાંરાખીને પૂર્ણકરવામાંઆવશે.

તા: 10-2-2025

(યુનિવર્સિટીનાંકુલસચિવશ્રીનીસહી અનેસિક્કો)

Swarrnim Startup & Innovation University * Swarrnim School of Computing & IT * Gandhinagar

SWARRNIM
STARTUP & INNOVATION
UNIVERSITY

Indian Knowledge System (IKS) for BCA students under NEP 2020

Course Title: Indian Knowledge System (IKS) for BCA

Unit 1: Introduction to Indian Knowledge System (Duration: 08 Hrs)

- **Overview of IKS**: Historical perspective and evolution of Indian Knowledge Systems.
- **Philosophical Foundations**: Key philosophical schools of thought in India (Vedanta, Nyaya, Sankhya, etc.).
- **Integration with Modern Science**: Understanding how IKS complements or integrates with modern-day knowledge.
- **Key Concepts**: Dharma, Karma, Moksha, and their relevance in the digital age.
- **Case Studies**: Example of how ancient knowledge systems influence modern disciplines like AI, Machine Learning, and software development.

Reference Books:

- "Indian Knowledge Systems" by S. Ramaswamy
- "The Wisdom of India" by S. K. Jain

Unit 2: Vedic Knowledge and Technology (Duration: 08 Hrs)

- **Vedas and Technology**: Ancient knowledge of metallurgy, mathematics, astronomy, and agriculture.
- **Mathematics and Algorithms in the Vedas**: Discuss the zero concept, decimal system, and algorithmic practices.
- **Applications in Today's World**: Influence on modern-day algorithms and computing systems.

Reference Books:

- "The Vedic Experience: Mantramanjari" by A. C. Bhaktivedanta Swami Prabhupada
- "Mathematics in Ancient India" by K. K. Aziz

Unit 3: Indigenous Knowledge in Sustainable Development (Duration: 08 Hrs)

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- **Sustainable Practices in Ancient India**: Focus on agriculture, water management, and ecological balance.
- **Indian Traditional Medicine Systems**: Ayurveda, Siddha, and Unani - relevance in contemporary healthcare systems.
- **IKS and the SDGs (Sustainable Development Goals)**: How IKS can contribute to the global sustainability agenda.

Reference Books:

- "Ayurveda: The Science of Self-Healing" by Vasant Lad
- "The Ancient Wisdom of India" by R. S. Agarwal

Unit 4: Indian Mathematics, Astronomy, and Architecture (Duration: 08 Hrs)

- **Mathematical Contributions**: Discuss contributions of Aryabhata, Bhaskaracharya, Brahmagupta, and others.
- **Astronomy and Space Technology**: Ancient Indian knowledge of space and celestial bodies.
- **Vastu Shastra and Architecture**: Principles of Indian architecture, including construction of temples, palaces, and cities.

Reference Books:

- "Aryabhatiya" by Aryabhata
- "Brahmagupta's Brāhmasphuṭasiddhānta" by Brahmagupta (translated edition)

Unit 5: Application of IKS in Modern Technologies (Duration: 08 Hrs)

- **AI and IKS**: Exploring how AI models can benefit from ancient Indian logic and reasoning.
- **Digital Humanities and IKS**: How Indian traditions influence digital content, multimedia, and content management systems.
- **Ethics and IKS**: Understanding ethical frameworks in the digital world through the lens of Indian philosophy.

Reference Books:

- "Technology and the Indian Mind" by A. K. Ghosh
- "Artificial Intelligence: A Modern Approach" by Stuart Russell & Peter Norvig (for complementary modern tech perspectives)

Unit 6: IKS and its Global Impact (Duration: 06 Hrs)

- **Global Influence of Indian Knowledge Systems**: How IKS has shaped various fields worldwide.
- **Modern Case Studies**: Incorporating IKS in modern software development, machine learning models, and research methodologies.
- **Future Scope of IKS**: Integration of traditional wisdom in a tech-driven world.

Reference Books:

- "The Globalization of Indian Knowledge" by K. S. S. K. Reddy

- "Indian Wisdom in the Age of Technology" by V. K. S. Kaul

Suggested Practical Work

- **Case Study Analysis**: Analysing how Indian knowledge has influenced current-day technological advancements.
- **Practical Assignments**: Creating a simple application using traditional mathematical algorithms or logic derived from IKS principles.
- **Research Paper**: Students can present research papers on how IKS can contribute to emerging fields like AI, cybersecurity, and data analytics.

Practical 1: Exploring Vedic Mathematics

- Objective: Understand and apply basic Vedic mathematical techniques.
- Tasks:
  - Solve mathematical problems using Vedic methods like multiplication, division, square roots, and cube roots.
  - Compare traditional methods of calculation with Vedic techniques and analyze their efficiency.
- Tools Required: Paper, Pen, Calculator (optional for comparison).

Practical 2: Astronomy and Time Calculation in Ancient India

- Objective: Learn about ancient Indian methods of astronomical observations and timekeeping.
- Tasks:
  - Study the ancient Indian system of timekeeping (e.g., division of days, months, and seasons).
  - Perform a calculation of "Panchang" (Hindu calendar) for a specific date.
  - Learn about the positions of planets and stars in ancient Indian astronomy.
- Tools Required: Astronomical charts, Panchang software or calendar, access to online tools like NASA's SkyLab for real-time observations.

Practical 3: Ayurveda: Understanding the Principles

- Objective: Explore the principles of Ayurveda, the science of life.
- Tasks:
  - Study the three doshas (Vata, Pitta, Kapha) and assess student profiles for dosha analysis.
  - Create a diet and lifestyle plan based on Ayurvedic principles for balancing doshas.
  - Discuss the use of herbal remedies in Ayurveda and prepare a basic Ayurvedic remedy (such as a herbal tea or oil).

- Tools Required: Ayurvedic textbooks, herbal plants (if available), or pre-packaged herbal products.

Practical 4: Sanskrit Pronunciation and Mantra Chanting

- Objective: Learn about the significance of Sanskrit and its influence on various knowledge systems.
- Tasks:
  - Practice Sanskrit pronunciation of key words and mantras.
  - Study the importance of sound and vibration in Indian philosophy and their connection to well-being.
  - Chant and record mantras to analyze their rhythm and influence.
- Tools Required: Audio/Visual recording devices, books or online resources for Sanskrit mantras.

Practical 5: Mapping Indian Mathematical Contributions

- Objective: Learn about and visualize ancient Indian contributions to mathematics.
- Tasks:
  - Research the history of zero, the decimal system, and mathematical innovations like the concept of infinity in India.
  - Create a presentation or mind map illustrating how these contributions influenced global mathematics.
  - Discuss the significance of Indian mathematicians like Aryabhata, Brahmagupta, and Bhaskara.
- Tools Required: Internet research tools, Presentation software (e.g., PowerPoint), Mind Mapping tools (e.g., Coggle, MindMeister).

Practical 6: Ancient Indian Architecture Study

- Objective: Understand the principles of Vastu Shastra (Indian architecture).
- Tasks:
  - Study and analyze the design of famous ancient Indian architectural structures (e.g., temples, stepwells).
  - Design a small structure applying basic Vastu Shastra principles.
  - Explore the sustainability of these structures, focusing on natural materials and energy-efficient designs.
- Tools Required: Drafting tools, software (AutoCAD or similar), research material on Vastu Shastra.

Practical 7: Creating a Model of a Vedic School (Gurukul)

- Objective: Understand the traditional Indian method of education in a Gurukul system.
- Tasks:
  - Design a curriculum that could have been taught in ancient Indian Gurukuls, focusing on logic, philosophy, mathematics, and the arts.
  - Create a model of a Gurukul using available materials (cardboard, clay, etc.) and present the educational structure.
  - Discuss how the Gurukul system impacted the dissemination of knowledge and its modern-day applications.
- Tools Required: Materials for model creation (cardboard, clay, etc.), internet for research.

Practical 8: Creating Digital Representations of Ancient Indian Knowledge

- Objective: Digitally preserve and present ancient Indian knowledge using modern tools.
- Tasks:
  - Select a piece of ancient Indian knowledge (e.g., an Upanishad or a mathematical theorem) and create a digital poster or infographic.
  - Use digital tools (e.g., Canva, Adobe Illustrator) to present the knowledge clearly.
  - Discuss the relevance of digitizing ancient texts for modern education.
- Tools Required: Digital design software (e.g., Canva, Adobe Illustrator), internet for research.

Practical 9: Exploring Indian Classical Music and its Mathematical Foundations

- Objective: Learn the connection between music and mathematics in Indian classical music.
- Tasks:
  - Study the concept of "Ragas" and their mathematical structures (time cycles, beats).
  - Listen to recordings of various ragas and identify their time signatures.
  - Perform basic rhythm exercises based on Taal (time cycle).
- Tools Required: Audio resources (YouTube, music apps), percussion instruments (optional).

Practical 10: Sustainability Practices from IKS

- Objective: Explore ancient Indian sustainable practices and their applications in modern contexts.
- Tasks:

- Study ancient practices like rainwater harvesting, organic farming, and natural resource conservation.
- Simulate a rainwater harvesting system for a small building.
- Discuss how these practices can be implemented in today's world for sustainable living.

- Tools Required: Research material on sustainable practices, materials for constructing a model (e.g., plastic containers for rainwater harvesting).

Assessment Methods

- **Assignments & Case Studies**: 30%
- **Project Work**: 30%
- **Midterm Exam**: 20%
- **Final Exam**: 20%

Additional Reference Texts

- "The Science of India: How Ancient Indian Knowledge Shaped the Modern World" by S. V. Srinivas
- "The Great Indian Tradition" by Rajeev Ranjan

Swarrnim Startup & Innovation University
Swarrnim School of Computing & IT
Gandhinagar

SWARNIM STARTUP & INNOVATION UNIVERSITY (India's First Start Up University)

SWARRNIM INSTITUTE OF TECHNOLOGY

Bachelor of Engineering (B.Tech)

Department of Computer Engineering

Semester I-VIII Teaching Scheme and Examination Scheme

Curriculum Year: 2024-2028

Semester: 1 (Computer Engineering)

Subject Code	Subject Name	Category	Credit	Teaching scheme per week				Examination								Total	REMARKS
								Internal				External					
				Th	Tut	Practical	Total	Th	PASSING	Pr	PASSING	Th	PASSING	Pr	PASSING		
2BS0240101	Engineering Mathematics-I	Basic Science	4	3	1	0	4	30	12	50	25	70	28	-	-	150	INDIVIDUAL PASS IN EACH COMPONENT
2ES0240102	Elements of Mechanical Engineering	Engineering Science	4	3	0	2	5	30	12	50	25	70	28	-	-	150	
2ES0240103	Fundamentals of Computer Programming	Engineering Science	4	3	0	2	5	30	12	50	25	70	28	-	-	150	
2ES0240104	Elements of Electrical Engineering	Engineering Science	4	3	0	2	5	30	12	50	25	70	28	-	-	150	
2MA0240105	Environmental Studies	Mandatory	0	2	0	0	2	30	12	-	-	70	28	-	-	100	
2ES0240106	Workshop Practice	Engineering Science	2	0	0	4	4	-	-	50	25	-	-	50	25	100	
2SEC230101	Foundation of Entrepreneurship	Skill Enhancement	2	2	0	0	2	50	20	-	-	50	20	-	-	100	
Total			**20**	**16**	**1**	**10**	**27**	**200**	**80**	**250**	**125**	**400**	**160**	**50**	**25**	**900**	

SWARNIM INSTITUTE OF TECHNOLOGY

SWARNIM STARTUP & INNOVATION UNIVERSITY (India's First Start Up University)

SWARRNIM INSTITUTE OF TECHNOLOGY

Bachelor of Engineering (B.Tech)

Department of Computer Engineering

Semester I-VIII Teaching Scheme and Examination Scheme

Curriculum Year: 2024-2028

Semester: 2 (Computer Engineering)

Subject Code	Subject Name	Category	Credit	Teaching scheme per week				Examination								Total	REMARKS
								Internal				External					
				Th	Tut	Practical	Total	Th	PASSING	Pr	PASSING	Th	PASSING	Pr	PASSING		
2BS0240201	Engineering Mathematics-II	Basic Science	4	3	1	0	4	30	12	50	25	70	28	-	-	150	INDIVIDUAL PASS IN EACH COMPONENT
2BS0240202	Physics of Applied Materials	Basic Science	4	3	0	2	5	30	12	50	25	70	28	-	-	150	
2ES0240204	Basic Electronics	Engineering Scien	4	3	0	2	5	30	12	50	25	70	28	-	-	150	
2ES0240207	Fundamental of Web Development	Engineering Scien	4	3	0	2	5	30	12	50	25	70	28	-	-	150	
2HS0240208	Communication Skills	Humanities and Sc	3	2	0	2	4	30	12	50	25	70	28	-	-	150	
2MA0240209	Sports and Yoga or NSS/NCC	Mandatory	0	2	0	2	4	-	-	50	25	-	-	-	-	50	
2SEC230202	Identifying Entrepreneurial Opport	Skill Enhancement	2	2	0	0	2	50	20	-	-	50	20	-	-	100	
Total			**21**	**18**	**1**	**10**	**29**	**200**	**80**	**300**	**150**	**400**	**160**	**0**	**0**	**900**	

SWARNIM INSTITUTE OF TECHNOLOGY

SWARNIM STARTUP & INNOVATION UNIVERSITY (India's First Start Up University)

SWARRNIM INSTITUTE OF TECHNOLOGY

Bachelor of Engineering (B.Tech)

Department of Computer Engineering

Semester I-VIII Teaching Scheme and Examination Scheme

Curriculum Year: 2024-2028

Semester: 3 (Computer Engineering)

Subject Code	Subject Name	Category	Credit	Teaching scheme per week				Examination								Total	REMARKS
				Th	Tut	Practical	Total	Internal				External					
								Th	PASSING	Pr	PASSING	Th	PASSING	Pr	PASSING		
2BS0240301	Engineering Mathematics-III	Basic Science	4	3	1	0	4	30	12	50	25	70	28	-	-	150	INDIVIDUAL PASS IN EACH COMPONENT
2CE0240301	Computer Organization & Architecture	Engineering Science	4	3	0	2	5	30	12	50	25	70	28	-	-	150	
2CE0240302	Data Structure and Algorithm	Professional Core	5	3	0	4	7	30	12	50	25	70	28	-	-	150	
2CE0240303	Database Management System	Professional Core	4	3	0	2	5	30	12	50	25	70	28	-	-	150	
2CE0240304	Python Programming	Professional Core	4	3	0	2	5	30	12	50	25	70	28	-	-	150	
2MA0240306	Indian Constitution	Mandatory	0	2	0	0	2	-	-	50	25	-	-	-	-	50	
2SEC230303	Marketing Strategies For Start Ups	Skill Enhancement	2	2	0	0	2	50	20	-	-	50	20	-	-	100	
Total			**23**	**19**	**1**	**10**	**30**	**200**	**80**	**300**	**150**	**400**	**160**	**0**	**0**	**900**	

SWARNIM INSTITUTE OF TECHNOLOGY

Subject: Indian Constitution
Subject Code: 2MA0240306

Program:	Computer Engineering	**Branch:**	CE
Year:	2nd Year	**Semester:**	III

Course title:	Indian Constitution	**Course code**	2MA0240306
Course type:	Mandatory	**Course credit:**	0

Teaching & Evaluation Scheme:-

Teaching Scheme				Credits	Examination Marks				Total Marks
					Theory		Practical		
Th	Tu	P	Total		SEE (E)	PA (M)	Viva (V)	PA (I)	
2	0	0	2	0	0	0	0	50	50

Prerequisite:

Zeal to learn the subject

Course Objectives

1. Gain a thorough understanding of the basic structure and features of the Indian Constitution, including its historical context, making of the Constitution, and its salient features.
2. Explore the fundamental principle underlying the Indian Constitution, such as sovereignty, secularism, democracy, socialism, and federalism.
3. Study the various institutions established by the Constitution, including the executive, legislature, judiciary, and their roles, powers, and interrelations.
4. Learn about the process of amending the Constitution and analyze significant amendments made over time, understanding their impact on Indian polity.

Course Content:

Unit	Topics	Teaching Hours	Weightage %
1	Constitutional law and Constitutionalism; meaning, Evolution and development of Indian Constitution, Salient features and characteristics of the Constitution of India	04	20
2	Fundamental rights, Right to Equality underArticle–14,Rightto Freedom under Article19,ScopeoftheRighttoLifeandPersonal Liberty under Article 21	08	20
3	Fundamental Duties and its legal status, The Directive Principles of State Policy– Its importance and implementation, Federal structure , Distribution of legislative and financial powers between the Union and the States	07	20
4	Parliamentary form of Government in India, The constitution powers and status of the President of India , Powers and Procedure for Amendment sin Indian Constitution ,History of amendments in Indian Constitutional	05	20
5	Emergency Provisions: National Emergency, President Rule, Financial Emergency, Local Self Government – Constitutional Scheme in India	06	20

Course Outcomes:

Sr. No.	CO statement	Unit. No.
CO-1	Enhance human values ,create awareness about law enactment and importance of Constitution	1
CO-2	To Understand the Fundamental Rights and Fundamental Duties of the Indian Citizen to instill morality, social values, honesty, dignity of life and their social responsibilities.	2
CO-3	Create Awareness of their Surroundings, Society, Social problems and their suitable solutions while keeping rights and duties of the citizen in Mind.	3
CO-4	Understand distribution of powers and functions of Local Self Government.	4

CO-5	Understand the National Emergency, Financial Emergency and their impact on the Economy of the country.	5

Teaching &Learning Methodology:-

1. Use of power-point slides, which include videos, animations, pictures, graphics for better understanding of theory.
2. Topic based seminars, internet based assignments, and teacher guided self-learning Activities

Books Recommended:-

1. Dr.J.N Pandey, "Constitutional Law of India", Central Law Agency
2. Durga Das Basu, Lexis Nexis, "Introduction to the Constitution of India".
3. M.P.Jain, "Indian Constitutional Law", Lexis Nexis
4. V.N.Shukla, Mahendra Pal Singh,"Constitution of India", Eastern Book Company
5. Udai Raj Rai, "Constitutional Law – I Structure", Eastern Book Company

CO-PO-PSO Matrix:

CO.No.	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12	PSO1	PSO2
CO-1	2	1	2	1		3	2						1	2
CO-2	1	2	2	1		3	2						2	2
CO-3	2	1	1	2		3	2	1					2	2
CO-4	1	1	1	1		3	2	2		2			1	1
CO-5	1	1	1	1		2	2	2		2	2		2	2

Subject: Sports and Yoga
Subject Code: 2MM0240209

Program:	Bachelor of Engineering	**Branch:**	CE/IT/EE/CHE/ENV/ME/AUTO/ CL/AI/CS/CTIS
Year:	1st Year	**Semester:**	II

Course title:	Sports and Yoga	**Course code**	2MM0240209
Course type:	Engineering Science	**Course credit:**	4

Teaching & Evaluation Scheme:-

Teaching Scheme				Credits	Examination Marks				Total Marks
					Theory		Practical		
Th	Tu	P	Total		ESE (E)	PA (M)	Viva (V)	PA (I)	
2	0	2	4	0	-	-	-	50	50

Rationale:

Physical activity is vital to the holistic development of students, fostering their physical, social and emotional health. Sports and Yoga are essential part of our life for good health and peace of mind. Yoga is considered itself as a sport which plays through your own physical ability. Yoga provides you all the benefits that you are willing to have from generic sports like badminton, football, cricket, etc. Yoga is the application of physical postures, control of breath, purification and relaxation of mind / body and spiritual principles aimed at bringing greater unity and balance to the mind and body. The use of breathing techniques known as Pranayama enables a person to focus on breath and helps to calm and still the mind and cultivate concentration ability. Pranayama can also help to energise and revitalize the body.

Syllabus Details

Sr. No.	Topics	Teaching Hrs.	Module Weightage	CO Mapping
1	**Introduction to Physical fitness** • Aims & Objectives of Physical Education • Changing trends in Physical Education • Meaning & Importance of Physical Fitness & Wellness • Components of Physical fitness • Components of health related fitness • Components of wellness • Preventing health threats through lifestyle change • Concept of positive lifestyle	14	32%	CO-1 CO-2
2	**Fundamentals of Anatomy & Physiology in sports & yoga** • Anatomy, physiology and its importance. • Effect of exercise on various body system i.e. circulatory system, respiratory system, neuro- muscular system • Concept and advantages of correct posture. • Posture deformities and corrective measures	10	22%	CO-5
3	**Yoga & Pranayama** • Meaning & Importance of Yoga Asanas, Pranayama & Meditation • Yoga & related Asanas - Sukhasana, Tadasana, Padmasana &Shashankasana. • Relaxation techniquesfor improving concentration - Yog-Nid	8	18 %	CO-3
4	**Sports/ games** • Warming up and limbering down exercises • Tournaments- Knock out, League/ Round Robin & combination • Following sub topics related to any one Game/Sport of choice of student out of: Badminton, Chess, Carrom, Table Tennis, Cricket, Kabaddi, , Volley ball, Basketball, Football, Hockey, etc. • History of the Game/Sport. • Latest General Rules of the Game/Sport. • Specifications of Play Fields and Related Sports Equipment. • Effect of anxiety & fear on sports performance.	13	28 %	CO-4

Text Books:

Sr. No.	Author/s	Name of the Book	Publisher	Edition
1	Acharya Yatendra	Yoga and Stress Management	Fingerprint Publishing	Latest
2	V.K.Sharma	Health and Physical Education	Saraswati House Publication, New Delhi	Latest
3	Ramdev	Pranayam Rahasya	Patanjali-Divya Prakashan,Haridwar	Latest

Reference Books:

Sr. No.	Author/s	Name of the Book	Publisher	Edition
1	Ajmer Singh	Modern Trends and Physical Education	Kalyani Publication, New Delhi	Latest
2	B.K.S. Iyengar	Light on Yoga	Thomson's Publication, New Delh	Latest
3	Swami Vivekanand	Patanjali Yoga Sutras	Fingerprint Publishing	Latest

Online Resources:

1. https://youtu.be/dAqQqmaI9v
2. https://youtu.be/c8hjhRqIwHE
3. https://youtu.be/MrR04m1zoJ8

List of Practical/Activities:

1. Prepare a list of specifications for various tools/equipment/machines used in gymnasium/indoor sports complex.
2. Undertake a market survey of local dealers for procurement of sports items/ equipment/machines.
3. Visit the sports shop and collect all relevant information about any sport item and submit the detailed report.
4. Download video clips showing correct practices for yogasanas, pranayam and any sports/games.
5. Prepare a chart showing different types of yogasanas
6. Prepare a chart showing different types of pranayams.
7. Prepare a chart showing the field details of any sports/games.

8. Perform following Yoga Asanas under the guidance of yoga trainer : Surya Namaskar (Sun Salutation) ,Tadasana (Mountain pose) ,Vrikshasana (Tree pose) ,Vajrasan (Hand under foot pose) ,Pada-hastasana (Hand under foot pose) ,Ushtrasana (Camel pose) ,Dhanurashana.(Bow Pose) ,Bhjangasana (Snake pose) ,Halasana (Plough pose) , Shavasana/Yoga Nidra , BhastrikaiPranayam,KapalbhatiPranayam, AnulomVilomPranayam, Bhramari Pranayam

9. Participate in any sports activities of your choice : Indoor sports/games (Badminton, Chess, Carrom, Table Tennis) Outdoor sports/games (Cricket, Kabaddi, , Volley ball, Basketball, Football, Hockey)

10. Prepare report on any sports events including associated rules, playground specification, rules for judgement, etc.

Course Outcome:

After completion of the course, the students will be able to:

Sr. No.	CO statement
CO-1	Practice physical activities and yoga for strength, flexibility and relaxation.
CO-2	Use techniques for increasing concentration and decreasing anxiety for stronger academic performance.
CO-3	Perform yoga exercises in various combinations and forms.
CO-4	Improve personal fitness through participation in sports and yoga activities.
CO-5	Follow sound nutritional practices for maintaining good health and physical performance

Course Outcomes	Expected Mapping with Programme Outcomes (1-Low Correlation; 2-Medium correlation;3-High Correlation)														
	PO-1	PO-2	PO-3	PO-4	PO-5	PO-6	PO-7	PO-8	PO-9	PO-10	PO-11	PO-12	PSO-1	PSO-2	PSO-3
CO-1	2	-	-	-	1	-	2	-	-	-	-	-	-	-	-
CO-2	3	-	-	-	1	-	1	-	-	-	-	-	-	-	-
CO-3	2	-	-	-	1	-	2	-	-	-	-	-	-	-	-
CO-4	2	-	-	-	1	-	2	-	-	-	-	-	-	-	-
CO-5	3	-	-	-	1	-	2	-	-	-	-	-	-	-	-

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प्रशिक्षणं स्याच्च सदा प्रयुक्तं
संज्ञानकौशल्यविकासहेतौ।

National Conference on
Indian Knowledge System for
ELEVATING LEARNING
(Urdhvagami Adhyayan)

मंगलवार, फाल्गुन, शुक्ल पक्ष द्वादशी, विक्रम संवत - २०८१

11th March 2025, Tuesday

Organised by

Dr. Babasaheb Ambedkar Open University, Ahmedabad

School of Education, Distance Education and Educational Technology (SoE)

In Association with

Bharatiya Shikshan Mandal || Global Educational Research Association

TENTATIVE SCHEDULE

Sr.No	Time	Programme
1	8.30 am to 9.45 am	Welcome Tea and Registration
2	10.00 am to 11.00 am	Inauguration
3	11.05 am to 11.35 am	Keynote Address
4	11.45 am to 12.45 pm	Plenary Session
5	12.45 pm to 1.30 pm	Lunch
6	1.35 pm to 2.45 pm	Paper Presentations in The Parallel Session -1
7	3.00 pm to 4.15 pm	Paper Presentations in The Parallel Session -2
8	4.20 pm to 4.40 pm	High Tea
9	5.00 pm Onwards	Valedictory - Certificates Distribution

SWARRNIM
INSTITUTE OF TECHNOLOGY

Report of Duty Performed as Chairperson and Paper Presentation

Event: National Conference on *Indian Knowledge System*
Date: 11th March 2025
Venue: Dr. Babasaheb Ambedkar Open University, Ahmedabad
Role: Chairperson & Paper Presenter

I. Duty as Chairperson

As a Chairperson in one of the technical sessions of the National Conference on *Indian Knowledge System*, I performed the following responsibilities:

1. **Session Coordination:**
   - Coordinated with the conference organizers and fellow panel members to ensure smooth functioning of the session.
   - Managed the schedule of the paper presentations, ensuring timely commencement and conclusion.
2. **Moderation and Engagement:**
   - Introduced the theme of the session and provided a brief overview of the relevance of the Indian Knowledge System in the contemporary context.
   - Welcomed and introduced the paper presenters and moderated the session effectively, ensuring that each participant adhered to the allotted time.
   - Facilitated an engaging question-and-answer segment, encouraging interaction between presenters and the audience.
3. **Feedback and Summary:**
   - Provided constructive feedback to each presenter, highlighting the strengths of their research and offering suggestions for improvement.
   - Summarized the key insights from the session, reflecting on how the presented research aligns with and contributes to the overarching theme of the conference.

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INSTITUTE OF TECHNOLOGY

Report of Duty Performed as Chairperson and Paper Presentation

II. Paper Presentation

Title of Paper: *The Role of AI and ICT in Empowering Education and Learners Beyond Conventional Classrooms*
Author: Dr. Leena Patekar, Swarrnim Institute of Technology

Abstract:

This paper explores how Artificial Intelligence (AI) and Information and Communication Technology (ICT) are revolutionizing education by extending learning opportunities beyond traditional classroom settings. The integration of smart learning platforms, virtual classrooms, adaptive learning systems, and AI-powered assessment tools is creating inclusive, personalized, and learner-centric environments.

Key Highlights:

- **Relevance to Indian Knowledge System:** The paper emphasized how modern technologies can be harmoniously integrated with India's ancient educational philosophies, such as *gurukul*, *shiksha vidhi*, and holistic learning, to create a more comprehensive and culturally rooted yet futuristic educational framework.

SWARNIM INSTITUTE OF TECHNOLOGY

SWARRNIM
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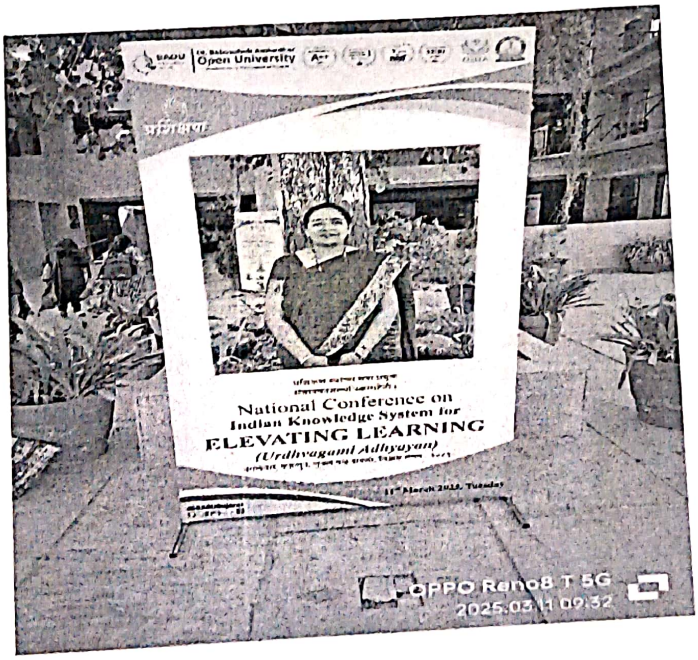
Report of Duty Performed as Chairperson and Paper Presentation

- **Impact on Education:**
  - AI tools enabling real-time feedback, intelligent tutoring systems, and predictive analytics for personalized education.
  - ICT applications such as MOOCs, Learning Management Systems (LMS), and educational apps that transcend geographical and physical limitations.
- **Empowering Learners:**
  - Enhanced accessibility for learners from remote and underprivileged areas.
  - Promotion of self-paced, autonomous, and skill-based learning.
  - Encouragement of lifelong learning in alignment with the National Education Policy (NEP) 2020.
- **Case Studies and Data:** The presentation included examples from successful AI and ICT initiatives in India and globally, demonstrating measurable improvements in learner engagement and academic outcomes.
- **Conclusion:** The paper concluded with a vision for the future where AI and ICT act as bridges between the past and the future, promoting an educational paradigm that is inclusive, innovative, and deeply informed by India's knowledge heritage.

I am also Grateful to President Sir, Vice President Sir, Provost Sir and Dean Academics Ma'am for their support and encouragement to upgrade the academic credentials.



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संज्ञानकौशल्यविकासहेतौ ।

Certificate

National Conference

Indian Knowledge System for ELEVATING LEARNING

(Urdhavagami Adhyayan)

Certificate of Appreciation

On behalf of the organizers, we sincerely appreciate and congratulate Shri DR.LEENA PATEKAR from SWARNIM STARTUP AND INNOVAYION UNI who has presented a paper on THE ROLE OF AI AND ICT IN EMPOWEING EDUCATION AND LEARINERS BEYOND CONVANTIONAL CLASSROOMS in the *National Conference on Indian Knowledge System for Elevating Learning (Urdhavagami Adhyayan)*, organized by **Dr. Babasaheb Ambedkar Open University, Ahmedabad,** in association with **Bharatiya Shikshan Mandal** and **Global Educational Research Association,** held on **11th March 2025,** at **Dr. Babasaheb Ambedkar Open University, Ahmedabad, Gujarat.**

Dr. A.K. Jadeja
Registrar
BAOU

School of Education, Distance Education & Educational Technology * BAOU * परमंतपः

Prof. (Dr.) Ajitsinh Rana
Professor & Director (SOE)
'Prashikshan' Convener, BAOU

IKS Paper Certificate

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Certificate

National Conference

Indian Knowledge System for ELEVATING LEARNING

(Urdhavagami Adhyayan)

Certificate of Appreciation

We are honored to issue this certificate to Shri DR. LEENA PATEKAR who has contributed as a CHAIRPERSON in the *National Conference on Indian Knowledge System for Elevating Learning (Urdhavagami Adhyayan)*, organized by **Dr. Babasaheb Ambedkar Open University, Ahmedabad**, in association with **Bharatiya Shikshan Mandal** and **Global Educational Research Association** on **11th March 2025**, at **Dr. Babasaheb Ambedkar Open University, Ahmedabad, Gujarat.** On behalf of the organizers, we sincerely appreciate your valuable contribution in making the conference a great success.

Dr. A.K. Jadeja
Registrar
BAOU

Prof. (Dr.) Ajitsinh Rana
Professor & Director (SOE)
'Prashikshan' Convener, BAOU

IKS Conference Session Chairperson certificate

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Invitation for Online Meeting on IKS Curriculum Development – March 5, 2025

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to dyr.acd@knu.edu.in, subhashbrahmabhatt@gmail.com, principalnmhc@spu.ac.in, navnit.chothan@vnsgusurat.ac.in, me, director_sast@gtu.edu.in, s

Translate to English

શ્રીમાન,

આપને જણાવતા આનંદ થાય છે કે IKS અભ્યાસક્રમ બનાવવાની કામગીરી હાલમાં પ્રગતી હેઠળ છે. તા:૧૩/૦૧/૨૦૨૫ના રોજ આયોજીત કરવામાં આવેલ પ્રથમ મિટિંગમાં અભ્યાસક્રમ બનાવવા અંગેના પાયાની રચના કરવામાં આવેલ હતી અને તા:૦૩/૦૨/૨૦૨૫ના રોજની બીજી મિટિંગમાં યુનિવર્સિટીઓની સત્તાવાર સંમતિ સાથે વિષય વિતરણની કામગીરી પૂર્ણ કરવામાં આવેલ હતી.

હાલમાં અભ્યાસક્રમ બનાવવાની પ્રક્રિયા ચાલુ હોવાથી, તે અંગેની પ્રગતિની સમીક્ષા કરવા માટે તા:૦૫/૦૩/૨૦૨૫નાં રોજ ઓનલાઈન મિટિંગનું આયોજન કરવામાં આવેલ છે. આ મિટિંગ લગભગ ૩૦ મિનિટની રહેશે અને ઓનલાઈન મિટીંગ દરમ્યાન નીચેના મુદ્દાઓ પર ધ્યાન કેન્દ્રિત કરવામાં આવશે:

- દરેક યુનિવર્સિટી તરફથી પ્રગતિ અંગેનો અહેવાલ
- અભ્યાસક્રમ વિકાસ પ્રક્રિયા પર ચર્ચા

SWARNIM INSTITUTE OF TECHNOLOGY

IKS syllab
Design Invita

Dr. Leena Patekar Associate Professor & HOD <hod.general@swarrnim.edu.in>

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Knowledge Consortium of Gujarat

Department of Education, Government of Gujarat

No. KCG/2024-25/ 2730 Date: 03/03/2025

To,
Nodal Officers, IKS Coordinators and Registrars,
State and Private Universities,
Gujarat State

Subject: Invitation for Online Meeting on IKS Curriculum Development – March 5, 2025

Dear Sir/ Ma'am,

Greetings from KCG!

We are pleased to inform you that the IKS Curriculum Development Initiative has been progressing steadily. The first meeting on January 13, 2025, laid the foundation for curriculum development, followed by the second meeting on February 3, 2025, where subject allocations were finalized with formal consent from universities.

With the development process now underway, we would like to invite you to an online meeting on March 5, 2025, to review the progress. The meeting will be brief, lasting approximately 30 minutes, and will focus on:

- Progress updates from each university
- Discussion on the curriculum development process
- Addressing queries or challenges faced during implementation

We request all nodal officers, IKS coordinators, and subject experts (if available) to attend. Each university must ensure the participation of at least one representative in this meeting.

For your reference, we have attached the list of universities along with their respective subject allocations.

Also, an in person meeting will be scheduled for physical document review, between 15th to 20th March'2025.

Your active participation and inputs are crucial to ensuring the successful implementation of this initiative.

Looking forward to your presence and valuable contributions.

Best regards,

(Dr. Sagar Dave)
OSD (NEP),
KCG, Ahmedabad

Pragna Puram Campus, Opp. PRL, Near L.D. College of Engineering, Ahmedabad-380 015.
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University-wise IKS Subject Allocation

Sr. No.	Name of University	Subjects
1.	Sardar Patel University	Social Work
		Political Science
		B. Com (Economics)
		Biochemistry
2.	Karnavati University	Sociology
		Philosophy
		Journalism & Mass Communication
3.	Maganbhai Adenwala Mahagujarat University	Food & Nutrition
		Physical Education, sports & yoga
		Fundamental of Ayurvedic
4.	Shri Govind Guru University	English
		Gujarati
		B. Com (Business Management)
		B. Com (Accounting)
		B. Com (Finance)
5.	Maharaja Krishnakumarsinhji Bhavnagar University	B.A. Economic
		B. Com (Finance & Accounts)
6.	The Maharaja Sayajirao University of Baroda	Geology
		Fine Arts (Sculpture)
		Sociology
		Hindi
		Journalism & Mass Communication
		Social Work
		BBA (Global Business Management)
7.	Lakulish Yoga University	Sanskrit
		Psychology
		Philosophy
		Yoga & Sports
8.	Atmiya University	Microbiology
		Ancient Indian Science & Technology
		Holistic Health Care with Yoga and Ayurveda
9.	Charutar Vidya Mandal University	English
10.	Institute of Infrastructure, Technology, Research And Management	Sociology
		Economics
		English
		Philosophy
		BBA (Global Business Management)
		BBA (International Business)
11.	Dr. Subhash University	IT
		Mathematics
12.	Swarrnim Startup & Innovation University	Mathematics

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Sr. No.	Name of University	Subjects
		BCA
13.	Gandhinagar University	Chemistry
14.	Rai University	B. Com (Accounting)
		BBA (Marketing)
		Clothing & Textile
		Interior Design
		Microbiology
		Chemistry
		Cyber Security
		Data Science
15.	Saurashtra University	Home Science (Food and Nutrition, Clothing and Textiles, Human Development and Family Studies, Resource Management, Extension and Communication)
		Gujarati
		Statistics
		Biotechnology
		Hindi
16.	Parul University	Clothing & Textile
17.	Gyanmanjari Innovative University	Sanskrit
18.	Dhirubhai Ambani Institute of Information and Communication Technology, Gandhinagar	History
19.	Shreyarth University	Journalism & Mass Communication
20.	ITM Vocational University	Indian Ethics in Engineering
		Organic chemistry in Tradition Indian Medicine
		Indian Governance System
21.	Krantiguru Shyamji Krishna Verma Kachchh University	Yoga & Sports
22.	Gujarat Technological University	Biotechnology
		Microbiology
		Environmental Science
23.	Vanita Vishram Women's University	Commerce
		Management Studies
		Psychology
		English
		Gujarati
		Hindi
		Chemistry
		Biotechnology
		Microbiology
		Food & Nutrition

Sr. No.	Name of University	Subjects
		Computer Science
		Information Technology
		Fashion Designing
24.	Hemchandracharya North Gujarat University	Psychology
		Economics
		Political Science
		B. Com (HR)
25.	Drs. Kiran & Pallavi Patel Global University	Information Technology
		Cyber Security
26.	Pandit Deendayal Energy University- PDEU	IKS for School of Technology
		IKS for School of Liberal Studies
27.	Veer Narmad South Gujarat University	General IKS
28.	Dr. Babasaheb Ambedkar Open University	History
		Economics
		Political Science
		Sanskrit
		Cyber Security
29.	Monark University	Mathematics
30.	Gujarat University	Chemistry
		Physics
		Biochemistry
		Zoology
		Fine Arts (Applied)
		Sociology
		Economics
		Hindi
		Gujarati
		Philosophy
		Public Policy and Governance
		Social Work
		Geology
		B. Com (Marketing)
		B. Com (HR)
		B. Com (Business Management)
		B. Com (Accounting)
		B. Com (Auditing)
		B. Com (International Business)
		BBA (Tourism & Hospitality)
		BBA (Finance & Auditing)
		BBA (Marketing)
		BBA (Digital Marketing)
		BBA (Global Business Management)

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Sr. No.	Name of University	Subjects
31.	KN University	Psychology
		English
32.	Shree Somnath Sanskrit University	Economics
		Sanskrit
		Philosophy
33.	Bhakta Kavi Narsinh Mehta University	English
		Hindi
		Gujarati
		Psychology
34.	Auro University	Public Policy and Governance
		BBA (Global Business Management)
35.	Sarvajanik University	Microbiology
		Chemistry
		BCA (Computer Application)
		Environmental Science, Arts & Commerce
36.	Sankalchand Patel University (SPU)	Nutrition and Diet in Ayurveda
		Cosmetology in Ayurveda
		Identification and Preservation of the Herbs
		Fashion Design (Historical Costume of India)
		Fashion Design (Traditional Surface, Embellishment Techniques of India)
37.	Silver Oak University	Information Technology
38.	Swaminarayan University	Zoology
		Botany
		Physics
		Mathematics
39.	Indian Institute of Teacher Education (IITE)	Mathematics
40.	Anant National University	Interior Design

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Additional Subjects Allotted

Sr. No.	Name of University	Subjects
1.	Gujarat Technological University	Manufacturing Science
		Electronics
		Mechatronics
2.	The Maharaja Sayajirao University of Baroda	Education
		Teacher Education
		Performing Arts (Instrumental Music, Music, Indian Classical, Drama & Bharat Natyam)
		Fine Arts (Painting)
3.	Gujarat University	Performing Arts (Instrumental Music, Music, Indian Classical, Drama & Bharat Natyam)
		Fine Arts (Painting)

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Syllabus Submi
Undertaking

પ્રમાણપત્ર

SWARNIM START UP & INNOVATION UNIVERSITY

અમો, _____ (યુનિવર્સિટીનું નામ) સબ્જેક્ટ સ્પેસિફિક ભારતીય જ્ઞાનપ્રણાલી ના નીચે દર્શાવેલ

૧ Mathematics.
૨ BCA .
૩_____.
૪_____.
૫_____.
૬_____.
૭ _____(સ્વીકૃતિ આપવા માંગતા હોવ એ વિષયો/ સબ્જેક્ટ સ્પેસિફિક ઉમેરવા જો વધુ હોય તો)

ઉપર્યુક્ત વિષયોના અભ્યાસક્રમો તૈયાર કરવા યુનિવર્સિટી વતી અમો સ્વીકૃતિ આપીએ છે.

તા:૧૩/૦૧/૨૦૨૫ અને તા:૦૪/૦૨/૨૦૨૫ના રોજ થયેલ ઓનલાઈન મિટીંગ સંદર્ભે અમો અભ્યાસક્રમને યુ.જી.સી તેમજ નેશનલ હાયર એજ્યુકેશન ક્વાલીફિકેશન ફ્રેમવર્ક (NHEQF) ની ગાઈડલાઈન્સ ને ધ્યાનમાં રાખીને તૈયાર કરીશું. ઉક્ત વિષયોના અભ્યાસક્રમો આઉટકમ-બેઝ્ડ શૈક્ષણિક મોડલને ધ્યાને લઈ વિકસાવવામાં આવશે, જે ભારતના પરંપરાગત જ્ઞાનને આધુનિક શૈક્ષણિક માળખાઓ સાથે સમાન્વયિત કરી વિદ્યાર્થીઓના અભ્યાસ અને સંશોધન ક્ષમતાઓમાં વધારો કરશે.

આ કાર્ય ના ભાગરૂપે અમારી યુનિવર્સિટી દ્વારા સંપૂર્ણ સહયોગ આપવામાં આવશે, અને મીટીંગમાં અપાયેલ નિર્દેશ મુજબ અભ્યાસક્રમ તેમજ તે મુજબની વિદ્યાર્થીના વાંચન સારું સામગ્રી, સંશોધન સ્ત્રોતો અને શૈક્ષણિક માર્ગદર્શનની સંપૂર્ણ વિગતો તેના સ્તોત્રની વિગતો પૂરી પડાશે.

ઉક્ત કામગીરી શિક્ષણ વિભાગ અને કેસીજી કચેરીના સંકલનમાં રહીને આપેલ સમયમર્યાદામાં તેમજ વિદ્યાર્થીઓના હિતને ધ્યાનમાં રાખીને પૂર્ણ કરવામાં આવશે.

તા: 10-2-2025

Registrar
Swarnim Start Up & Innovation University
At: Boyan Rathod, Gandhinagar.

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યુનિવર્સિટીના રૂબરૂ સહી અને સિક્કો)

IKS Math 4-Credits Syllabus Submitted.

Course Title: Mathematics under Indian Knowledge System (IKS)

Credits: 4 (3 Theory + 1 Practical/Project)
Total Hours: 60 (45 Theory + 15 Practical)

Course Objectives:

1. To introduce students to the rich heritage of Indian Mathematics and its relevance to modern mathematics.
2. To explore ancient Indian mathematical texts such as Sulba Sutras, Aryabhatiya, Brahmasphutasiddhanta, and Leelavati.
3. To develop problem-solving skills using Vedic Mathematics and its applications in competitive exams.
4. To analyze the impact of Indian mathematical concepts on modern developments in algebra, geometry, and calculus.
5. To bridge the gap between traditional Indian mathematical knowledge and contemporary mathematical applications.

Learning Outcomes:

Upon completion of the course, students will be able to:

1. Explain the mathematical concepts from ancient Indian texts and their historical significance.
2. Apply Vedic Mathematics techniques for rapid calculations.
3. Analyze the impact of Indian mathematicians on global mathematical developments.
4. Solve problems related to geometry, algebra, and calculus using ancient Indian approaches.
5. Demonstrate research and practical applications of Indian Mathematics in modern fields such as cryptography, computing, and artificial intelligence.

Course Structure and Module Details

Module 1: Foundations of Indian Mathematics (10 Hours)

- **Introduction to Indian Knowledge System in Mathematics**
  - The role of Mathematics in Vedic and post-Vedic literature.
  - Influence of Sanskrit texts on mathematical logic and reasoning.
- **Sulba Sutras and Vedic Geometry**
  - Geometric principles from Sulba Sutras (Baudhayana, Apastamba, Katyayana).
  - Construction of altars and early applications of the Pythagorean theorem.
  - Approximation of square roots and irrational numbers.

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- **Development of Number System and Decimal Notation**
  - Early numeral systems in India.
  - Concept of zero and its propagation to the world.

Suggested Activities:

- Reading excerpts from the Sulba Sutras and solving problems based on their geometric principles.
- Group discussion on the impact of the Indian numeral system on modern mathematics.

Module 2: Contributions of Indian Mathematicians (12 Hours)

- **Aryabhata (476 CE):**
  - Place value system and approximation of π.
  - Trigonometry and algebraic equations in Aryabhatiya.
- **Brahmagupta (598 CE):**
  - Introduction of zero and negative numbers.
  - Solutions of quadratic equations and Brahmagupta's identity.
- **Bhaskaracharya (1114 CE):**
  - Algebra and calculus in *Leelavati* and *Bijaganita*.
  - Indeterminate equations and concept of derivatives.
- **Madhava of Kerala (14th Century) and Kerala School of Mathematics:**
  - Infinite series for trigonometric functions.
  - Early developments of calculus before Newton and Leibniz.
- **Srinivasa Ramanujan (1887-1920):**
  - Partition functions, continued fractions, and theta functions.
  - Ramanujan's contributions to number theory.

Suggested Activities:

- Preparing presentations on a specific Indian mathematician's work.
- Comparative study of Indian and Western mathematical discoveries.
- Solving quadratic equations using Brahmagupta's method.

Module 3: Vedic Mathematics and Computational Techniques (10 Hours)

- **Introduction to Vedic Mathematics:**
  - History and origins of Vedic Sutras.
  - Mental mathematics and simplification techniques.

- **Key Sutras and Their Applications:**
  - Ekadhikena Purvena (multiplication by 9, 99, 999).
  - Nikhilam Navatashcaramam Dashatah (fast multiplication and division).
  - Urdhva-Tiryagbhyam (general multiplication formula).
  - Vinculum numbers and their applications in algebra.
- **Applications in Competitive Exams:**
  - Speed math tricks for entrance exams.
  - Shortcut methods for square roots and cube roots.

Suggested Activities:

- Hands-on practice of Vedic Mathematics techniques.
- Conducting a quiz competition using Vedic Math shortcuts.
- Creating a project on the real-world applications of Vedic Mathematics.

Module 4: Indian Mathematics and Modern Applications (8 Hours)

- **Indian Contributions to Trigonometry and Astronomy:**
  - Aryabhata's sine tables and their accuracy.
  - Influence on later developments in navigation and astronomy.
- **Algebra and Combinatorics from Ancient Indian Texts:**
  - Pingala's binary system and early concepts of combinatorics.
  - Narayana Pandita's work on magic squares.
- **Role of Indian Mathematics in Cryptography and Computing:**
  - Applications of ancient number theory in modern encryption algorithms.
  - Use of continued fractions and modular arithmetic in data security.

Suggested Activities:

- Group discussions on the impact of Indian mathematics on modern technology.
- Creating a small cryptographic model using ancient number theories.

Module 5: Practical & Project Work (15 Hours)

Students will work on projects and case studies related to Indian mathematics, such as:

1. **Reading and Interpreting Ancient Texts**
   - Translating select excerpts from Aryabhatiya, Leelavati, and Sulba Sutras.
2. **Mathematical Model Development**

- Constructing a model of ancient Indian geometric constructions.

3. **Comparative Analysis:**
   - Ancient Indian vs. Greek and European mathematical contributions.
4. **Case Study on Ramanujan's Theorems:**
   - Implementing Ramanujan's functions in MATLAB or Python.
5. **Application of Vedic Mathematics in AI and Machine Learning.**

Evaluation Scheme:

Component	Marks (%)
Mid-Semester Examination	20%
Assignments & Presentations	20%
Practical & Project Work	30%
End-Semester Examination	30%
Total	**100%**

Reference Books & Learning Resources:

1. **Shukla, K. S.** – *Aryabhatiya of Aryabhata*
2. **Sarma, K. V.** – *Kerala School of Astronomy and Mathematics*
3. **Datta, B., & Singh, A. N.** – *History of Hindu Mathematics*
4. **Bharati Krishna Tirthaji** – *Vedic Mathematics*
5. **Gaurav Tekriwal** – *Speed Math using Vedic Mathematics*
6. **Rao, S. G. Dani** – *Mathematics in India: From Vedic Period to Modern Times*