



Website: <http://www.sciencecollegebilaspur.ac.in/>

I.Q.A.C.

Govt. E. Raghavendra Rao PG. Science College, Bilaspur (C.G.)

Email: gerrscnaac20@gmail.com

Report of

Date: 20th Feb, 2024

One Week Faculty Development Program (FDP) On
Significance of Indian Traditional Knowledge System for Viksit Bharat
(13th Feb to 19th Feb, 2024)



INTERNAL QUALITY ASSURANCE CELL

Govt. E. Raghavendra Rao Postgraduate
Science College, Bilaspur (C.G.)

Organizes
One Week Faculty Development Program (FDP) on

SIGNIFICANCE OF INDIAN TRADITIONAL KNOWLEDGE SYSTEM FOR VIKSIT BHARAT

13th to 19th Feb, 2024

Inaugural Session: 13th Feb, 24 at 11:30 AM

Patron
Dr. Jyoti Rani Singh,
Principal, Govt. ER PG.
Science College

Chief Guest
Acharya A.D.N. Bajpai
Honorable, Vice Chancellor
ABVV

EMINENT SPEAKERS

Prof. Gauri Mahulikar,
Academic Director, Chinmaya Vishwavidyapeeth, &
Former Head Sanskrit Department, Mumbai University

Prof. G.R. Sinha
Provost (Vice Chancellor),
GSFC University, Vadodara

Dr. Omkar Lal Shrivastava
Prof. of Maths, Govt. Girls PG. College
Rajnandgaon

Dr. Sumit Raj,
Asst. Prof. SVC,
Delhi University

Dr. Alok Kumar Singh,
Asst. Prof. Ramjas College, DU
Former National Convener SHODH

Dr. Ajay Kumar
Asst. Prof.
Central University Kerala

Dr. Sachin Vishwakarma
Asst. Prof. GGU, Bilaspur

Special Guest
Prof. Sudhir Sharma
Honorable, OSD HE

Special Guest
Prof. U. K. Shrivastava
Dr. Member IQAC

Organizing Team

Convenor
Dr. Neeta Gupta,
Coordinator IQAC

Co-Convenor
Dr. Arun Kumar Kashyap,
Co-Coordinator IQAC

Dr. Usha Rathore
Asst Prof.

Dr. R L Pandey
Asst Prof.

Dr. Anamika Shukla
Asst Prof.

Dr. S K Rathore
Asst Prof.

Dr. Vivek Tiwari
Asst Prof.

zoom
Virtual Mode

Registration Link
<https://forms.gle/su95RRPBexC9z5dn8>

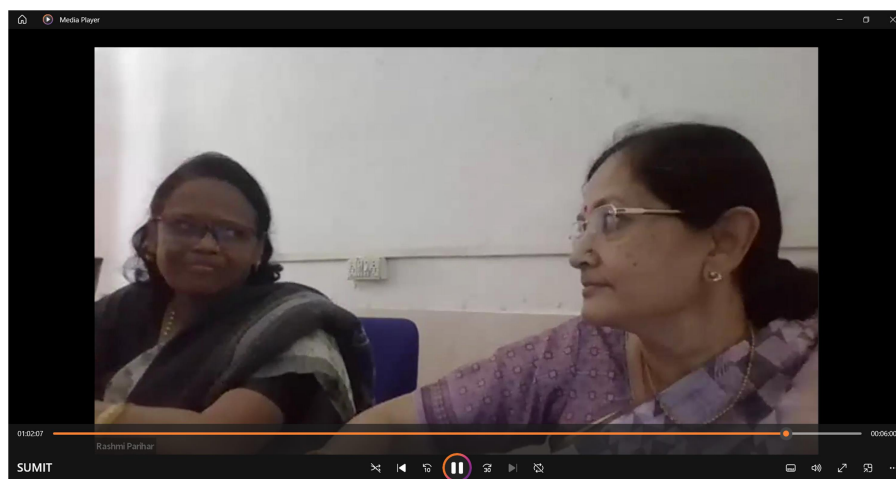
Registration Fee: 100 INR
Beneficiary Name: Govt. E R Rao PG
Science College, Bilaspur
Ac No. 1947789102
IFSC KKBK0000133
Bank Kotak Mahindra Bank, Telipara

Please Join Whatsapp Group for More
Information

eCertificates will be provided to Registered
Participants

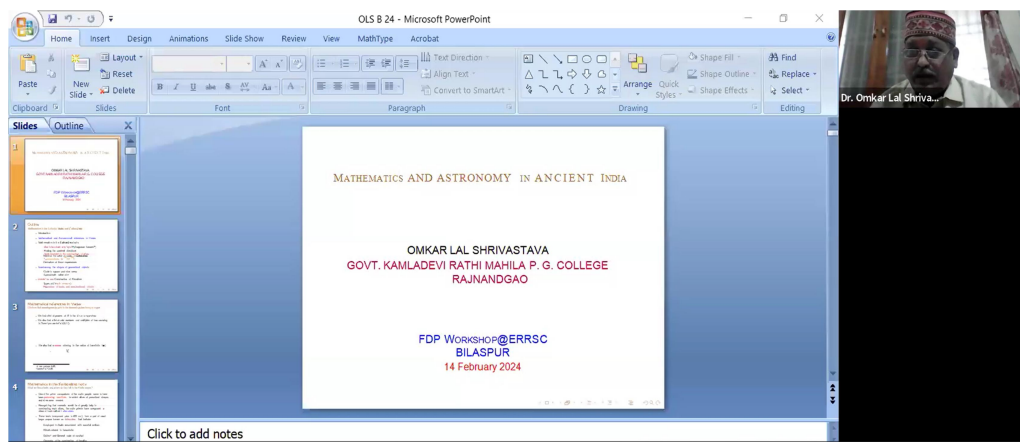


The Govt. E. Raghavendra Rao PG. Science college, Bilaspur organised a week long FDP on significance of Indian traditional knowledge system for viksit bharat from 13th Feb to 19th Feb, 2024. The program was inaugurated by the Honourable Vice Chancellor Prof. A D N Bajpai of Atal Bihari Bajpayee Vishwavidyalaya, Bilaspur. He highlighted the importance of traditional knowledge in the current scenario. The chairman of the program was Principle of the college she welcomes all the participants and highlighted the importance of IKS in the field of science.



The First day Resource person was Prof. Gauri Mahulikar, Her topic of the talk was Indian Knowledge System IKS: Sources of Contemporary Knowledge System CKS. She explained the importance of IKS as a source of contemporary knowledge and how the traditional knowledge can be used for the advancement of the current understanding of science.

The Second day resource person was Dr. Onkar Lal Shrivastava,, he talked on Mathematics and Astronomy in Ancient India and explained the importance of Vaidic maths and indian knowledge about mathematics.



The Śulva (Pythagorean?) theorem

- ▶ A clear enunciation of the so-called 'Pythagorean' theorem – known as *bhujā-ko,ti-karn, a-nyāya* – is found in Śulva-sūtras:⁶

The rope corresponding to the **the diagonal** of a rectangle makes whatever is made by the **lateral** and the **vertical** sides individually.

Terms their meaning

- | Terms | their meaning |
|-------|---|
| | – Rectangle (lit. longish 4-sided figure) |
| | – the diagonal rope |
| | – the measure of the lateral side |
| | – the measure of the perpendicular side |

⁶Bodhayana Śulvasūtra 1.48.

⁷It is an indeclinable that occurs in the Vedic literature:



Dr. Omkar Lal Shrivastava...

On third day resource person Dr Alok Singh of Ramjas College, Delivered a talk on the topic Integrating Science and Tradition: Unveiling ayurvedic principal Through modern research.

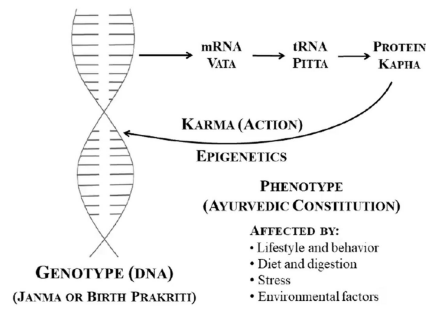
The Doshas...

- The Tridosha theory of Ayurveda explains that there are three fundamental principles or forces, called doshas, which govern the physiology of each individual.
- Each dosha has its own set of characteristics and functions. Vata is a dosha responsible for transfer inside the body which aids in the transmission of molecules to nerve impulses (*Sumantran and Tillu, 2013; Prasher et al., 2017*).
- Vata adds to shape manifestation, cell division, signaling, waste elimination, movement, thought, and it also normalizes the function of Pitta and Kapha. Pitta regulates digestion and various metabolic processes within a cell.
- It also is responsible for energy balance, thermoregulation, vision, pigmentation, and host surveillance, among other things (*Prasher et al., 2016*).



Alok Singh

On fourth day resource person dr Sumit Gupta of Sri Venkataswara College delivered a talk on medicinal plants and their traditional importance in Ayurveda and ancient medicine.



Sharma, H.; Meade, J.G. *Dynamic DNA*; Select Books: New York, NY, USA, 2018.

20XX

presentation title

5

On the fourth day resource person Dr Sumit Kumar Raj delivered talk on Significance of Plants in Vedic Astrology.

Media Player

ccariicar.gov.in/Navrasnak.html

9.	Ketu (Dragon's tail)	North-West	Darbha (Halfa grass)	<i>Desmostachya bipinnata</i>	Poaceae	

2. Rashi Vatika

Details of rashi vatika plants
01:00:41

SUMIT

Type here to search

31°C Sunny



On fifth the resource persn Dr Savchin Vishwakarma of Guru Ghasidas Vishwvidyalaya highlighted the importance of Mnagemnt in IKS.

Same day an eminent speaker Prof G R Sinha Vice Chancellor GSFC University delivered a talk highlighting the importance of AI and IKS.

On last day speker Dr Ajay Kumar talked about the traditional plants and their importance in modern medicine.

The programm was attended by 222 participants of 6 state. It was a successful program providing insight of IKS and its importance in modern day.