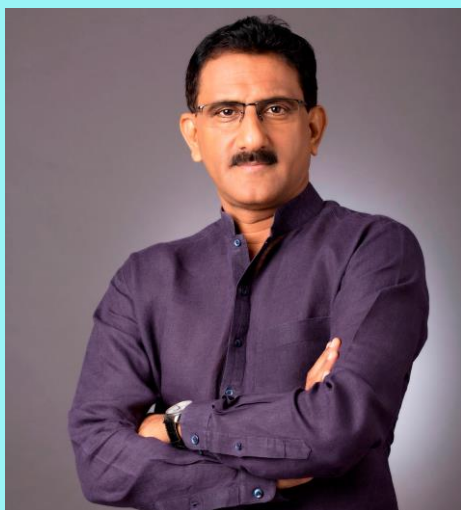


Newsletter January-February 2023

From the Desk of Executive President



Shri. Sunil Rane

Executive – President of Atharva Group of Institutes
and Founder Secretary – AET

I congratulate the Faculty, students and organizing committee for successfully organizing a two days International Conference on the topic **Science Technology Engineering and Mathematics for Sustainable Development (ICSTEMSD-2023)**

The Conference aimed to facilitate close interaction for exchange of views & dissemination of knowledge and discuss the practical challenges to integrate STEM with sustainable development. This conference provided a platform to come face to face with pioneers in the field leading to promotion and facilitation of recent development and discover more pathways for methodological and technological exploration.

I wish all the technocrats, researchers; academicians had a fruitful collaboration and congratulate them for their valuable contribution in Research and Technology

Sunil Rane

Founder Secretary, Atharva Educational Trust
Executive President, Atharva Group of Institutes

International Conference on Science Technology Engineering & Mathematics for Sustainable Development (ICSTEMSD 2023)

International Conference on Science Technology Engineering & Mathematics for Sustainable Development (ICSTEMSD 2023) was organized during February 16 to 17, 2023. The conference was multidisciplinary in nature covering area such as Communication and Networking Applied Computing and IT: Recent Trends in Power System: Electronics Technologies: and Advanced Research in Science Technology & eLearning.



Inauguration and Conference Proceedings Reveal was done by Ms. Kishori Gadre Ex. Additional Collector - Pune, Dr. Krishna Vedula- Executive Director IUCEE, Dr. P. R. Kulkarni - Professor and Head -Mechanical Engineering Department, WIT, Solapur, Dr. P. N. Nemade- Director-ACE, Dr. S. P. Kallurkar- Principal-ACE, and Dr. Ritu Sharma- HOD HAS-ACE. This was followed by Keynote session and discussion on Sustainable Development by the dignitaries. Parallel sessions of paper and poster presentations were conducted.

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ICSTEMSD 2023

The second day, February 17, 2023 started with keynote sessions by Dr. Jay P. Gore (Prof. Purdue Univ.) and Dr. RajaRao Pagidipalli (Chairman, Vishwa Humanity United Royal Council, India) and Mr. Ashweni Jain (Asst. Vice President, Adani Electricity, Mumbai). This was followed by Panel discussion on creating sustainable businesses.

The conference concluded with Valedictory function on February 17, 2023. The Chief Guest Dr. RajaRao shared his thoughts followed by the concluding remarks by Dr. S.P. Kallurkar, distribution of prizes and vote of thanks by Dr. Ritu Sharma.

EMBER E-Cell and I-Cell Activities

EMBER E Cell and I Cell of Atharva College of Engineering organized a program on January 12, 2023 celebrating National Youth Day. Dr. S. P. Kallurkar, Principal-ACE and Prof. Mohan Kumar, Professor EXTC Department, spoke on the occasion. This session was to inculcate an entrepreneurial mindset among students so that they can start their own ventures and create jobs for the youth of our nation.



Awareness program on Innovation and startup incubation

Awareness program on Innovation and startup incubation for SE and TE students was arranged on January 23, 2023. The sessions were conducted by Dr. Ulhaskumar Gokhale, Professor EXTC Department. Sessions included discussions on topics such as innovation, Startups; Risks involved in startups, evidence based entrepreneurship, incubation process, and ACE Incubation center's support to start-ups.



Problem Solving and Ideation workshop using iGen

ACE IIC in collaboration with INFT Department had organized session on February 7, 2023 a Demonstration session on usage of 3D Idea Generation and Mind Mapping tool and “ Problem Solving and Ideation workshop ” using “iGen” cube for SE students (INFT Branch) in i-Lab

Activity was conducted by Prof. Deepali Maste and Prof. Suchetadevi Gaikwad in iLab which focused on: understanding of iGen cube Software and Xmind, created mind maps to check if the idea generated out of the problem statement is feasible, hands-on training on iGen cube Software and Xmind.



Achieving Problem-Solution fit and Product-Market fit

Session on Achieving Problem-Solution fit and Product-Market fit as a part of I-cell activity was executed by Dr. Bhavin Shah on February 13, 2023. The Session was focused on the thrust area of avoiding early stage startup failure. Students understood the Market research and study of customer needs & wants for early stage startup, Achieving Problem Solution Fit, Product-Market Fit.



Workshop on Revolution of Renewable Energies Bionic way- Tool for Design Thinking

ACE Innovation Cell organized Workshop on Revolution of Renewable Energies Bionic way- Tool for Design Thinking for attitude, entrepreneurial skills and behavior development. Session was conducted by Prof. Kshipra Pandey on February 28, 2023. Workshop included 2 sessions: First explanation of concept of Bio-mimicry and its case studies, Second: Ideas designed by the students considering bio-mimicry as the tool.



Humanities and Sciences Department Activities

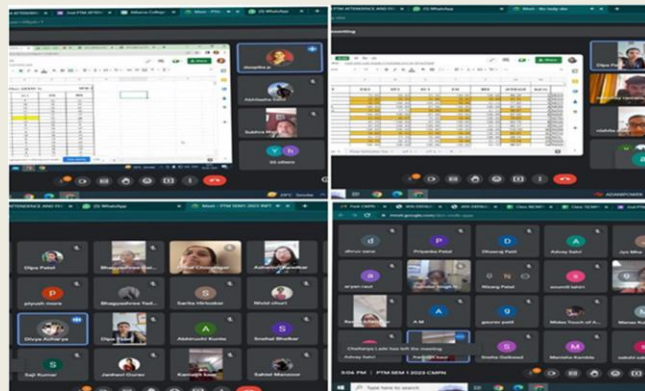
Induction session on Emotional Intelligence



The Department of Humanities and Applied Sciences organized an Induction session on 09th January 2023 by Dr. Ritu Sharma on “Emotional Intelligence” for F.E students to help them develop and embrace their attitudes, feelings, and capacities. The session will help students to be Emotional intelligence and manage their emotions in positive ways to relieve stress, overcome challenges and defuse conflict.

Parent Teacher Meeting

The Department of Humanities and Applied Sciences organized online Parent Teacher Meetings (PTM) for FE Students from 6th January 2023 to 9th January 2023 and on 10th February 2023. The purpose of the meeting was to have a common platform where teachers and parents come together to mold student’s educational experiences.



Guest Lecture on topic- Enhance learning with PBL



The Humanities and Applied Sciences Department organized a Guest Lecture on the topic “Enhance learning with PBL” on, 16th January 2023. The lecture was delivered by Dr. Vinita Khatri (Assistant Professor, NMIMS). The Speaker emphasized the importance of self-learning and applicative knowledge in PBL. Speaker highlighted the advantages of Project-Based Learning over traditional teaching and significance of 4C’s in PBL.

Industrial Visit



The Humanities and Applied Sciences department organized an Industrial Visit to Square Propack, Vasai (East) for FE students on 27th January 2023. The Students observed the functions of extrusion molding machine, fully automatic printing machine, capping and sealing machine of tubes. The visit enhanced knowledge of the equipment used for tube extrusion and contemporary printing techniques. IV was an opportunity to learn how different sectors of the industry work and perform day-to-day tasks. Industrial visits helped the students to enhance their teamwork and interpersonal skills.

FE Induction 2022-2023

The Department of Humanities and Applied Sciences (HAS), organized **Induction of FE** students in the month of **November 2022**, wherein lots of activities were conducted to give a platform to students to enhance their hidden talents among the students.

The sessions included topics such as “Simplicity and Originality” by Principal ACE Dr. S.P. Kallurkar, “Art of Living’s Mind Matter Session” by Ms. Vasudha Jhunjhunwala (a social worker, faculty at the Art of Living foundation); Various other topics on Universal Human Values such as sympathy, empathy, compassion, understanding harmony and perseverance, prosperity were discussed.

As well as topics such as Gandhian Philosophy, Time Management, Personality Development, Story Narration, Literary Arts –Dance, Singing, Poetry, Drama, Painting and Rangoli were considered

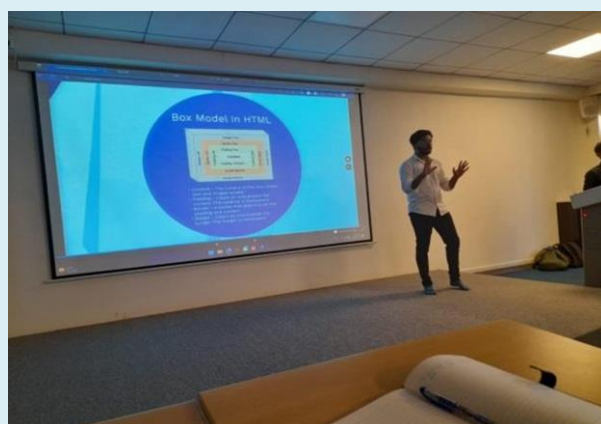
FE students had a great opportunity to showcase their talents and be familiar with other students by working in teams.



Computer Engineering Department Activities

One Day Workshop on Full Stack Development

The Department of Computer Engineering Atharva College of Engineering organized a Workshop on “Full Stack Development” on 12th January 2023 for SE Students. The Speaker, Ms. Pratima Yadav, software consultant, GoldenSource, Mumbai and her team. They provided in depth information to students related to technologies used in front end and back end of an application and introduced in brief the Django framework used in back end for website development.



A Seminar on "Data Analytics"

The Department of Computer Engineering Atharva College of Engineering organized a Seminar on **"Data Analytics"** on 13th January 2023. The Speaker Simran Deshmukh, Data analyst, intern, Rochester Institute of Technology, USA. Speaker provided in-depth information to students related to Leetcode and Hackerrank tools used in data analytics. She focused on basics of data analytics and statistical data analysis techniques. The session was attended by SE and TE students.



Industrial Visit to ONGC

Department of Computer Engineering students from SE, TE and BE visited ONGC, Mandovi dockyard, Inter Solar, Woodmac group Industries to acquire knowledge about functioning of industries.



Information Technology Department Activities

Workshop on Flutter and Dart

The Department of Information Technology of Atharva College Of Engineering with Google Developer Student Club committee of Information Technology organized workshop On Flutter And Dart on 7th January 2023 by Vivek Yadav (Google Expert in Flutter And Dart) and Aditya Suthar (IIM Nagpur). Mr. Vivek Yadav and Mr. Aditya Suthar guided the students to work on Flutter and dart, Uses of flutter, Flutter in backend and frontend.

They also emphasized the difference between Flutter, Java, Kotlin and Dart, Project and Product Management for App Development etc. It was indeed an informative and interactive session which proved to be beneficial for the students.



Training and Placement sessions

Department of INFT organized Training and Placement sessions along with the Training and placement cell of ACE for TE students on 13th February, 2023.

Session included discussions on topics such as Aptitude skills, Technical and Non-Technical skills, and how to prepare for written tests conducted by companies.

The session was conducted by the Placement Coordinators Mr. Saugat sir, Mr. Sanish Mathew, and Ms. Nishi Parikh. 120 students were present for the training and placement session.



EXTC Department Activities

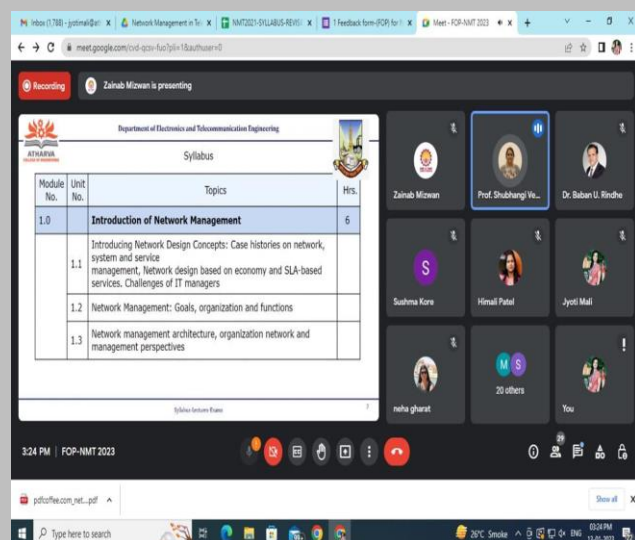
Webinar on "Financial management"

Department of EXTC organized a webinar on "Financial management" for SE and TE students on 20th January 2023. The session was conducted by Mr. Amol Koltewar, Founder, Director, Trader of BBTA Global, Mumbai. Session included discussions on topics such as stock marketing, trading and how to develop a career in this field.



Orientation Program of DLO subject of BE' "Network Management in Telecommunication"

Department of EXTC organized an Orientation Program of DLO subject of BE' "Network Management in Telecommunication" for Mumbai University faculties on 13th January 2023. Dr. Jyoti Mali was convener of the orientation. In depth knowledge of the subject along with the syllabus, module wise weightage, reference books and NPTEL courses are explained to all faculties.



Electrical Engineering Department Activities

Hands-on workshop on PCB Fabrication and Designing:

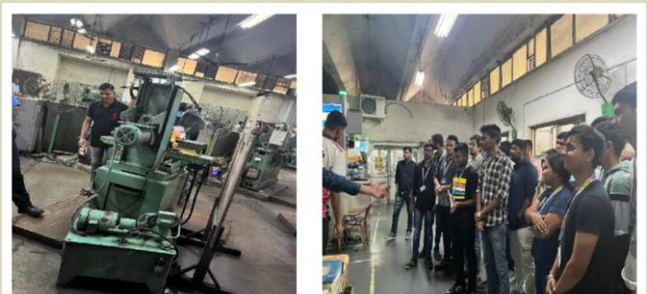
The Department of Electrical Engineering conducted a "Hands-on workshop on PCB Designing and Fabrication" for faculty members on 22-Feb-2023. To fulfill the Industry goals and requirements, Hands-on session on PCB Fabrication and Designing under the coordination and execution by Mr. Ramkrishna Morajkar from Crescent Graphics was present. Session included steps in designing PCB for a sample circuit along with the fabrication process. The session was facilitated by Mr. Pramod Shevde.



Industrial Visit to IDEMI-

Electrical Engineering Department organized one day Industrial Visit to Institute for Design of Electrical Measuring Instruments (IDEMI), Sion, Mumbai on 10th February, 2023. The Industrial visit was attended by second and third year students.

In Industrial visit students understood the calibration of mechanical and Electrical measuring instruments and how their inspection is done. Students observed the process of testing of electrical, electronic and process control instruments, sensors, transducers and electrically operated domestic appliances.



Faculty Achievements

- Dr. Jyoti Mali (EXTC Dept.) attended FDP on “Startup Incubation Training Program” organized by Maharashtra State faculty development academy in collaboration with riidl, Somaiya Vidyavihar, Mumbai in January 2023
- Prof. Mahalaxmi Palinje, Prof. Jyoti Mali, Prof. Mohan Kumar, Prof. Prajakta Pawar, Prof. Supriya Dicholkar, Prof. Jyoti Gurav, Prof. Payal Khambhatii attended the orientation for different Mumbai University subjects such as “Satellite and Nano satellite communication, Wireless network, Game theory using AIML, Network Management in Telecommunication, Augmented reality and Web Designing.
- Prof. Supriya Dicholkar (EXTC Dept.) attended a workshop on “Industry 4.0 & Smart Manufacturing” organized by dept. of Electronics Engineering, K. J. Somaiya Vidyavihar, Mumbai, from February 02 to 04, 2023.
- Prof. Jyoti Gurav (EXTC Dept.) attended “IP Awareness Training Program” organized by National Intellectual Property Awareness Mission on February 08, 2023.
- Prof. Mahalaxmi Palinje was invited as Evaluator for “Project based Learning Poster Competition of Multicon 2023” at Thakur College of Engineering and Technology during February 21 to 23, 2023.
- Dr. Suvarna Pansambal (Head, Computer Engineering Dept.) published her 56th and 57th book on Natural language processing and Digital forensics for the academic year 2022-23.
- Prof. Bhavna Arora from department of Computer Engineering published paper titled “AI in entertainment –movie recommendation using cosine similarity” in IEEE Xplore 6th International Conference on Computing, Communication, Control and Automation.
- Dr. Bhavin Shah, Head of the Department (EXTC/ECS) is invited as a Speaker for the International Conference on Education for Sustainable Development at International Internship University.
- Dr. Nirnanjan Samudre from Electronics and Computer Science Engineering completed Ph.D. on the topic “Emotion Recognition using Inference System” from Pacific University, Rajasthan.

Student Achievements

- Ashlesha More (SE INFT) secured three silver medals and one bronze medal at 49th Bombay YMCA Swimming Galaa- 2023 held at Bombay YMCA from 11th- 12th February, 2023.
- Amey Pandit, Shravani Jeurkar and Guide Prof Pranoti Nage (TE INFT Students) published research paper in IEEE journal on the topic "Diabetic Retinopathy Detection using Android Application".
- Siddharth Lahu Tayade from third year (CMPN) qualified in Cyber Security (Deep Dive Hacking and Pentesting) from EC –COUNCIL.
- Om Amonkar, Gautami Gupta, Omkar Laxman Patil from TE (CMPN) participated in Amity University's Hackathon.
- Tanvi Kharatmal (FE EXTC) completed her NCC in Army Wing; she secured 'A' grade in her B Certificate Examination in the year 2022, which is conducted by the Ministry of Defence. She also secured "Best in Overall Medal" in Pre-IGC Thal Sainik Camp (TSC) held in Khadavali. On 26th January, 2023 she got Certificate of Merit from Chief Guest Capt. Amit Sanyal.
- Pranav Adate, Karan Mhatre, Akshay Natuskar and Sujay Tawde (TE EXTC) won 1st prize in poster presentation in ICSTEMSD-2023 on the topic “Smart Irrigation System”.
- Mansi Devda , Tilottama Ingale, Aryan Jadhav, Deepansh Londhe (SE EXTC) won 3rd prize in poster presentation in ICSTEMSD-2023 on the topic “Nanotechnology in Display and Communication”.
- Atharva Palaskar (BE EXTC) under the guidance of Dr. Jyoti Mali presented the project “A Voice Assistant Well-being Robot" at Kalyantra:IITB project competition and won 3rd prize.
- Prerak Gada, SE (ECS) student and his team secured second prize in S.P.I.T. Hackathon held on February 4 and 5, 2023 at SPIT, Mumbai, sponsored by AICTE SPICES.
- Om Padhi, SE (ECS) student got gold medal in Khawanke (Kata) and bronze medal for Loba (Fight) at 23rd Nationals SQAY Championship 2023 held at Uttarakhand, Haridwar.

Training and Placement

The Placements for 2023 batch during month of January 2023 & February 2023 are as given below:

Branch-wise Placements Report 2022-23	
Branch	Total Offers
Computer Engineering	110
Information Technology	115
Electronics & Telecommunication	38
Electronics Engineering	19
Electrical Engineering	13
Total	295

Faculty Development Programme

Atharva College of Engineering conducted a Faculty Development Program. It was conducted by **Dr. Ulhas Kumar Gokhale** from EXTC department on “**Program Curriculum & Teaching Learning Processes**” on February 03, 2023.



Atharva College of Engineering conducted Faculty Development Program. It was delivered by **Prof. Jyoti Gurav** from EXTC department on the topic “**Photoplethysmography**” on January 13, 2023.



ETRX/ Electronics and computer Science Department Activities

Industrial Visit at MTNL Powai

Electronics and computer Science Department organized an Industrial Visit at MTNL, Powai, Mumbai, on 6th March, 2023. The motive of the visit was to gain practical knowledge about industrial aspects in wired and wireless communication architectures. The visit was accompanied by Prof. Nilesh Shimpi.

During the visit, student's got the idea about following concepts:

- Local Telephone Exchange
- Broadband – DSLAM
- PCM/OFC / DWDM
- BTS - GSM System
- MDF, Battery Power Plant
- NIB cloud unit (Mumbai Zone)



NSS Activities

Street Play – 26th January, 2023

The NSS Unit of Atharva College of Engineering is proud of. Mr. Sahil Bhosale, an NSS volunteer of this Institute, was selected for the grand Republic Day parade which is being conducted in the Kartavya Path, New Delhi. Sahil got the honor to march in front of our Tiranga, the Prime Minister, and many great personalities.



Cleanup Premiere League – December 2022 to March 2023

The volunteers of NSS Atharva have taken part in the Cleanup Premier League (CPL) organized by 'For future India' (FFI) Organization. As part of the CPL, the volunteers took part in various beach clean-ups and mangroves cleanup events across Mumbai's Western Zone which include Manori Beach, Manori Khadi, Gorai Beach, Bhayandar Khadi, velankanni Beach and other neighboring locations.



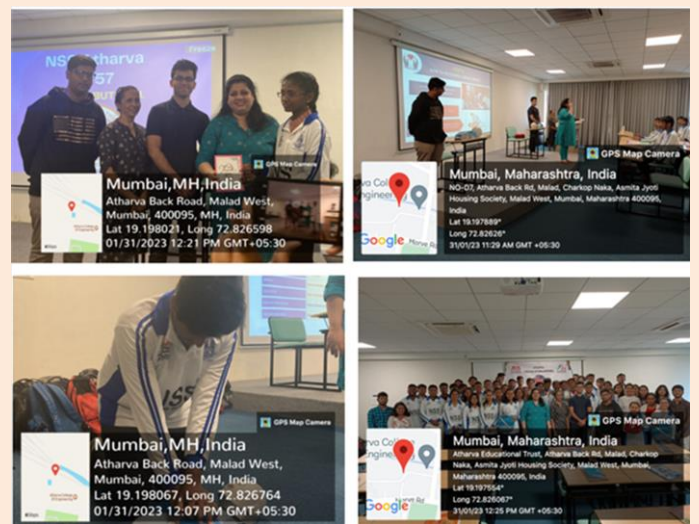
IGNEEL Fest – 19th January, 2023

On 21th January 2023, NSS Atharva B-57 participated in District Level IGNEEL FEST organised by the NSS Unit of Bhavans H S College, Chowpatty. There were various competitions like Debate competition, Face painting, Street Play, Quiz, PPT, Group Dance, etc. Two of the volunteers of NSS Atharva received 1st prize in Debate Competition.



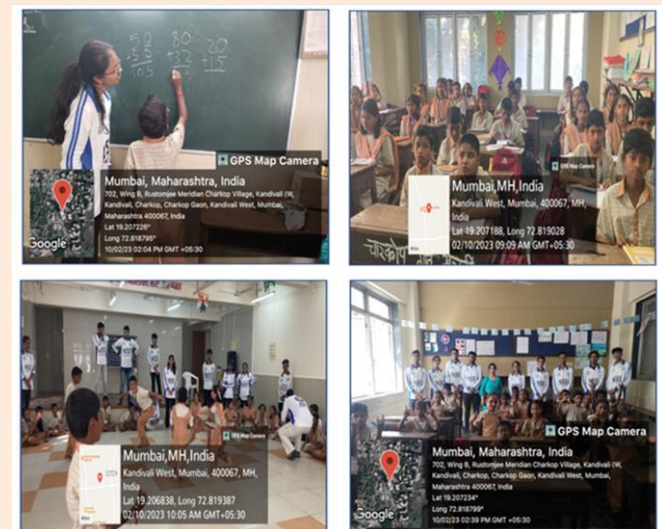
CPR Training Session – 31st January, 2023

NSS Atharva B-57 Unit took part in a CPR (Cardio Pulmonary Resuscitation) Training workshop organized by Revive Heart Foundation. The speaker of the workshop was Ms. Sumaiya Raghavan who is the operational head of the Revive Heart Foundation (iCare), Holy Family Hospital, Bandra.



Educational Activities at adopted school – 10th February, 2023

NSS Atharva has adopted two different BMC Schools - Charkop Village BMC School and Ganesh Nagar BMC School at Kandivali (West). Various fun and educational activities are conducted by the NSS volunteers for the children.



Editorial Board

Dr. Ramesh Kulkarni, Principal, ACE, Malad.

Dr. Ritu Sharma, Head (HAS Dept.)

Dr. Niranjana Samudre, Asst. Prof. (ECS Dept)

Any information or suggestions are welcomed at niranjansamudre@atharvacoe.ac.in.

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