



GOVERNMENT OF GOA
DIRECTORATE OF HIGHER EDUCATION
&
GOA STATE HIGHER EDUCATION COUNCIL



A MEGA SCIENCE SERIES TO CELEBRATE NATIONAL SCIENCE DAY 2023

VIDNYAN DHARA

12TH JANUARY-28TH FEBRUARY 2023

A series of events: lectures, demonstrations, exhibitions,
public lectures to inspire young minds of Goa.

Co-ordinators



Prof. Vithal Tilvi
Professor, GSHEC



Dr. Mahesh Majik
Associate Professor,
GSHEC



Ms. Vandana Sawant
Assistant Professor



vidnyandhara.gshec@gmail.com



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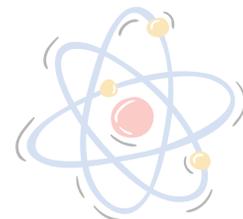


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A MEGA SCIENCE SERIES TO CELEBRATE NATIONAL SCIENCE DAY 2023

WEEK 6: PROGRAM SCHEDULE

20TH FEBRUARY 2023, MONDAY



Title: How is climate change impacting the world's ocean

Resource person: Dr. Suhas Shetye

National Institute of Oceanography, Donapaula

Venue: Agnel Institute of Technology & Design, Assagao



Title: Marine Natural Products: Source of Modern Drugs

Resource person: Dr. Supriya Tilvi

National Institute of Oceanography, Donapaula

Venue: Dnyanprassarak Mandal's College and Research Centre, Assagao



Title: Fermented foods and their impact on gastrointestinal health and wellness

Resource person: Dr. Auren R. Lemos Godinho Gomes

Government College of Arts, Science and Commerce, Khandola

Venue: St. Francis Xavier Higher Secondary School, Marna



Title: Intelligent use of Biomedical Sensors

Resource person: Prof. Niyan Joseph Savio Marchon

Goa State Higher Education Council

Venue: New Era High School, Margao, Goa





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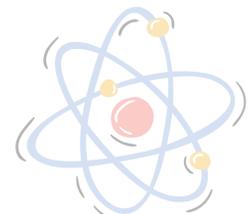


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WEEK 6: PROGRAM SCHEDULE

20TH FEBRUARY 2023, MONDAY



Title: Careers & Research in Home Science OR History of Ethics in Research

Resource person: Larissa Rodrigues
Goa College of Home Science

Venue: St. Bartholomew's High School - Chorao



Title: Natural Language Processing and Language Models

Resource person: Apurva Nagvekar
Crimson AI Pvt Ltd

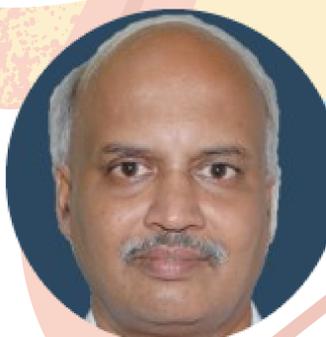
Venue: Goa State Higher Education Council, Porvorim



Title: Climate Change- Sustainable Development

Resource person: Dr. Bhanumati Pilli
Parvatibai Chowgule College of Arts and Science, Margao

Venue: Gaunkar Higher Secondary, Raia



Title: Monsoons, Cyclones, Climate Change, Remote Sensing, Antarctica

Resource person: Dr M R Ramesh Kumar
Chief Scientist (Retd), National Institute of Oceanography

Venue: HPSM's Ganpat Parsekar College of Education, Harmal



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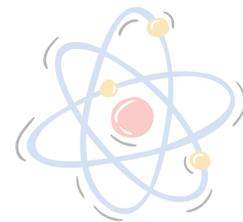


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A MEGA SCIENCE SERIES TO CELEBRATE NATIONAL SCIENCE DAY 2023

WEEK 6: PROGRAM SCHEDULE

21ST FEBRUARY 2023, TUESDAY



Title: Computational Thinking
Resource person: Vandana Naik
Goa State Research Foundation
Venue: Government High School , Merces



Title: Indian Monsoon and Polar Climate Reconstruction
Resource person: Dr. Vikash Kumar
National Centre for Polar and Ocean Research
Venue: DPM's Shree Mallikarjun and Shri Chetan Manju Desai
College Delem-Canacona



Title: Robotics for Oceanography
Resource person: Dr. Pramod Kumar Maurya
CSIR National Institute of Oceanography
Venue: Goa College of Agriculture, Ella Goa



Title : Avifaunal Diversity of Goa
Resource person: Ms. Filomena Pereira
Parvatibai Chowgule College of Arts and Science, Margao
Venue: Our Lady of Lourdes High School, Majorda





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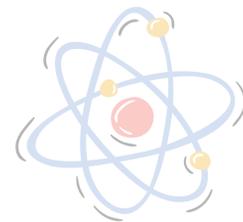


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A MEGA SCIENCE SERIES TO CELEBRATE NATIONAL SCIENCE DAY 2023

WEEK 6: PROGRAM SCHEDULE

21ST FEBRUARY 2023, TUESDAY



Title: Energy conversions using natural sunlight

Resource person: Dr. Pritam Borker

P.E.S's R.S.N. College of Arts & Science, Farmagudi, Ponda

Venue: Government High School Betoda



Title: Science and Technology for a Sustainable Future

Resource person: Royle Fernandes

Dnyan Prabodhini Mandal's Shree Mallikarjun & Shri. Chetan

Manju Desai College Delem , Canacona

Venue: S.S. Angle Higher Secondary School, Cancona



Title: Green Comet 2023 : Carbon & Life

Resource person: Dr. Sagar Narayan Patil

Government College of Arts, Science & Commerce, Sankhali

Venue: Dr K B Hedgewar , Sanquelim



Title: Glass - From Phones to Bones

Resource person: Dr. Manjunath Nayak

Carmel College of Arts, Science and Commerce for Women

Venue: St. Anthony'S High School, Majorda





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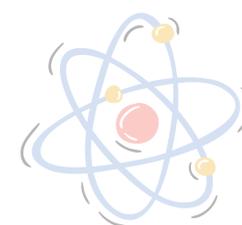


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WEEK 6: PROGRAM SCHEDULE

21ST FEBRUARY 2023, TUESDAY



Title: Laterites of Goa

Resource person: Dr. Ankeeta Amonkar

Dnyanprassarak Mandal's College and Research Centre

Venue: St. Britto High School, Mapusa



Title: Sustainable Development for Wildlife and People

Resource person: Pratiksha Sail

Dnyanprassarak Mandal's College and Research Centre

Venue: Mae Dos Pobres High School, Salcette

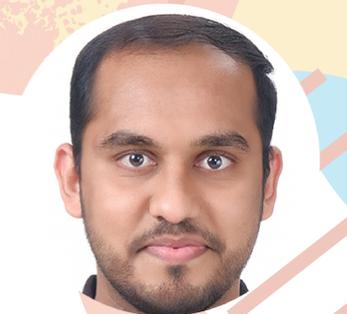


Title: Role of seismology in the Earth sciences

Resource person: Dr. Amit Kumar

National Centre for Polar and Ocean Research

Venue: Don Bosco College of Engineering, Fatorda.

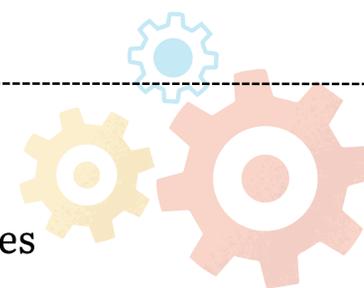


Title: Natural Products and Medicinal Chemistry

Resource person: Dr. Dipesh Sakharam Harmalkar

Dnyanprassarak Mandal's College and Research Centre, Assagao

Venue: Government High School, Chandel, Pernem





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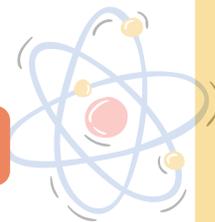


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WEEK 6: PROGRAM SCHEDULE

22ND FEBRUARY 2023, WEDNESDAY



Title: Antarctic coastal regions in changing climate scenario: What's known and what's next?

Resource person: Dr. Shramik Patil

National Centre for Polar and Ocean Research

Venue: Government College of Arts, Science and Commerce, Quepem



Title: Cardiopulmonary resuscitation (CPR) Basics

Resource person: Dr. Brendan Peroz

Goa Medical College, Bambolim

Venue: Padre Conceicao College of Engineering, Verna



Title: Zoonotic Diseases

Resource person: Ms. Prasanna Naik Gaonkar

Parvatibai Chowgule College of Arts and Science, Margao

Venue: St. Xavier's High School, Velim



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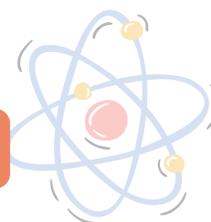


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WEEK 6: PROGRAM SCHEDULE

22ND FEBRUARY 2023, WEDNESDAY



Title: Probiotics for improved health

Resource person: Dr. Valerie Gonsalves

St. Xavier's College, Mapusa

Venue: Manovikas English Medium School, Salcete



Title: Microbial food products

Resource person: Anchit R. Shet Parkar

PES's RSN College of Arts & Science Farmagudi

Venue: Sharda English High School, Durbhat



Title: A whiff of Physics

Resource person: Karesh Nagesh Phondekar

Ganpat Parsekar College of Education

Venue: Pradnya High school Korgao, Pernem

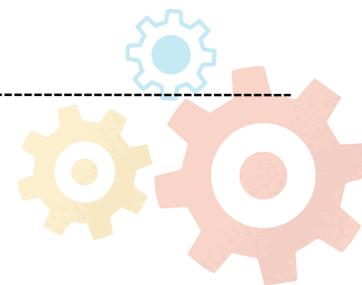


Title: Career opportunities with chemistry

Resource person: DR. Hari K. Kadam

Goa University, School of Chemical Sciences

Venue: Fr. Agnel High School, Pilar





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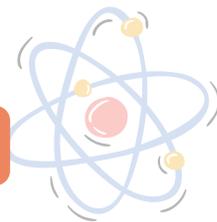


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WEEK 6: PROGRAM SCHEDULE

22ND FEBRUARY 2023, WEDNESDAY



Title: Let's Talk Science!

Resource person: Dr. Pradnyesh Satardekar

Government College of Arts, Science and Commerce, Khandola

Venue: Shree Bhagwati High School, Pernem



Title: Sustainable Computing

Resource person: Gargi Alavani

Government College of Arts Science and Commerce, Sanquelim

Venue: GVM's Pragati Vidyalaya, Borim



Title: Green Comet 2023 : Carbon & Life

Resource person: Dr. Sagar Patil

Government College of Arts Science and Commerce, Sanquelim

Venue: St Michael School , Taleigao



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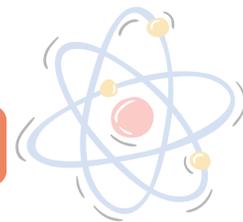


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WEEK 6: PROGRAM SCHEDULE

23RD FEBRUARY 2023, THURSDAY



Title: Environmental Geology

Resource person: Magnolia Aurea Miranda

Government College of Arts, Science and Commerce, Sanquelim

Venue: Gurudas Gauns High School, Sanquelim



Title: Interactive Tools for Science and Maths

Resource person: Virroy Dias

Carmel College of Arts, Science and Commerce for Women

Venue: Raghuvir and Premavati Higher Secondary School, Chorao



Title: Why Mathematics is interesting

Resource person: Dr. Chitra Mekoth

Parvatibai Chowgule College of Arts & Science, Margao

Venue: Our Lady of Snow High School, Raia

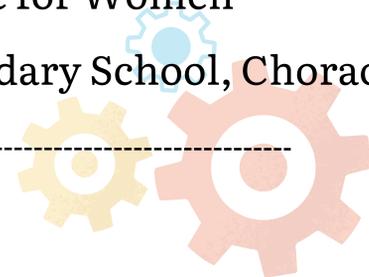


Title: Understanding natural ecosystems of Goa with emphasis on coastal sand dunes, mangroves and lateritic plateaus

Resource person: Dr. Ashish Venkatesh Prabhugaonkar

DCT's Dhempe college of arts and science, Miramar

Venue: Kasturba Matoshri High School, Panaji





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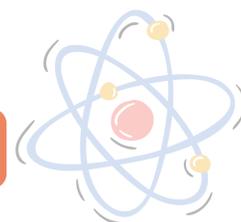


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WEEK 6: PROGRAM SCHEDULE

23RD FEBRUARY 2023, THURSDAY



Title: Medicines from nature: Interesting facts

Resource person: Dr. Mahesh Majik

Goa State Higher Education Council

Venue: Shri Mahamaya High School, Bicholim



Title: Microbial technology for sustainable future

Resource person: Milind Naik

Goa University

Venue: The Rosary High School, Cujira



Title: Cyber Security and Cyber Laws

Resource person: Mr. Amar Ramesh Naik

Government College of Arts, Science and Commerce, Sanquelim

Venue: Govind Gunaji Sawant High School, Sarvan

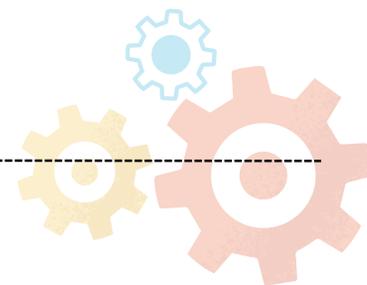


Title: Chemistry in Everyday Life

Resource person: Dr. Mayuri Naik

Parvatibai Chowgule College of Arts & Science, Margao

Venue: Auxilium High School, Benaullim





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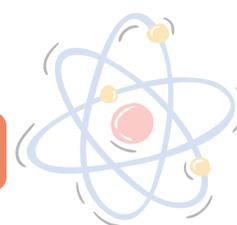


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WEEK 6: PROGRAM SCHEDULE

23RD FEBRUARY 2023, THURSDAY



Title: Global warming or climate change, ozone depletion

Resource person: Ms. Deeksha Naik Talaulikar

Vidya Prabodhini College of Commerce, Education, Computer and Management

Venue: Popular English High School , Goa Velha



Title: Computers in medicinal Chemistry

Resource person: Dr. E. Vadivel

Dnyanprasarak Mandal's College and Research Centre, Assagao

Venue: Our Lady of Merces High School, Merces



Title: Women in Science and Technology

Resource person: Dr. Madhavi Zilba Naik

Carmel College of Arts Science and Commerce for Women, Nuvem

Venue: Old Goa Educational Institute, Ella



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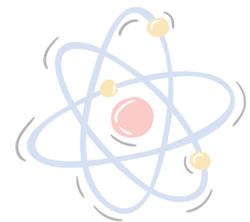


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A MEGA SCIENCE SERIES TO CELEBRATE NATIONAL SCIENCE DAY 2023

WEEK 6: PROGRAM SCHEDULE

24TH FEBRUARY 2023, FRIDAY



Title: Food Adulteration

Resource person: Dr. Prajyoti P Gauns Dessai

Government College of Arts, Science and Commerce, Sanquelim

Venue: Pope John XXIII Regional High School, Quepem



Title: Cyber Security

Resource person: Megna Gavde

Goa State Research Foundation

Venue: Matoshri Anandibai Vaman Marathe Vidyamandir,
Dharbandora

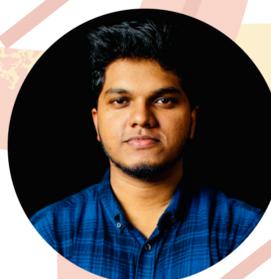


Title: Data Mining

Resource person: Vinita Naik

Goa College of Music, Altino

Venue: People's High School, Camurlin



Title: Introduction to networking basics

Resource person: Darryl Greg Savio Pereira

Government College of Arts, Science and Commerce, Sanquelim

Venue: Rosary High School, Margao, Navelim





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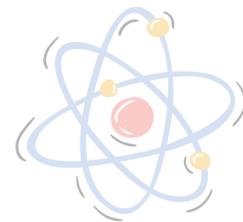


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WEEK 6: PROGRAM SCHEDULE

24TH FEBRUARY 2023, FRIDAY



Title: Web Development

Resource person: Paresh Asvenkar

Directorate of Higher Education

Venue: Vidyaniketan High School, Calangute



Title: Cyber Security

Resource person: Ramita P. Karpe

Padre Conceicao College of Engineering, Verna

Venue: Smt. Chandrabhaga tukoba Naik High School, Curchorem



Title: The Chemistry In Our Everyday Life

Resource person: Lactina Regina Gonsalves

Parvatibai Chowgule College of Arts and Science , Margao

Venue: Late Shri Vinayak Gopal Shenvi Vidyalaya , Margao

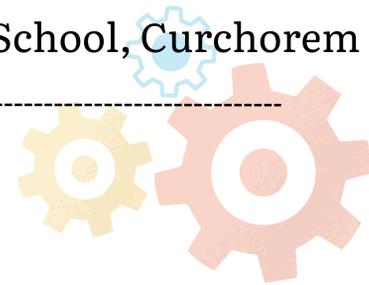


Title: Nature's magic exhibited by plants

Resource person: Ms. Shubha Kauthankar

Government College of Arts ,Commerce and Science, Sanquelim

Venue: Radha Krishna High School, Bicholim





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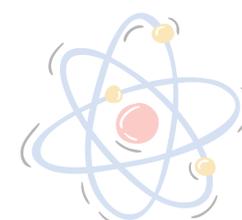


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WEEK 6: PROGRAM SCHEDULE

24TH FEBRUARY 2023, FRIDAY



Title: Exploring the diversity of Non Timber Forest Products and its Ethnobotanical importance

Resource person: Chaitali C. Verenkar

P.E.S's RSN College of Arts and Science, Farmagudi

Venue: Government High School, Dhaushire, Usgao



Title: Design and synthesis fluorescent molecule for the detection of toxic analytes

Resource person: Dr. Ram Uttam Gawas

Dnyanprassarak Mandal's and Research Centre, Assagao

Venue: Mahalaxmi High School, Kudne



Title: Marine Bioprospecting

Resource person: Dr. Narsinh Thakur

CSIR-National Institute of Oceanography, Dona Paula

Venue: Dhempe College of Arts & Science, Miramar



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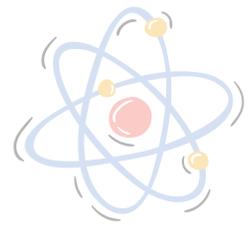


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24TH FEBRUARY 2023, FRIDAY



Title: science in Maintaining and improving Our society and Economy and Environment

Resource person: Dr. Melwin Dsouza
St. Joseph Vaz college

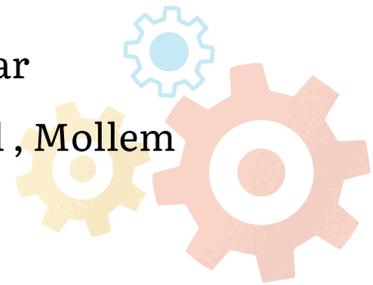
Venue: Jawaharlal Nehru Higher Secondary School, Margao



Title: Preferably in the field of Electricity, Magnetism and Electronics

Resource person: Dr Satish Hari Prabhu Keluskar
Shri Atal Bihari Vajpai Higher Secondary School , Mollem

Venue: V M Parulekar Hr. Sec. School , Verem



Title: Being safe online

Resource person: Abhishek Gudekar
Goa College of Home Science, Campal

Venue: Shree Ram Vidya Mandir, Colvale



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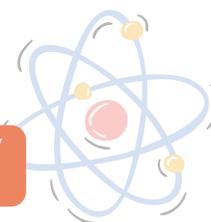


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A MEGA SCIENCE SERIES TO CELEBRATE NATIONAL SCIENCE DAY 2023

WEEK 6: PROGRAM SCHEDULE

25TH FEBRUARY 2023, SATURDAY



Title: Cyber Safety: The dos, don'ts and everything in between

Resource person: Ravina Rodrigues

Padre Conceicao College of Engineering, Verna

Venue: Marina English High School, Verna



Title: Internet of Things (IoT)

Resource person: Vandana Sawant

Government College of Arts, Science & Commerce, Sanquelim

Venue: St. Michael Higher Secondary School, Taleigao



Title: There is no Planet B

Resource person: Ashvek Shanbhag

Shree Mallikarjun and Shri Chetan Manju Desai college
canacona

Venue: Holy Cross Institute , Quepem



Title: Medicinal chemistry of herbs

Resource person: Nutan Patil

Government College of Arts, Science & Commerce , Quepem

Venue: Immaculate Conception High School





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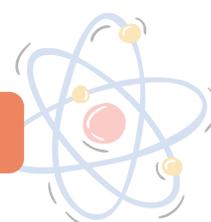


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WEEK 6: PROGRAM SCHEDULE

25TH FEBRUARY 2023, SATURDAY



Title: Life under the Mangroves

Resource person: Dr. Sankrita Gaonkar

Government College of Arts, Science and Commerce, Quepem

Venue: Sarvodaya Educational Society's High School, Quepem



Title: Traditional Knowledge - A key to Ethnobotanical Research and Bioprospecting.

Resource person: Pranjali Mahendra Gaonkar

PES's RSN College of Arts & Science, Farmagudi

Venue: SES's Madhavrao Talaulicar Higher Secondary School, Sancordem



Title: Glass - from Phones to Bones.

Resource person: Dr. Manjunath Nayak

Carmel College of Arts, Science and Commerce for Women

Venue: Our Lady of Carmel High School, Curtorim



Title: Scope of microbiology

Resource person: Dr. Teja Savoikar

P.E.S.'s R.S.N. College of Arts and Science, Farmagudi

Venue: Shri. Hanuman Vidhyalaya, Valpoi



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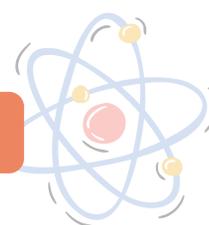


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25TH FEBRUARY 2023, SATURDAY



Title: Sustainable development
Resource person: Joshana Mandrekar
Directorate of Higher Education
Venue: Holy Family High School, Porvorim



Title: The nature of scientific study
Resource person: Dr. Shambhu Sakharam Parab
Government College of Arts, Science and Commerce, Khandola
Venue: Dada Vaidya High School, Ponda



Title: Remote Sensing and GIS
Resource person: Venkatesh Prabhu Gaonkar
Parvatibai Chowgule College of Arts & Science, Margao
Venue: Smt C T N Higher Secondary School, Quepem



Title: Preparation of herbal soaps and herbal mouthwash
Resource person: Angela Rhalima Serrao
St. Joseph Vaz College, Cortalim
Venue: Our Lady Of Perpetual Succour High School,
Cortalim



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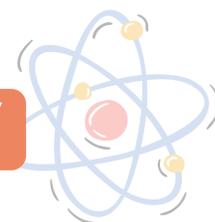


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WEEK 6: PROGRAM SCHEDULE

25TH FEBRUARY 2023, SATURDAY



Title: Cyber space and cyber security

Resource person: Yougali Parab

Government College of Commerce & Economics, Borda

Venue: Shri . Mahalaxmi High School, Bicholim



Title: Development of X-rays : Biomedical applications

Resource person: Dr. Sudesh Morajkar

Dnyanprassarak Mandal's and Research Centre, Assagao

Venue: Mount Carmel High School, Arambol

