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Quarterly E-Newsletter

DOUBLE ISSUE

Vol. 4 & 5
October 2022 -
March, 2023



Kalpataru First Grade Science College, Tiptur 572201

National Science Day - 2023

National Science Day was celebrated under the auspices of "Science Forum" of our college on 28th February, 2023. It is the day on which Sir C.V. Raman first formulated his theory of light dispersion, famously known as "Raman Effect". Every year a theme is assigned for the celebration by the Union Government of India. The theme for this year is "Science and Technology for Global Wellbeing".



Prof. K.R. Sheshadri addressing the students

Chief Guest Professor K.R. Sheshadri gave a talk on the theme of this year's Science Day programme. Also, he gave insight into the great Indian tradition of scientific thinking and asked the students to be proud of our great heritage.

As part of Science Day celebration, Tumkur University Level intercollegiate in Science Quiz and Lecture competitions were organized.

ONE-DAY WORKSHOP IN "PREPARATION OF HERBAL MEDICINES"

The recent trend in the world is "Go herbal". Many companies are minting money with their products that they claim to be herbal. However, many a times the quality of the product becomes questionable and the people are hesitant to use those commercial products.

The department of

Botany conducted a workshop in preparation of some herbal medicinal products using locally available medicinal plants. The resource persons of the programme were Shri Venkataswamy of BAIF, Tiptur and Shri Pandit Parmashivaiah,

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VISIT TO AKSHAYAKALPA FARMS AND FOODS PRIVATE LIMITED

One day "field visit" was organized on 5th of Jan 2023 to Akshayakalpa farms and foods private limited , Tiptur. AKSHAYAKALPA is a brand that produces and distributes 100% organic milk to places like Tiptur and Bangalore.

The students of Botany and Zoology department visited the campus of the company and got first hand information about how the things work there. Akshayakalpa farms and foods private limited has 25 acre land and 1000 customers . The milk is procured from 600 farmers . 400 skilled people work in

the campus day and night. Students saw the dairy processing unit and ob-

served the various activities and projects undertaken. There are different units like pasteurization, packaging of

milk, butter, curd, ghee, paneer, buttermilk , apiculture unit etc.



Preparation of herbal medicine

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from Gowdanakatte, a small village near Tiptur. He is a herbal medicinal practitioner. The students got glimpses of his conventional and traditional wisdom.

Under the guidance of the resource persons five types of ayurvedic products were prepared by students such as

1. Neergundi Thaila,
2. Neelanjana,

3. Brahmi Thaila ,
4. AloeVera based soap
5. Neem based soap
6. Papaya based soap.

Vice President of KVS Shri Deepak GP, Secretary Shri Sudhakar HG, Principal Dr. Chitharanjan Rai were present in the programme. Final year students of CBZ combination participated in the workshop.



Emergence - From Bird Flocks to Super Conductivity

A talk by Dr. Chethan Prathap

Department of Physics organized a special lecture for B.Sc., students of our college on 16-02-2023. Dr. K. N. Chethanprathap, Assistant Professor of Physics, University College of Science gave a talk on 'Emergence – From Bird Flocks to superconductivity'. He explained that, an emergent behaviour of a physical system is a qualitative property that can only occur in the limit that the number of microscopic constituents tends to infinity. He discussed the possible reasons behind the murmuration by birds and then correlated it the latest study on high temperature superconductors.

Faculty from various Departments attended the special lecture program. Prof. B. Shashikala, HoD of Physics, welcomed the guest and participants, Prof. G S Mahalingaiah gave a brief introduction of the Guest and Prof. H M Lingaraju proposed vote of thanks.



NEWS IN BRIEF



International Women's Day was celebrated in our college on 8th March 2023. Dr. Hemavathi was the chief guest of the programme.



IQAC cell of KFGSC and NSS wing of PAC in association with 'Federation of Karnataka Motor driving Training School Owners' Association' conducted "Road Safety Awareness Programme". The traffic Police, owners of Driving Schools in Tiptur, Principals of KFGSC and PAC, Office bearers of KVS, teaching, non teaching staff and Students of both colleges participated in the programme.

India's talent must be harnessed to improve the quality of life across the world"

— Prof K.R. Sheshadri .

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Shri Sangamesh M.R., Secretary of KVS presided over the function. Dr. Chitharanjan Rai, Principal, KFGSC, gave a keynote address. Teaching, non teaching staff, students of College attended the function. The winners of the quiz and lecture competition were given prizes by the chief guest.

Prof. H.M. Lingaraju, Coordinator of Science Forum proposed vote of thanks.

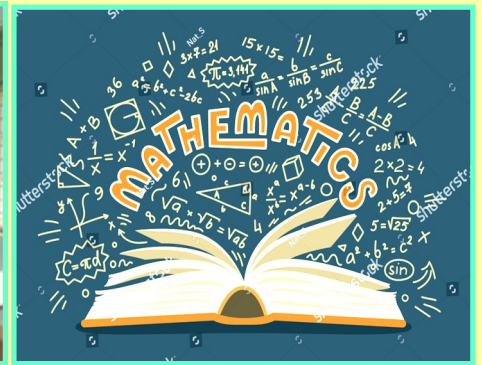
MATHEMATICS IN BANKING

Department of Mathematics conducted a special lecture programme on “Mathematics in banking” by resource persons Mr. Chinna, Manager and Mr. Naveen, Field Officer from SBI bank, Tiptur. They spoke about Mathematics and how it affects the financial decisions that we make every day, from paying our bills to using coupons at the grocery store. Maths is a part of everyday life. We use maths for budgeting, spending, saving, and

investing. A good understanding of mathematical concepts will benefit our finances. Financial mathematics focuses on applying mathematical formulas and equations to financial problems, market modelling and data analysis. With this strategy, financial professionals can understand business performance better, including profitability and growth potential. If you want to apply mathematical methods to making business decisions, learning more

about this topic can help you develop the skills necessary to succeed in various careers. They spoke about an educational loan, using credit cards and saving money at the right age and time that can free our life from financial constraints

Shri H.G.Sudhakar, Secretary, KVS, presided over the function. Heads of departments, teachers and students attended the function.



You think Mathematics is boring?

There is always **“Excitement in Mathematics” !!**

Department of Mathematics conducted a unique lecture programme on “Excitement in Mathematics” by resource person Dr Pradeep. C.R. Environmentalist, Ph.D, IIT Bombay, Professor of Mathematics, CIT college, Gubbi, Tumkur. He spoke on the relevance of mathematics from ancient India and mathematics in the present sce-

nario. He talked about how maths evolved by observation, deduction, prediction and justification. He said that mathematics is about calculations, analysis, shapes, sizes, statistics, observation, and symmetry, which we see in everyday life. If you train your brain, then solving becomes easy.



“Pure Mathematics is, in a way, the poetry of Logical Ideas” - Albert Einstein

Special Lecture—by Dr. Suchethan (Quantum Chemistry)



Department of Chemistry organised a special lecture on **Quantum Chemistry** on 14th February, 2023. The resource person was Dr Suchethan P.A, Assistant Professor of Chemistry. He explained the basics of Quantum Chemistry, Quantum mechanical operators, the Schrodinger wave equation and its application to free

particles and particles in a box. It is the topic in the III B.Sc CBCS syllabus. So, this seminar benefits faculties and students in their final year.

The Principal, faculties from various departments and Chemistry students attended the programme.

Chief Guest



Dr. Suchethan P A

He is working as Assistant Professor in Department of Chemistry, Tumkur University Department of Studies and Research in Chemistry, Tumkur University. He did his PhD work in Mangalore University in 2013. He has, to his credit, around 162 publications in National and International journals.

"DEEP INSIGHT ON BEE KEEPING ACTIVITIES"

A special lecture programme was organized by the department of Zoology about "Deep Insight on Bee Keeping Activities" on 23/03/2023 for BSc/BCA degree students of all combinations as initiative to take up bee keeping as self-employment.

Dr. Basavarajappa,
Professor and Chairman DoS

in Zoology, University of Mysore Manasagangothri, Mysore, Spoke about early history of Apiculture, different species of honeybees in India, different methods of beekeeping and appliances, methods of honey extraction and economic and medicinal importance of honey.

Treasurer of Kalpataru
Vidya Samsthe



Sri T.S. Shivaprasad presided over the function. Sri G.P. Deepak Vice-President addressed the students to take up beekeeping activities in their farms. Sri M.R. Sangamesh Secretary inspired the students to take up beekeeping as self-employment.

Other dignitaries present were Sri T.U. Jagadeeshamurthy, Secretary KVS, Dr. Chitharanjan Rai, Principal of KFGSC, teaching and non teaching staff.

Hope is the only bee that makes honey without flowers

REPUBLIC DAY CELEBRATION



Though India got Independence in 1947, it was on 26th January 1950 India declared itself a republic and became democratic country. On this day Indian Constitution came into effect. To commemorate this occasion we celebrate 26th January of each year as "Republic Day".

We celebrate transition of India from being a British colony to an Independent Republic. Our college celebrated Republic Day, as it does every year. Teaching, non teaching staff, students, attended the programme.

GANDHI JAYANTI

Mahatma Gandhi, was a tall leader of Indian Independence movement. We celebrated his birth anniversary on 2nd October 2022. On this day apart from the remembering his contribution to the freedom struggle, we conducted 'Shramadana' programme in the campus. Cleaning and beautification of the campus, planting the saplings were part of the 'Shramadana'.

Secretary of KVS, Shri Sudhakar HG, Vice President Shri Deepak GP, Principal, teaching and non teaching staff and students of the college participated in all the activities of the day.



ಕನ್ನಡ ರಾಜ್ಯೋತ್ಸವ - ೨೦೨೨



ನವೆಂಬರ್ ೧ ರಂದು ನಮ್ಮ ಕಾಲೇಜಿನಲ್ಲಿ ಕನ್ನಡ ರಾಜ್ಯೋತ್ಸವ ವನ್ನು ಸಡಗರ ಸಂಭ್ರಮದಿಂದ ಆಚರಿಸಲಾಯಿತು. ಕಲ್ಪತರು ವಿದ್ಯಾ ಸಂಸ್ಥೆಯ ಉಪಾಧ್ಯಕ್ಷರಾದ ಶ್ರೀ ದೀಪಕ್ ಜಿ. ಪಿ. ಯವರು ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಭಾಗವಹಿಸಿದರು. ಕನ್ನಡ ವಿಭಾಗದ ಉಪನ್ಯಾಸಕರಾದ ಪ್ರೊ. ಉದಯಕುಮಾರ್ ಅವರು ಕರ್ನಾಟಕದ ಶ್ರೀಮಂತ ಪರಂಪರೆಯ ಬಗ್ಗೆ ಮಾತನಾಡಿದರು. ಕನ್ನಡತನದ, ಕನ್ನಡ ಭಾಷೆಯ, ಕನ್ನಡ ಸಂಸ್ಕೃತಿಯ



ಉಳಿವಿಗಾಗಿ ನಾವು ಗಮನ ಹರಿಸಬೇಕಾಗಿದೆ, ನಾವು ಕನ್ನಡದಲ್ಲಿ ಮಾತನಾಡುವುದು ಮಾತ್ರವಲ್ಲ, ಪರಭಾಷಿಕರೂ ಕನ್ನಡದಲ್ಲಿ ಮಾತನಾಡುವಂತೆ ಪ್ರೇರೇಪಿಸುವ ಕೆಲಸ ನಮ್ಮಿಂದ ಆಗಬೇಕಾಗಿದೆ ಎಂದು ಅವರು ತಿಳಿಸಿದರು. ವಿವಿಧ ವಿಭಾಗದ ಅಧ್ಯಾಪಕರು, ಬೋಧಕ-ಕೇತರ ವರ್ಗದವರು ಹಾಗೂ ವಿದ್ಯಾರ್ಥಿಗಳು ಈ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಭಾಗವಹಿಸಿದ್ದರು.



INTERCOLLEGIATE BADMINTON TOURNAMENT

Tumkur University Intercollegiate Badminton tournament for Men and Women was organized by our college on 16th and 17th February, 2023. Many players from various colleges participated in the tournament. Shri Shivaprasad TS, Treasurer of

KVS, Shri Sangamesh MR and Shri Sudhakar HG both Secretaries of KVS, Shri Deepak GP, Vice President, Principals of KFGSC and PAC, teaching and non teaching staff and students of various colleges participated in the programme. Dr. A.M. Manjunath, Director of Physical Education, Tumkur University was felicitated during this programme.



AIDS Prevention and awareness programme



NSS and Red Ribbon Club of Kalpataru FG Science College organized a talk on "Prevention and awareness programme" on AIDS. The Chief Guests of the programme were Shri Umesh T.S., Counsellor at Taluk Govt. Hospital and Prof. Someshekar Y.R, Dept. of Zoology, KFGSC. Shri Umesh T S said that HIV/AIDS cases are in decline, but we shouldn't be complacent.

Prof. M.B.Shylaja presided over the function. Prof. G.P.Somashekar welcomed the guests and Prof. M.S. Thippesh proposed vote of thanks.

Voter's Awareness Programme



A "Voter Awareness Programme" was organized in our college on 13th National Voters day (25-01-2023). As Karnataka is gearing for polls in the month of May awareness on the importance of voting becomes very important. New and young voters were called upon to cast their votes responsibly without fear. The voter participation is essential in strengthening our democracy, which, by the way, is largest democracy in the world.

An oath was taken on this occasion by the participants that they will uphold the democratic values and vote without biased by cast, creed, religion or money.



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Kalpataru First Grade Science College, Tiptur 572201

Affiliated to Tumkur University and Accredited with 'A' grade by NAAC

Kalpataru First Grade Science College is one of the premier institutions of Karnataka serving the students of Tiptur and surrounding villages. We are celebrating 60 years of excellence this year. We provide perfect ambience not only for education but also for the overall personality development of the students. Following are a few of the facilities available in the campus.

- Experienced and dedicated teachers
- Well ventilated and ICT enabled class rooms
- CCTV surveillance for added security
- Well equipped laboratories
- Library with more than 35,000 volumes and e-book facility
- Separate hostels for boys and girls
- other facilities such as Canteen, Bank, photo copier, ATM, Co-op Society
- Sports facilities with indoor Badminton with wooden floor, Playground.



Admissions open for B.Sc. And BCA courses in our college.

To apply online :

i) Visit website: <https://uucms.karnataka.gov.in>

Or Scan the QR code



For any assistance in selecting a course and admission process please visit the college campus. You can apply directly using college website or using uucms portal.

COURSES OFFERED: TWO CORE AND ONE OPEN ELECTIVE SUBJECTS:
YOU CAN SELECT ANY TWO CORE SUBJECTS AMONG FOLLOWING:
PHYSICS, CHEMISTRY, MATHEMATICS, ELECTRONICS, BOTANY,
ZOOLOGY, COMPUTER SCIENCE and BCA

This newsletter is designed and Edited by:

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