

Srujana

2020-21



VIVEKANANDA GOVERNMENT DEGREE COLLEGE

Vidyanagar, Hyderabad - 500 044, T.S.
(Affiliated to Osmania University)

Accredited by NAAC with 'B' Grade

ISO 9001 : 2015

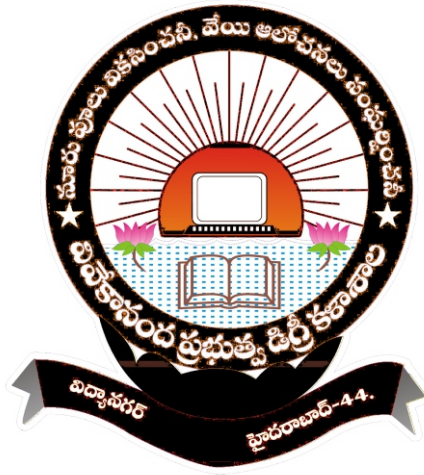




Srujana

College Magazine
2020-2021

ISO 9001 : 2015



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Principal's Message

In today's world, patience and resilience are the two greatest virtues of a student. As quoted by our former President, Dr. A.P.J. Abdul Kalam, "Life and time are the world's best teachers. Life teaches us to make good use of Time and Time teaches us the value of Life", which amplifies the need for the student's humility. Here at Vivekananda Government Degree College, we strive to achieve that. Education is not only collection of information, but something more meaningful; its man-making, life giving and character-building. Its an assimilation of noble ideas- says Swami Vivekananda. In this context, it gives me great pleasure that Srujana, the annual college magazine, a comprehensive report of the new normal is brought out by the staff and students of Vivekananda Government Degree College, Vidyanagar. I congratulate the College magazine committee and the team of editors who pieced together articles and art work of students submitted in four languages viz English, Telugu, Hindi and Sanskrit. Srujana 2021 showcases various curricular, co-curricular, extra-curricular and cultural activities, online events and creative expression of students. I wish that this tradition continues despite the demanding situation in the New Normal.

Dr. G. Sukanya
Principal

Vivekananda Government Degree College

TEACHING STAFF

Principal **Dr. G. Sukanya**

ENGLISH

- | | | |
|--------------------------|---|--------------------------------|
| 1. Ms. Anita Abraham | - | Associate Professor of English |
| 2. Ms.G. Bangla Bharathi | - | Associate Professor of English |
| 3. Dr. B. Suchitra Singh | - | Assistant Professor of English |
| 4. N. Chanranjivi | - | Guest Faculty |

TELUGU

- | | | |
|------------------------|---|-------------------------------|
| 1. Dr. J. Bharathi | - | Assistant Professor of Telugu |
| 2. Sri S. Ravi Prasad | - | Assistant Professor of Telugu |
| 3. Ms. K. Naveena Rani | - | Assistant Professor of Telugu |

HINDI

- | | | |
|-------------------|---|------------------------------|
| 1. Dr. K. Nirmala | - | Associate Professor of Hindi |
|-------------------|---|------------------------------|

SANSKRIT

- | | | |
|----------------------|---|---------------------------------|
| 1. Dr. A. Mukthavani | - | Associate Professor of Sanskrit |
|----------------------|---|---------------------------------|

STATISTICS

- | | | |
|------------------|---|-----------------------------------|
| 1. Ms. S.Nirmala | - | Associate Professor of Statistics |
|------------------|---|-----------------------------------|

COMMERCE

- | | | |
|-------------------------|---|---------------------------------|
| 1. Dr. Ch. Kishor Kumar | - | Assistant Professor of Commerce |
| 2. Smt. M. Sangeetha | - | Assistant Professor of Commerce |
| 3. Sri M. Shiva Kumar | - | Assistant Professor of Commerce |
| 4. Smt. S. Nagamani | - | Assistant Professor of Commerce |
| 5. Dr. K. Anjaneyulu | - | Associate Professor of Commerce |

MATHS

- | | | |
|---------------------------|---|------------------------------|
| 1. Dr.D. Malleswari | - | Assistant Professor of Maths |
| 2. Smt. Vishnu Priya Loya | - | Assistant Professor of Maths |

SCIENCES

- | | | |
|-----------------------|---|----------------------------------|
| 1. Dr. N. C. Sowjanya | - | Assistant Professor of Botany |
| 2. S. Madhu | - | Contract Lecturer in Botany |
| 3. Smt. N. Sridevi | - | Assistant Professor of Zoology |
| 4. Smt. P. Surekha | - | Assistant Professor of Chemistry |
| 5. M. Anil Kumar | - | Assistant Professor of Chemistry |
| 6. Dr. J. ChinnaBabu | - | Assistant Professor of Physics |
| 7. B. Vijaya Nirmala | - | Associate Professor of Physics |

SOCIAL SCIENCES

- | | | |
|------------------------|---|--|
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| 4. Smt. J. Sridevi | - | Assistant Professor of Economics |

- | | | |
|-------------------------|---|-------------------|
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| 6. Smt. Asma Tabassum | - | Library Science |

COMPUTERS

- | | | |
|----------------------|---|-----------------------------------|
| 1. T.P. Sreedevi | - | Computer Science and Applications |
| 2. R. Sandhya | - | Computer Science and Applications |
| 3. B. Sandhya Rani | - | Computer Science and Applications |
| 4. B. Ravi Kiran | - | Computer Science and Applications |
| 5. Bavirala Satheesh | - | Computer Science and Applications |

NON - TEACHING STAFF

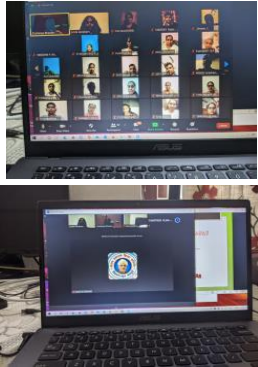
Name	POST
1 Sri.G.Govardhan	Store-Keeper
2 Sri B.Srinivas	Record Assistant
3 Sri K.Sai Prasad Goud	Record Assistant
4 Sri.Sadanand	Office Subordinate
5 Sri A.Sanjeeva Rao	Office Subordinate
6 Sri Inna Reddy	Office Subordinate
7 Smt.P.Rajasree	Sr.Asst.,
8 Sri.G.V.Krishna Rao	Jr.Asst.,
9 Sri Mohd.Kaleem	Jr.Asst.,
10 Sri P.V.Subba Rao	Jr.Asst.,
11 Smt.U.Eeshwari	Jr.Asst.,
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14 Smt.S.Margareta	Record Asst.,
15 Sri D.Raghavender Rao	Office Subordinate
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18 Smt.Mallamma	Sweeper
19 Shobarani	Gardener
20 Sri.Mhd.Abdul Kareem	Watchman
21 Shakeela Sultana	Sweeper
22 G.Swamy	Gardener

DEPARTMENTAL ACTIVITIES 2020-21

1. Department of English
2. Department of Telugu
3. Department of Sanskrit
4. Department of Hindi
5. Department of Commerce
6. Department of Maths
7. Department of Stastics
8. Department of Physics
9. Department of Life Sciences
10. Department of Social Sciences
11. Physical Director
12. ECO Club
13. WEC
14. TSKC

Department of English - Activities of 2020-21

Effective online Teaching Skills -
TSWREIS Teacher training - 15th -
30th June 2020



July 15th - Aug 26th Video
Lessons
Total 90 video lessons - on
YouTube channels

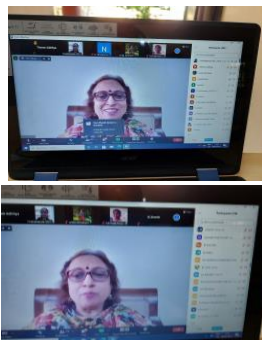


Online Classes- zoom- Sept1st
online classes-sem 3

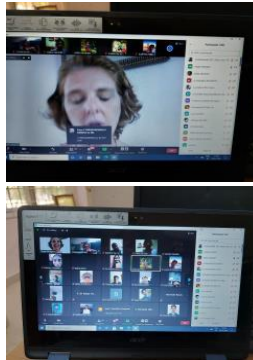


December- Sem 1- 2020

Developing Communication
Skills- Webinar by Prof Sumitha
Roy- January 4th 2021.



Developing Speaking Skills- by
Dr. Angel Meagher- Jan 7th
2021



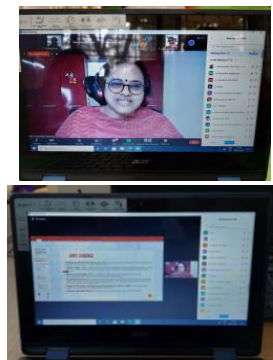
HLF 2021- Field trip Online
From Jan 22nd to 24th 2021



Samjho toh Telangana-
samvidhan Live- Ruberoo,
ComMUTINY Lab- Feb 22nd 2021-
orientation



Tharuni Mitra awards- 2021
online
International Womens Day
2021: themes, issues, way
forward



Ruberoo- Samjho to
Telangana, Samvidhan Live-
Adda 1; adda 2,3-online-
March 12th, 22nd



తెలుగు శాఖ కార్యక్రమాలు - 2020 -2021

1. అభివృద్ధి నైపుణ్యాలు - వెబినార్

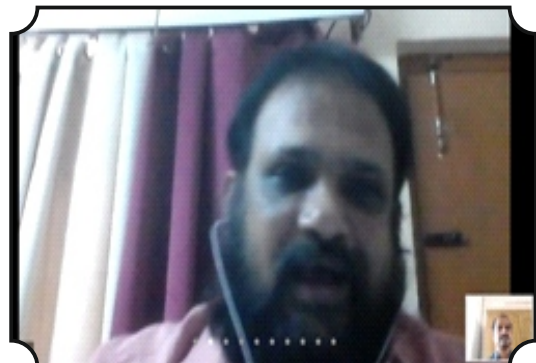


2. ఉపాధ్యాయ దినోత్సవ ప్రాశస్త్యం - వెబినార్



3. తెలంగాణ భాషా దినోత్సవం - వెబినార్

సెప్టెంబర్ 9, 2020 నాడు అంతర్జాల వేదిక (జూమ్) గా ప్రజాకవి కాళోజీ నారాయణరావు జయంతి సందర్భంగా తెలంగాణ భాషా దినోత్సవం నిర్వహించడం జరిగింది. ఈ కార్యక్రమానికి ముఖ్య అతిథిగా మ. నారాయణ శర్మ గారు హాజరయ్యారు. ఈ కార్యక్రమంలో దాదాపు 60 మంది విద్యార్థులు పాల్గొన్నారు.



4. అంతర్జాతీయ మాతృభాషా దినోత్సవం - వెబినార్



4. విద్యార్థి విజయాలు

1. సి. హనుమంత రెడ్డి (బి. ఏ III) తెలుగు విశ్వవిద్యాలయ పీ. జీ ప్రవేశ పరీక్షలో 8 వ స్థానం పొందాడు.
2. మార్చి 22, 2021 నాడు ప్రభుత్వ మహిళా డిగ్రీ కళాశాల, కరీంనగర్ వారు అంతర్జాతీయ వేదిక (జుమ్) గా 'అంతర్జాతీయ విద్యార్థి కవి సమ్మేళనం' నిర్వహించారు. ఈ కార్యక్రమంలో మన కళాశాల తరపున వి. అంజనేయులు (తృతీయ సంవత్సరం) పాల్గొన్నాడు.



3. సొరీ మిర్రర్ అనే ఆన్లైన్ రచనల యాప్ కరోనా లాక్ డౌన్ సమయంలో 'లాక్ డౌన్ లెసన్స్' అనే పోటీను నిర్వహించింది. ఈ పోటీలో భాగంగా ప్రతిరోజు ఏదైనా ఒక కరోనా లేదా లాక్ డౌన్ కి సంబంధించిన రచన సబ్మిట్ చేయాల్సి ఉంటుంది. ఈ పోటీలో ఎం. అభిలాష్ (బీఎస్సీ ద్వితీయ సంవత్సరం) పాల్గొని, 'Literary Colonel' గా బహుమతి అందుకున్నాడు.



4. నల్గొండ ప్రభుత్వ డిగ్రీ కళాశాల "సామాజిక ప్రగతిలో గురువు పాత్ర" అనే అంశంపై నిర్వహించిన అంతర్జాతీయ సదస్సులో బి.ఎస్సీ ద్వితీయ సంవత్సర విద్యార్థిని ఎస్..నాగ రవళి పత్ర సమర్పణ చేయటం జరిగింది.



Department of Sanskrit 2020 - 2021

Dr. A.Mukta Vani
Associate Professor of Sanskrit

1.Field Trip To " Government Oriental Manuscripts Library & Research Institute " 21.01.2020

The Department of Sanskrit, Staff members & Sanskrit students of B. A. , B. Com & B. Sc. 2nd year went to the Government of Oriental Manuscripts Library & Research Institute, Osmania University Campus, Hyd.

There are 24000 manuscripts of different languages like Sanskrit, Telugu, Urdu, Arabic & Persian. The students were shown P. P.T. about the following manuscripts dated before 15th Century.

- 1.Wooden slates
- 2.Bricks
- 3.Animal skin
- 4.Ivory
- 5.Bamboo
- 6.Aloe vera
- 7.Palm leafs
- 8.Cotton & silk
- 9.Animal bone
- 10.Paper scrolls.

Finally students of V. G. D. C. were very much satisfied after finishing the field trip. They got a lot of awareness about the future plans of the Sanskrit Department.



2. Extension Lecture Report : [Webinar On Zoom]

The Department of Sanskrit V. G. D. C. Organized an "Extension lecture" On 11.05.2020 (Zoom) & Dr. Anupama Ryali, Associate Professor, School of Vedic Sciences MIT - ADT University, Pune, Maharashtra, delivered the lecture on " The Relevance of Sanskrit in the Modern World"

OUTCOME :

The Program created an awareness among the students regarding the Sanskrit Language & motivated them to pursue it for further studies.



3. Best Teacher Award 2020 :

It was a proud moment for the Department of Sanskrit as the Telangana Government had declared the Best Teacher Award 2020 to the one of our Associate Professor Dr. A. Mukta Vani. She has been in this line of Profession for the past 27years.



4. International Mother Language Day : On 24.02.2021

With the collaboration of the Department of Telugu & The faculty of Second Languages we organized a programme.

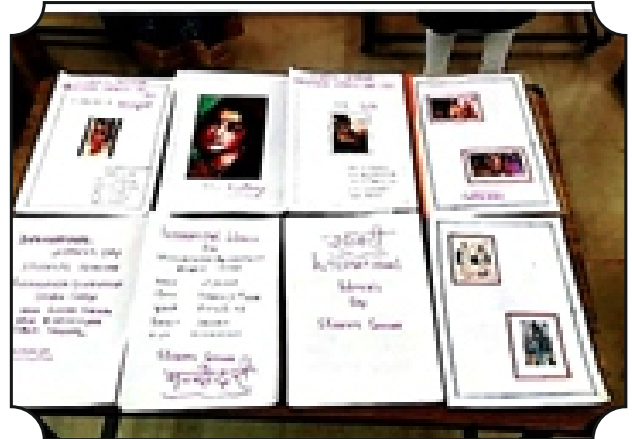
On the occasion of this International Mother Tongue day, The Department of Sanskrit had conducted a competition on Chanting of Shlokas, in which the participants received 1st & 2nd prizes



5. Student Seminar :

With the collaboration of the Department of Telugu & The faculty of Second Languages we organized a programme.

On the occasion of this International Mother Tongue day, The Department of Sanskrit had conducted a competition on Chanting of Shlokas, in which the participants received 1st & 2nd prizes



6. Webinar On Zoom On 03.02.2021 :

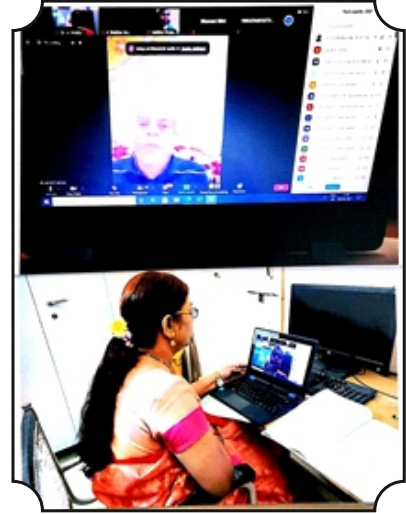
The Welcome Address was given by the Principal Dr. G. Sukanya Madam, in her speech she described beautifully the nature of Kavi Kalidasa & she blessed the Department of Sanskrit & the students.

As a guest of honor Prof. A. Ramulu, Ex H. O. D. of Department of Sanskrit in O. U. addressed the webinar on the topic - " Himalayonama Nagadhirajah ". He told about Kavi Kalidasas all seven kavyas & it's views. Then he explained 1st semester lesson " Himalayonama Nagadhirajah " in detail.

It took us by a surprise that 345 students had attended this Webinar which was held in Zoom.

మహాకవి కాళిదాసు రచనలపై సదస్సు

కావాలం (అలాంటి సైబరాకావాలం): వివేకానంద దిగ్గజ కవికావాలం సంస్థకు విభాగం అధ్యక్షులలో హిమాలయం నామ నామ విభాగం కావాలం పై అలాంటి సాంకేతిక సదస్సును నిర్వహించారు. ఇది చుట్టూ భాగం కవికావాలం ప్రధాన అధ్యక్షులను శ్రీమతి డా.జి. సుజాత, ఈ సదస్సుకు ప్రారంభించారు. కవికావాలం సంస్థకు అధ్యక్షులను డా.ఎ.మధుసూదన్ సదస్సుకు అధ్యక్షుల వేరొందారు. ఈ సదస్సుకు ముఖ్య అతిథిగా ఉన్నామని విశ్వ విద్యాలయ విభాగం ఉపాధ్యక్షుల సామల సంస్థకు విభాగం ప్రొ. ఎ.కామల మహాదేవి కావాలం కవలంపై అమోఘమైన విషయాలను సదస్సు లో పాల్గొన్న విద్యార్థులకు వివరించారు. ఈ కార్యక్రమం లో భాగంగా విద్యార్థుల ఈ దుర్గ సంస్థకు శ్రీకృష్ణ సదస్సు ఎంతగానో అభివృద్ధి అంది. అలాంటి ఎన్నో కార్యక్రమాలను కవికావాలం లో సేవకులను సదస్సుకు విభాగంమీద కోరుతున్నాము.



7. Essay Writing Competition :

On the occasion of the Republic Day on 26.01.2021 the Department of Sanskrit has held an Essay Writing Competition on the topic -

" The Contribution of Youth for a Better India "



8. Additional Activities :



Department of Commerce

Activities for the Academic year 2020-21

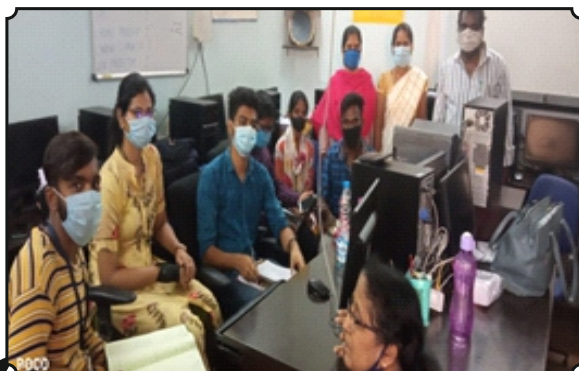
1. MOU by the Department of Commerce, VGDC, Hyderabad. In modern times, the Institutional-industry interface is essential to build not only Academic capabilities but also to develop industry expected capabilities. For this purpose, the Department of Commerce, VGDC has entered into an MOU for blended learning; LED based training methodology on digital platforms with structured curriculum for skill development courses in Tally – GST and Web Designing. In this direction, the Department of Commerce at VGDC has entered into an MOU with a Kolkata based company ANUDIP Foundation to develop industry related skills for the Academic Year 2020-21. The MOU was signed by the Principal Dr. Ganji. Sukanya and Dr. CH. Kishor Kumar, HOD, Commerce on dated 19th March, 2021.



2. Department of Commerce has conducted workshop on career opportunities guidance for undergraduates by providing vocational training in skill development courses on 27-02-2021. Mr. Murali Mohan, Faculty from ICICI Foundation for Inclusive growth, has given awareness on vocational course offered by ICICI Academy for Skills. The academy provides free vocational training to develop their soft skills to transform their personality and acquire industry suitable skills to get a better job opportunity.



3. Department of commerce arranged hands on training for B.com III year students relating to Audit of Books of accounts on 09-4-2021. The audit team comprising of CA Anisha, Rajesh Javajee and Praveen from PPKG and Co. Ltd. they provided practical training on vouching, verification and checking of entries in Cash book .

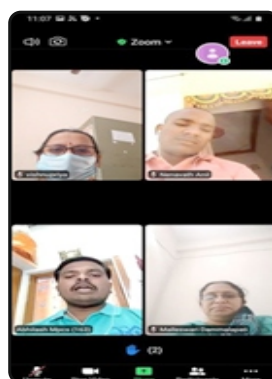
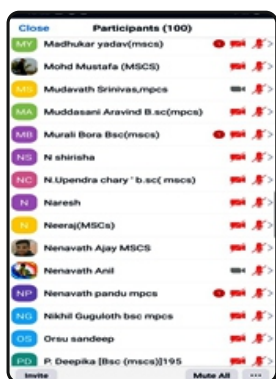


Department of Mathematics Activities 2020-21

1. A Webinar on Career guidance in Mathematical Sciences was conducted on 14.05.2020 . Resource person is Dr.V.Padma Anuradha, Asst. Professor of Mathematics, Government City College, Hyderabad.



2. Sri Srinivasa Ramanujan birthday celebrations on 22.12.2020 through zoom



Telangana ku Haritha haram on 17.2.2021



Eassy writing competion on



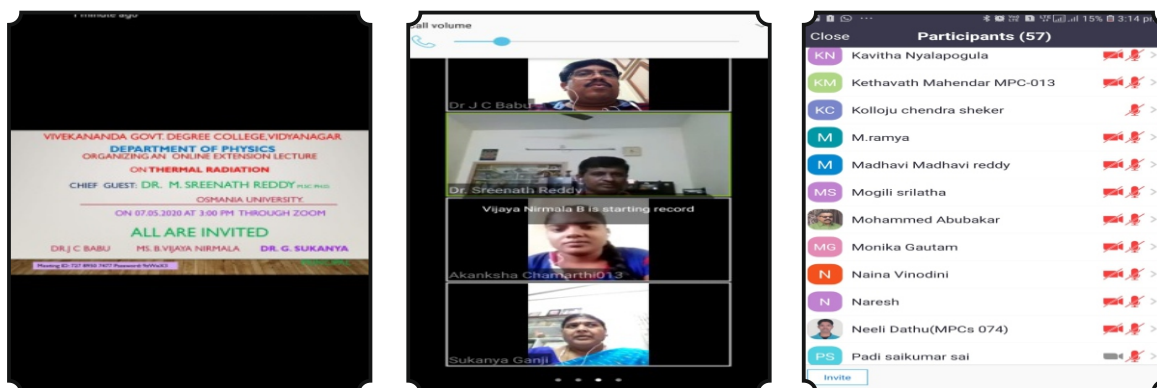
PPT by Mr.Naresh, II B.Sc



Department of Physics Activities - 2020-21

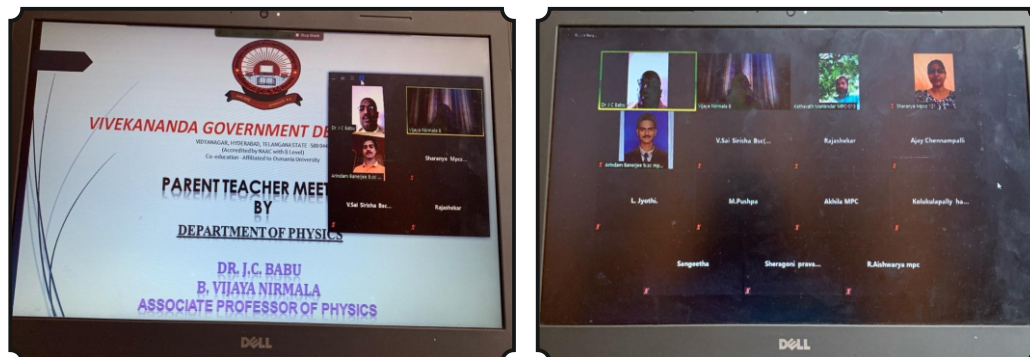
1. Online Extension lecture on thermal radiation

Online Extension lecture on thermal radiation was delivered by Dr. M. Srinath Reddy, Assistant Professor of Physics Osmania University Hyderabad on 07-05-2020 through zoom platform apart from our college 60 participants (both staff and students) from various colleges attended the programme .



2. Online parent teacher meeting organized by Department of Physics:

Online parent teacher meeting was organized by Department of Physics on 15/5/2020 successfully and discussed about students participation in online classes , parents gave their positive feedback and were very happy about conducting online classes during the pandemic situation .



3) Online Student Seminars were Organised by Departments of Physics in May-2020 from 06-05-2020 to 09-05-2020



Students Seminar (offline)

4) Extension lecture

Department of Physics organized an extension lecture on "Principles and Applications of Light" for B.sc Physics students of Vivekananda Government Degree College, Vidyanagar on 22.03.2021 by Dr. G. Upender, Assistant Professor of Physics, Department of Physics, Nizam College, Osmania University



5) National Science Day was organized by Department of Physics on 28/02/2021



6) Science Exhibition

Participated and evaluated the science projects Exhibited by students.



7) Students Quiz

Students Quiz was organized by Department of Physics as part of National Science Day Celebration . the screening Test was conducted for all Students and top 30 Students were short listed and divided into five groups such as Nag , Agni , Akash , Trishul and Pruthvi.



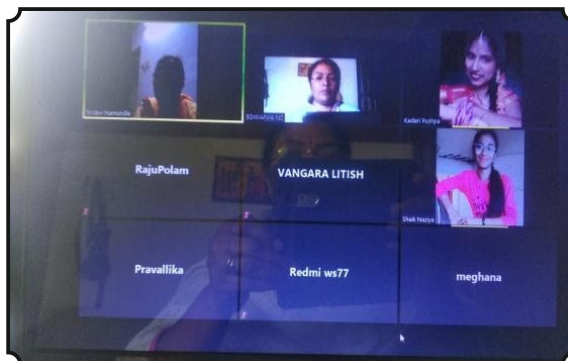
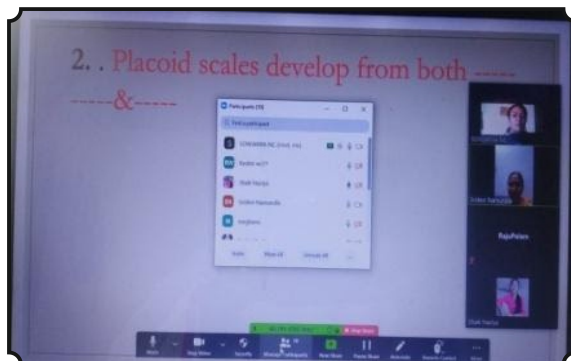
8) Haritha Haram

Participated in Haritha Haram Program organized by the college and planted saplings in the college premises on 17/02/2021



Department of Life Sciences - 2020-21

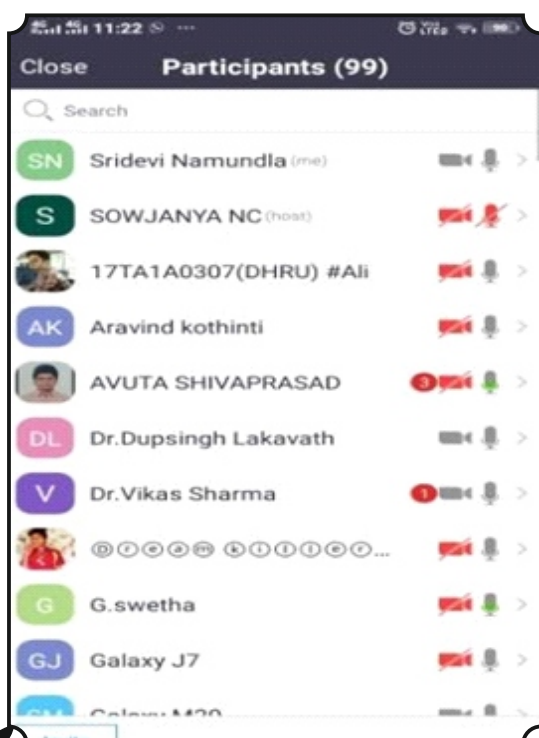
Online quiz organized by Department of Zoology and Botany on 04-05-2020



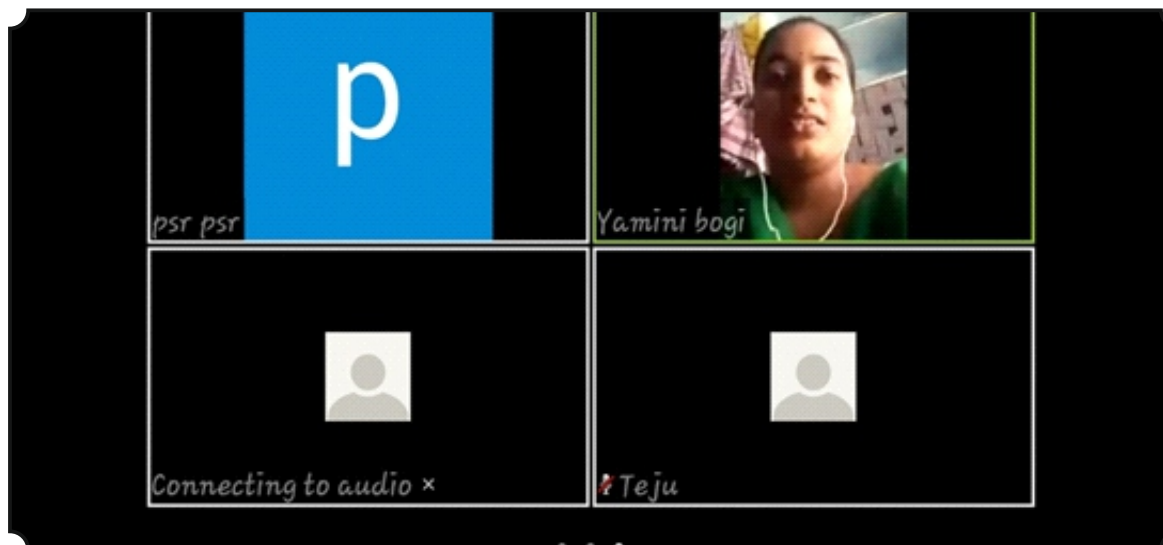
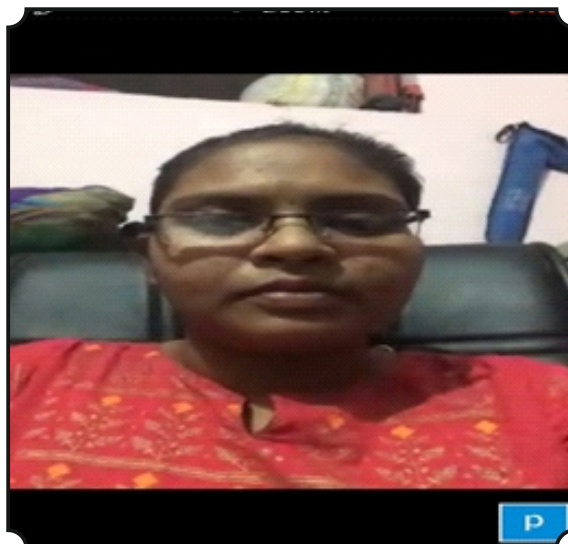
Online seminars organized by Department of Zoology and Botany on 09-05-2020



Webinar on career opportunities for life science graduates organized by Department of Botany and Zoology-15-05-2020



Online seminars organized by Department of Chemistry-07-05-2020



Poster presentation on water conservation – 06-01-2020



Encouraging students to use Eco-friendly bag – 17-02-2020



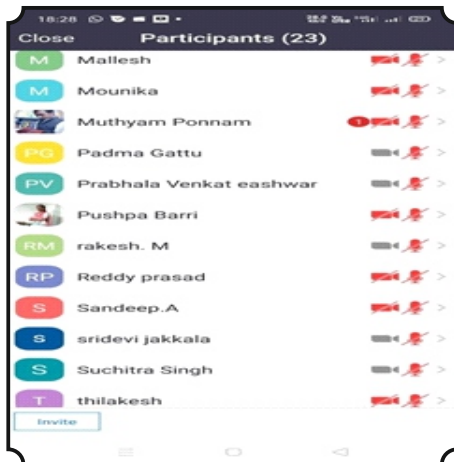
Model making and Science rangoli competition on National Science day 20-02-2021





Department Of Social Science Activities - 2020-21

1. The parent teacher meeting



Department of social sciences organised the Parent teacher meeting in online in the conditions of lockdown on 15-5-2020. Parents have appreciated the efforts of government and college for providing classes in online in the situation of pandemic.

2. National Youth Day



The Department of social sciences organised the National youth Day on 12-1-2021. Principal, Vice Principal, Faculty and Students have participated in the programme and Principal garlanded the Swami Vivekananda photo and paid tribute to the great legend. Students, Faculty and principal have expressed their views on Swamy Vivekananda philosophy.

3. National voter's day



Department of social sciences have organised the NATIONAL VOTERS DAY on 25-1-2021. On this occasion Department have Conducted Online Quiz to students .Principal Dr.G. Sukanya madam Pledged the National Voters Day Pledge on that day. Faculty and students have participated.



4. Online quiz



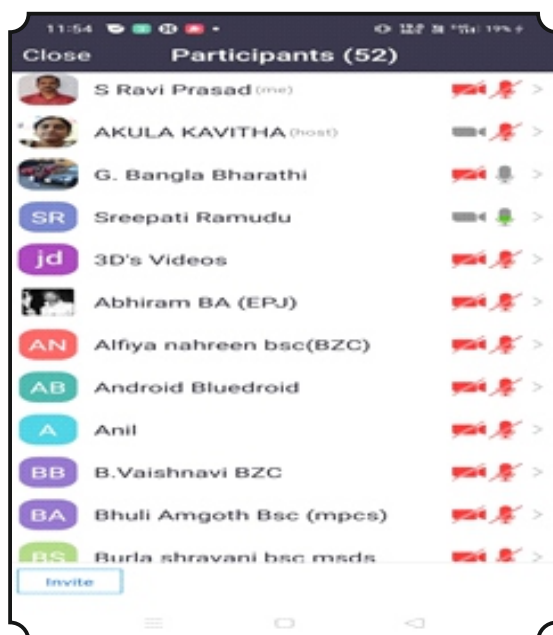
Department of social sciences has conducted the online Quiz on 13-3-2021 regarding the MLC Elections-2021 in Telangana State. Nearly 500 students have participated in this Quiz from various Degree Colleges.

5. Extension lecture on Union budget 2020-2021.



Department of Economics Organised the Extension Lecture on "union Budget 2020-2021" on 22-3-21. Resource person for Extension Lecture was K.Veeraiah ; Freelance Journalist. 30 Students have attended the programme.

6. Webinar on the occasion of 130th birth anniversary of Dr.B.R.Ambedkar



Department of social sciences organised the Webinar on the Occasion of 130th Birth Anniversary of Dr.B.R.Ambedkar on 15-4-21. Prof. Sripathi Ramudu, Department of Political Science, University of Hyderabad was a resource person for webinar. He explained on the topic "UNDERSTANDING THE INDIAN CONSITUTION THROUGH THE LENS OF DR.B.R.AMBEDKAR". Principal Dr.G.Sukanya madam has chaired the webinar. 52 participants are there in the webinar.

Sports and Games 2020 - 2021

1). Department of Physical Education Provided the Opportunity to Participated in the Various Games and Sports in the Academic Years of 2020 - 2021 . 2). The following Tournaments We are Participated in this TWO Academic years,

1). Osmania University Inter College Tournaments , 2). Yuvatharangam Games & Sports meet 2019-2020, 3). 1st Hyderabad Handball – Challenge Trophy For Boys & Girls, 4). College Annual Day Games & Sports Meet ,



IN THE YEAR 2020-2021 VGDC COLLEGE MEN KABADDI TEAM PARTICIPATED IN SRI GADDAM VENKATASWAMY MEMORIAL KABADDI TOURNAMENT HELD AT Dr B.R. AMBEDKAR COLLEGE .

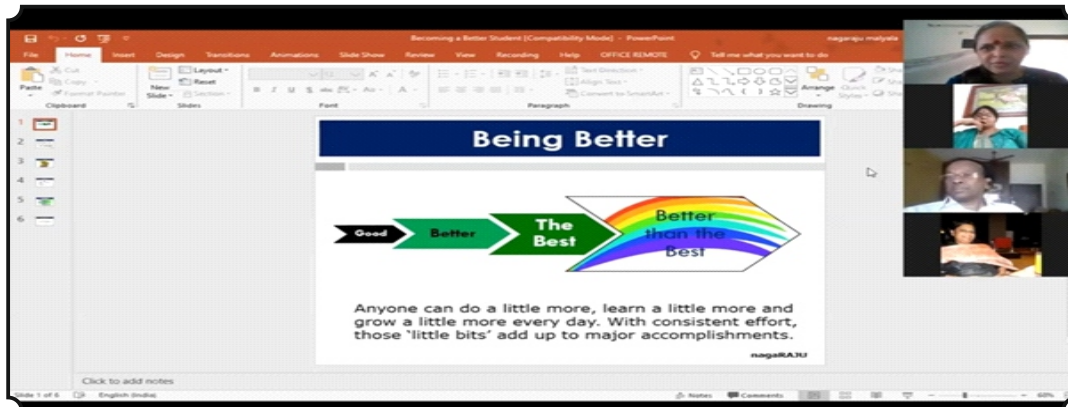
T. FROM OUR VGDC COLLEGE OUR HANDBALL PLAYER Mr R. SHANKAR RAO PARTICIPATED IN HE TELANGANA HANDBALL NATIONAL TOURNAMENT IN THE YEAR 2021 , AND OUR HANDBALL PLAYER R .SHANKAR RAO RECEIVING SHAK-HAND AND APPRICIATION FROM HONOURABLE SPORTS MINISTER OF TELANGANA STATE SRI SRINIVAS GOUD GARU .
2) L.B.STADIUM HANDBALL TEAM CAPTAIN OUR VGDC COLLEGE PLAYER Mr R. SHANKAR RAO HAND BALL TEAM MERIT CERTIFICATE OF R. SHANKAR RAO AND HIS JERSEYS.



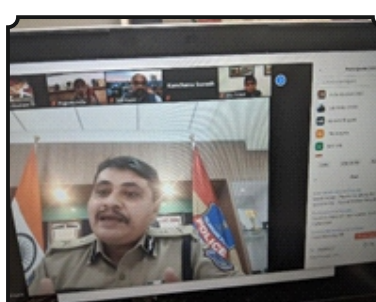
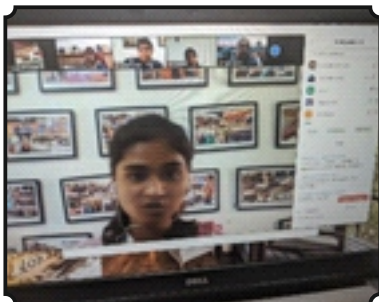
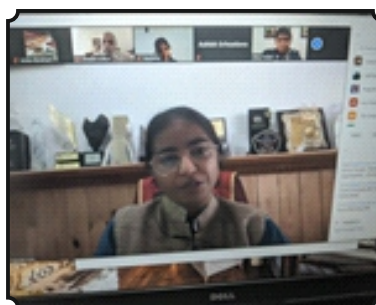
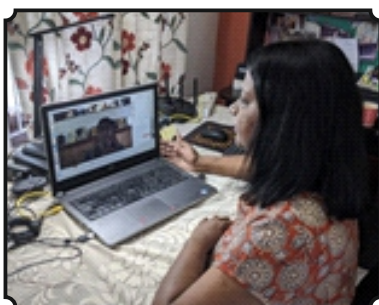
RECEIVING THE WINNERS HANDBALL CHAMPIONSHIP CUP HELD ON 6th TO 8th MARCH 2021

Women Empowerment Cell Activities 2020-21

WEBINAR ON 'BEING A GOOD STUDENT' by Lion M. Nagaraju,
Retd Principal, Sr ELF trainer in May 2020.



WORLD DAY AGAINST TRAFFICKING (PRAJWALA) INSTITUTIONAL SOCIAL RESPONSIBILITY-
STUDENTS AND WEC MEMBERS ATTENDED ONLINE PROGRAM dt: 30-07-2020



30th July 2020
WORLD DAY AGAINST TRAFFICKING IN PERSONS

FIRST EVER WEBINAR with SURVIVORS OF SEX TRAFFICKING

Stateholders from a Ministry maintain they dominate wide areas of epidemic around human trafficking making it a rarely discussed and reported issue.

But do these speeches and conversations capture the voice of the survivor?

On the occasion of World Day Against Trafficking in Persons, we will shed some existing service – support roles are now engaged in the important issue of trafficking. They are not present to us a hard reality which is the face of the person.

Place from their lives, their experience of trafficking, demand reduction, and the right norms of care and protection for victims.

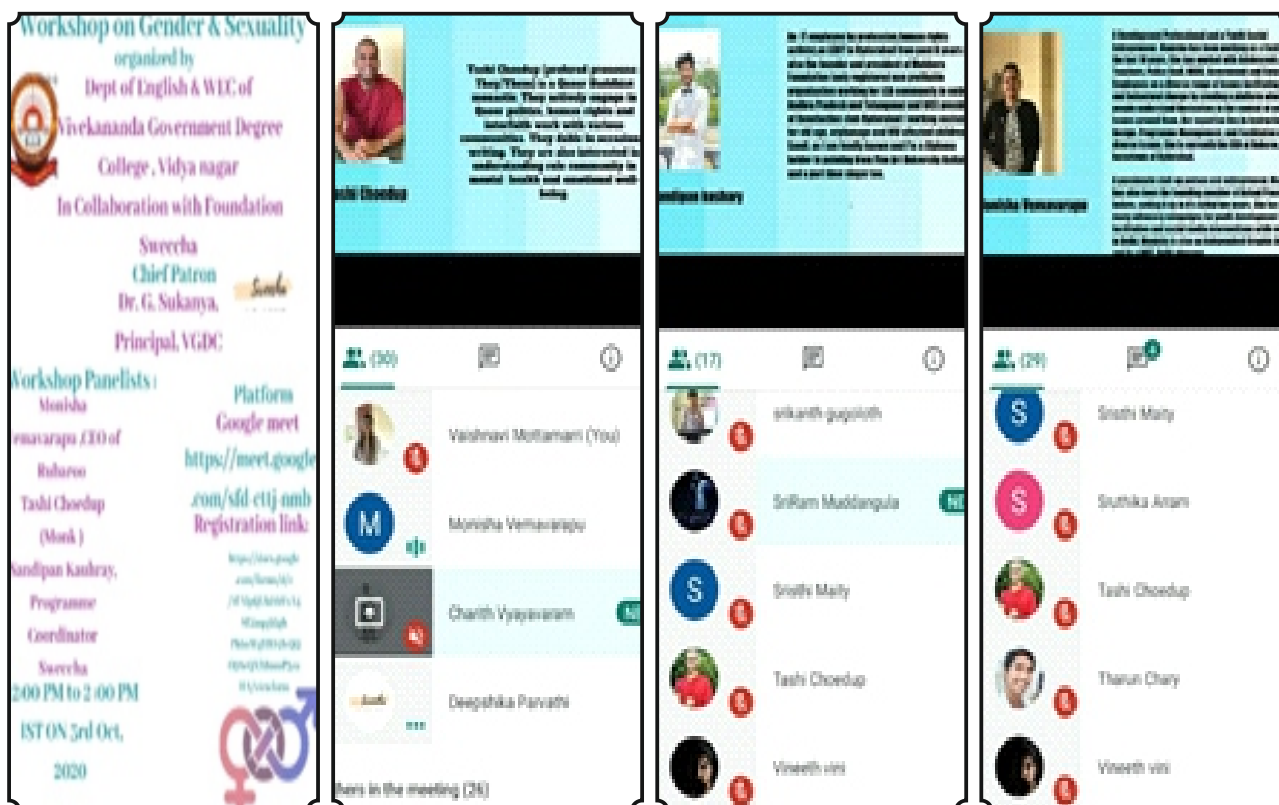
Watch out for the registration link!

Key Note Speaker Justice (Retd.) Justice B. Lallu	Session Facilitator Rajesh Kumar Member Member
Panelist Rajesh Kumar, Member of National & Child Line Dr. Anand Kumar, Member of National & Child Line Dr. Anand Kumar, Member of National & Child Line	Moderator Dr. Anand Kumar, Member of National & Child Line Dr. Anand Kumar, Member of National & Child Line

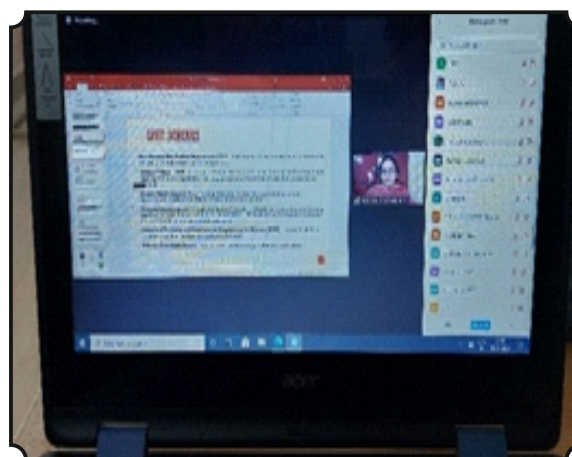
www.vivekananda.org

Workshop on Gender & Sexuality in collaboration with Sweccha foundation on October 3rd 2020.

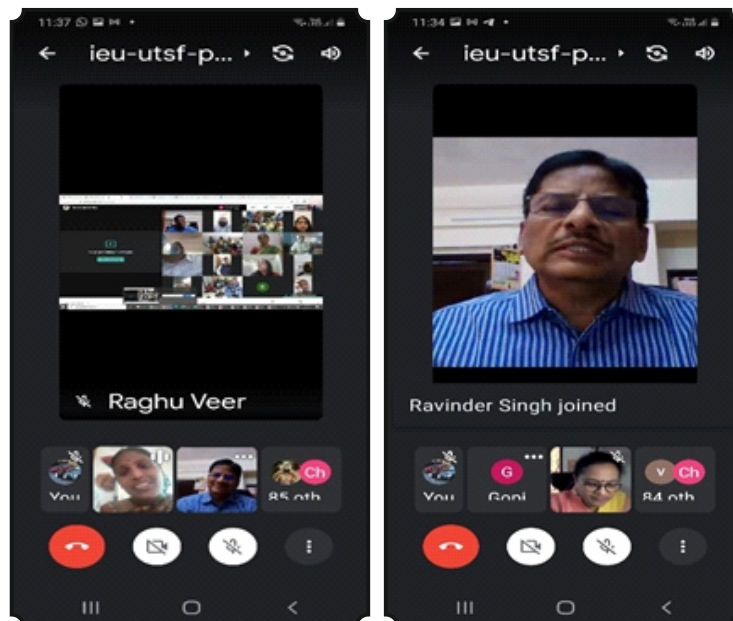
60 students registered for the workshop and 30 attended, 15 received certificates after workshop.



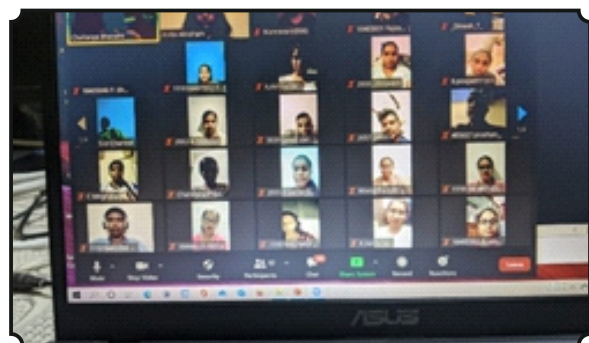
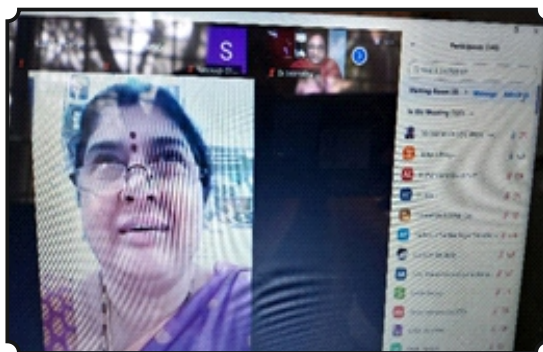
Webinar on " Women Empowerment: Issues and Challenges in the Indian context" by Dr. Mamatha Raghuv eer, founder, Tharuni, NGO- Online on January 6th 2021. About 180 students attended.



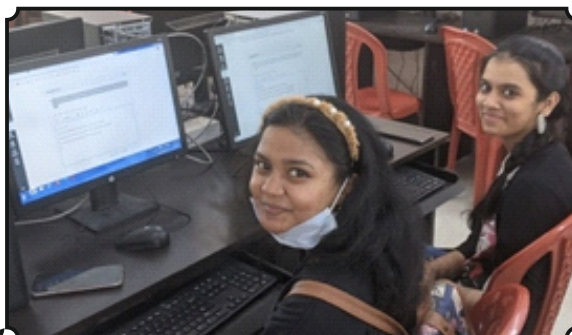
International Women's Day- Tharuni Mitr Award ceremony- online- Members of WEC, VGDC and students attended on 8th March 2021.



International Womens Day, March 9th 2021 - " Women in Leadership: Achieving an equal future in a covid 19 world" A webinar by Dr. Mamatha Raghuveer, Founder of NGO 'Tharuni'.



TESOL -Developing an Online Course 6 students took part in the 2 week CAPSTONE project "Developing Writing Skills" and received Certificates from TESOL- March 1, 2021 to March 14, 2021



TSKC Activities in a Nutshell 2020 - 2021

1. Title of the programme: Expert Talk on Cyber Security (Webinar)

Resource persons: Mr Krishna Chaitanya

No. of Students: 196

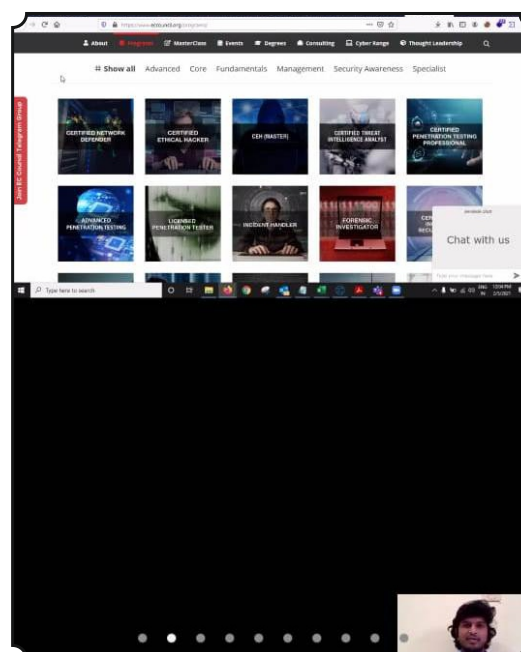
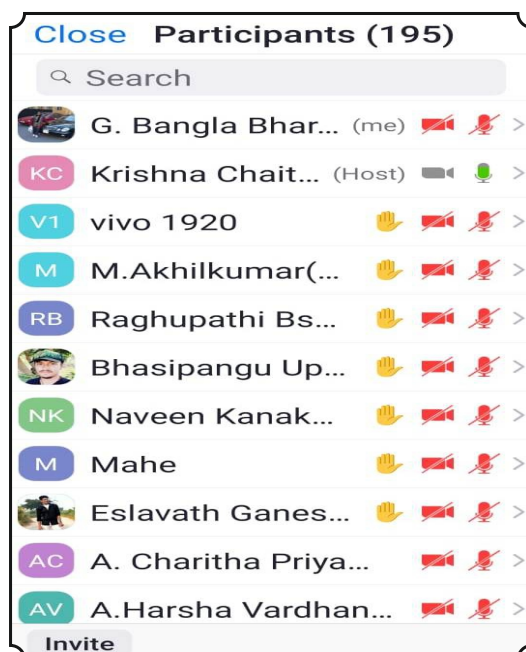
Date: 5th February 2021

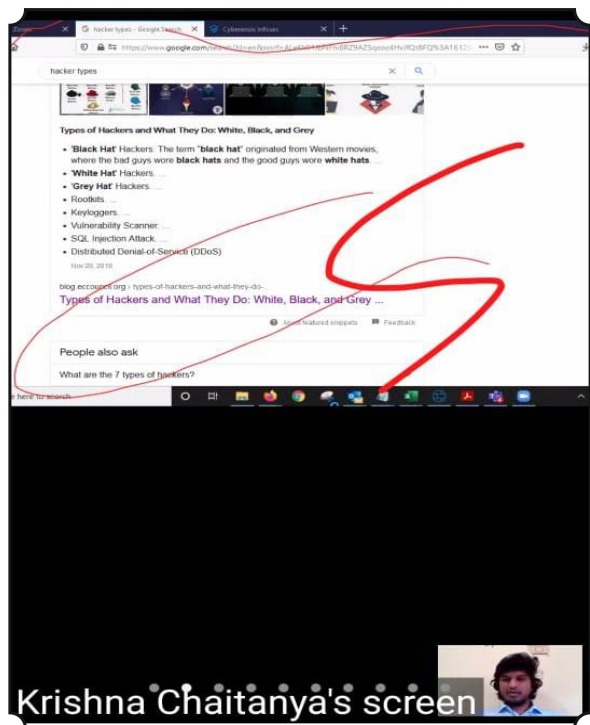
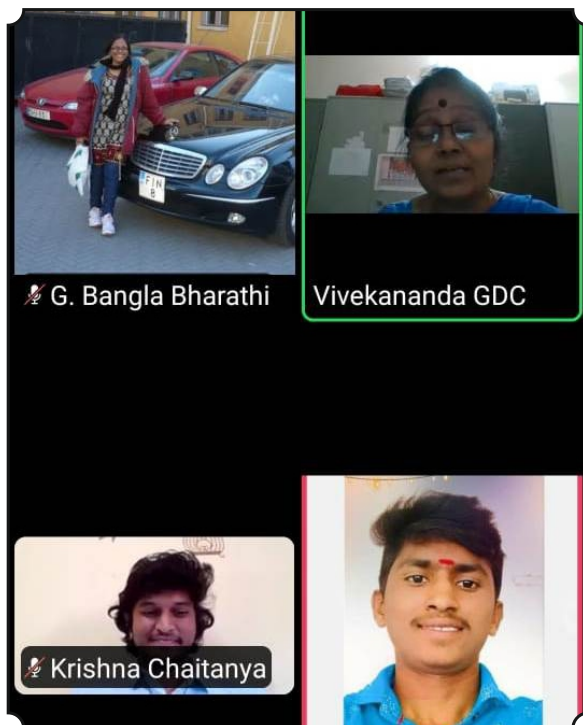
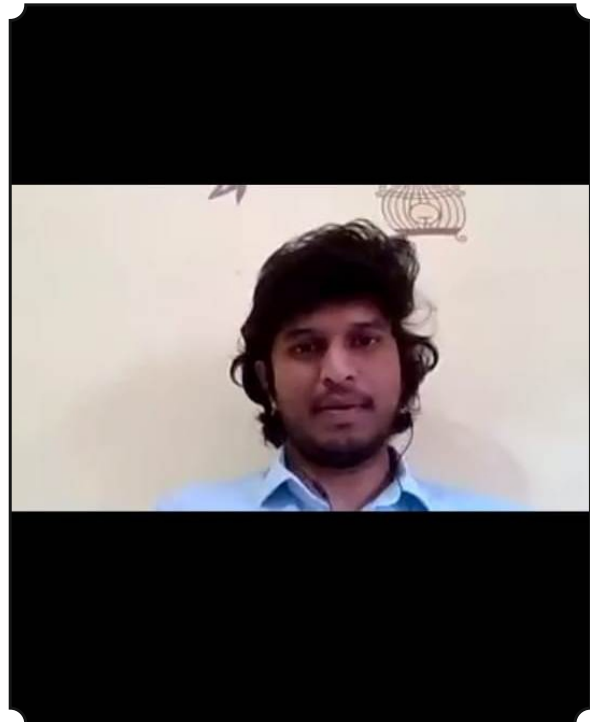
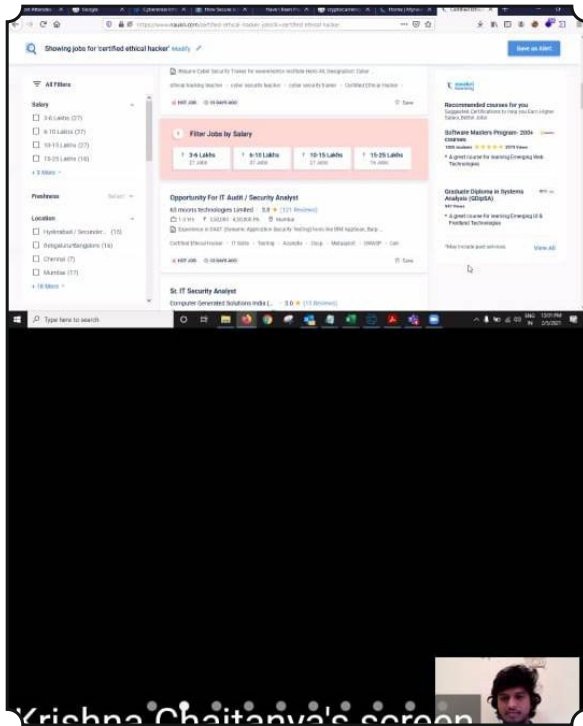
Report: A Webinar was conducted on 5th February 2021 at 11:00 AM. Resource Person Mr Krishna Chaitanya, CEO & Founder of Cyberensis Infosec enlighten the students on Cyber Security. He covered different types of Hacking Techniques and how hacker will attracted the user and how to secure our passwords etc.

The webinar concluded with an interactive session.

Outcomes:

The students acquired knowledge on Cyber Securities and its need in today's world and the placement opportunities on Cyber Securities.





Title of the Programme: Orientation Programme on Optical Fiber Technician and Optical Fiber Splicer

Resource Persons: Mr Ramana Rao

Date: 18th February 2021

Report: An Orientation program was conducted on 18th February 2021 at 11:00 Am in Seminar Hall (Old Block). Resource person Mr Ramana Rao (Marketing Manager) enlightened the students on Optical Fiber Technician and Optical Fiber Splicer Course, the duration of the course, and the job opportunities available and placement. The training is conducted by IITT (International Institute of Technology Training) a course costs Rs. 65,000/- which will be available to students at free of cost under prime minister Kaushal Vikas Yojana.

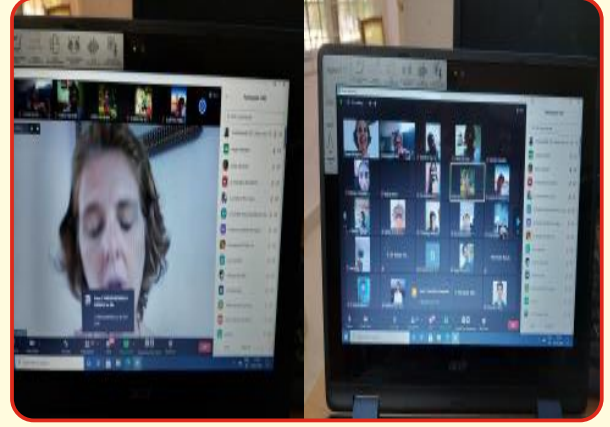
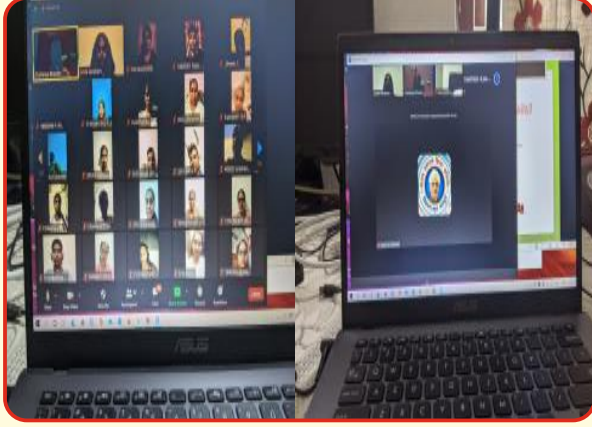
Outcomes:

The students were educated on how to;

Write a business plan

Analyse the financial needs and prospect of business.





Department of English

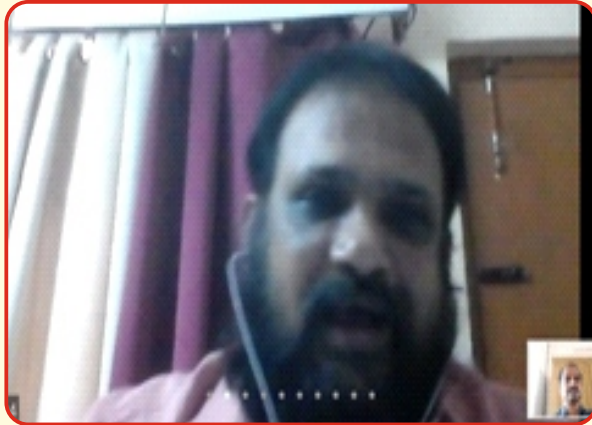


Samvidhan Live - Ruberoo, Department of English





Samvidhan Live - Ruberoo, Department of English



Sri M. Narayana Sharma- Webnar
Telangana Basha Dinotsvam



International Mother Language Day



Department of Telugu



Field Trip, Department of Sanskrit



Best Teacher Award 2020
Dr. A. Muktavani, Dept. of Sanskrit



Best Teacher Award 2020
Ms. G. Bangla Bharathi Dept. of English



Department of Physics



Essay Writing Competition



Extension Lecture Department of Physics



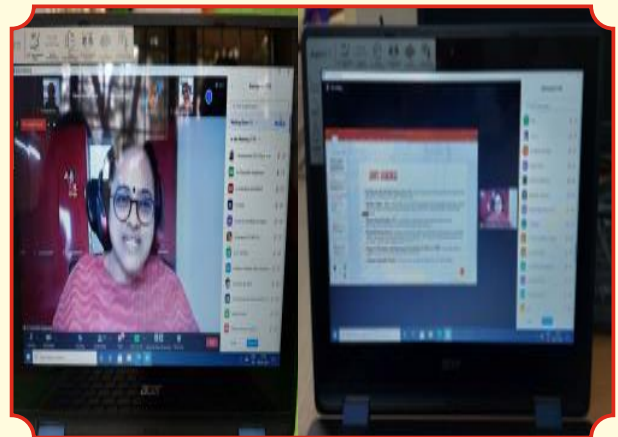
National Science Day



Rangoli Competition



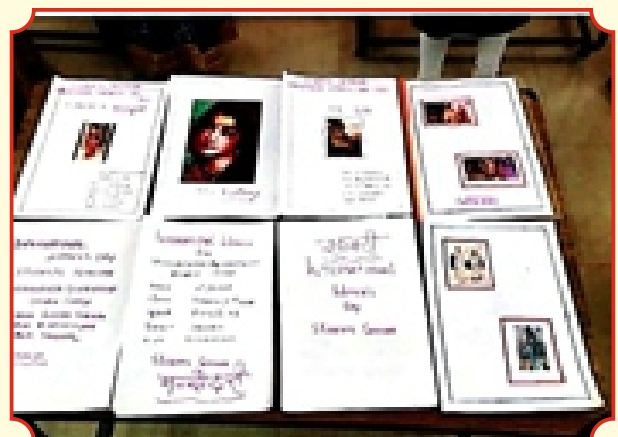
Department of Online Student Seminar



**WEC - Tharuni Mitra
International Womens Day**

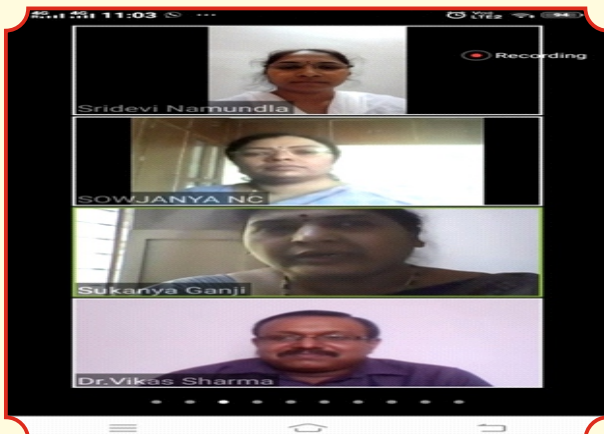


International Womens Day, Department of Sanskrit





Science Day



Guest Lecture Department of Life Sciences



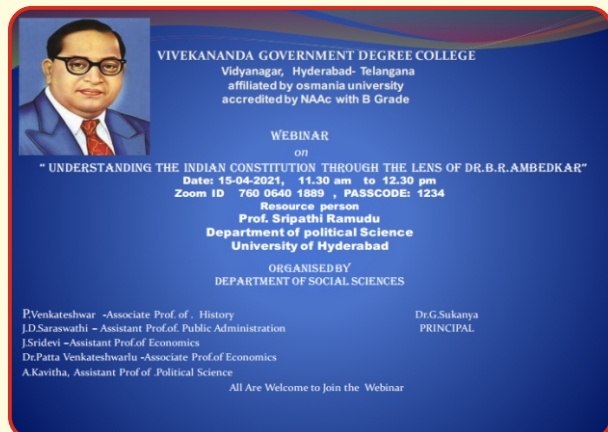
National Youth Day



National Voters Day



Department of Economics



Department of Social Sciences - Webniar



Yuvatarang - Kabaddi



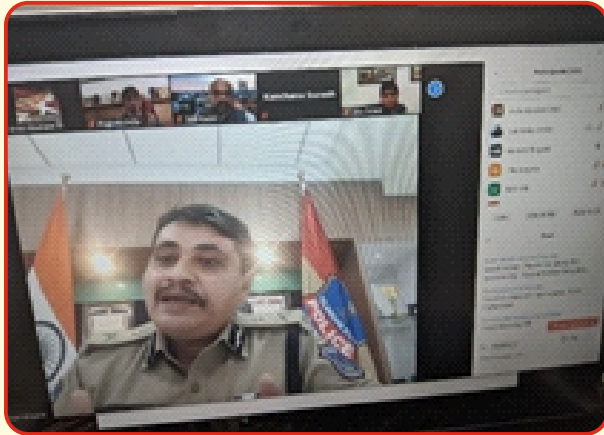
Shotput



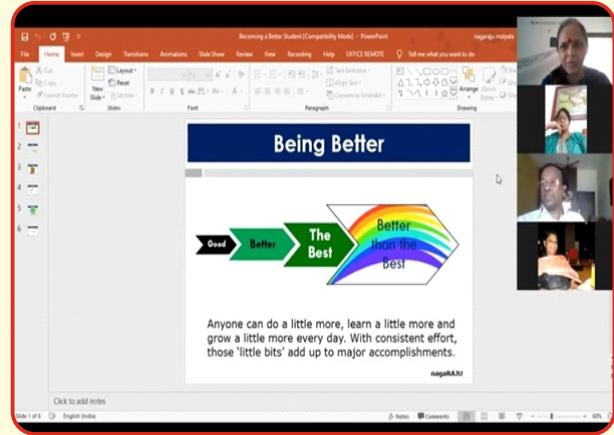
Department of Commerce MOU



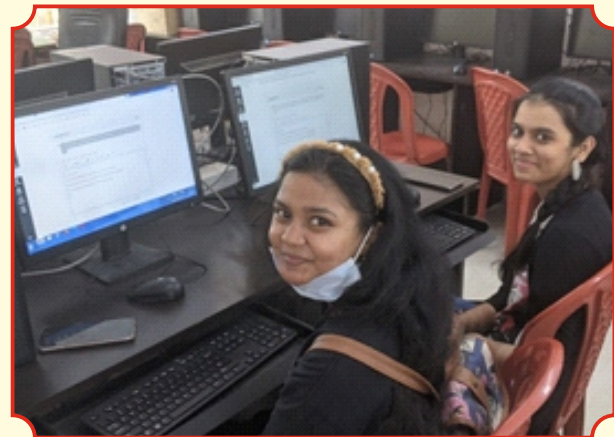
Department of Commerce



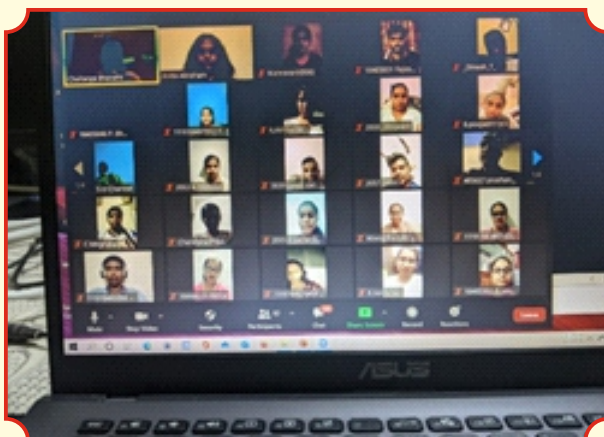
Webinar on Cyber Crime Department of English



Guest Lecture Ln Nagaraju,
Department of English



Online Certificate course
Department of English



Department of English



Telangana Handball National Tournament
Players



Haritha Haram



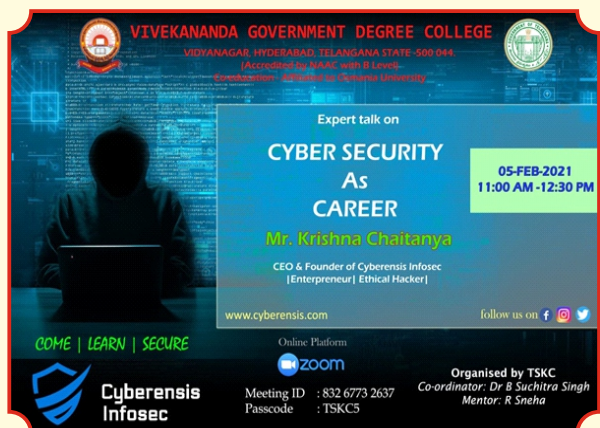
TSKC



TSKC



Science Model Display Day



**Cyber Security Webinar
Department of TSKC**

English Reflections



Changemaker - What I learnt being a College Level Coordinator

M. Vaishnavi
BBA - II year

I am Vaishnavi , BBA 2nd year, and I'm going to share my experience of working as Coordinator with "Sweecha ", a changemaker project of Rubaroo.

Since the lockdown from 22nd of March 2020, I decided not to get bored and depressed, when one of friends called me to inform about leadership project. It sounded amazing especially the theme of Sweecha.

Sweecha is an initiative which focuses on education and awareness regarding gender-based violence and importance of nutrition in women and child's health. It plays a crucial role in educating young girls and adolescents about menstrual hygiene, inclusion and importance of iron in their diet.

After started working with them we organized some webinars with Rainbow spaces and at our college too.

The webinar / workshop with a team of 3 members conducted at college had 3 eminent speakers: Monisha, CEO of Rubaroo; Tashi Chodeup Monk; Sandhipan Kausharaya, founder, Mobbera Foundation.

The sessions focused on educating young people about gender, sexuality, interfaith and violence. Points covered were:

- Educating about given vs chosen identity
- The impact of religion in gender identity and sexuality
- The violence that a particular sex or gender face due to chosen identity. Understanding sexuality, gender, equality and identity.
- Impact of religious understanding of gender and sexuality. Sexuality and violence.

When it comes my role as a coordinator of the project, I collected the data of institutions that were interested to work with us and get the collaboration for the project with different Non-profit Organizations.

It was not an easy task but quite challenging to collect the information. I enjoyed the work and I made sure that the facilities required for every session like posters, flyers, Resource Person, registration and feedback on Google forms were prepared and ready.

When it comes to my overall learning as being a college level coordinator for the project and the workshops, webinars conducted, I found it difficult to manage everything, but with teamwork and guidance I learnt to fare well. Team dynamics, being open to discussions, ideating made my journey fruitful. I realised that learning is the process which has no full stop.

The Need for Gender Parity in 21st century in Indian Context

Qamar Banu
B.Sc II year

Discrimination against women and girls is a pervasive and long-running phenomenon that characterises Indian society at every level.

India's progress towards gender equality, measured by its position on rankings such as the Gender Development Index has been disappointing, despite fairly rapid rates of economic growth.

In the past decade, while Indian GDP has grown by around 6%, there has been a large decline in female labour force participation from 34% to 27%. The male-female wage gap has been stagnant at 50% (a recent survey finds a 27% gender pay gap in white-collar jobs).

Crimes against women show an upward trend, in particular brutal crimes such as rapes, dowry deaths, and honour killings. These trends are disturbing, as a natural prediction would be that with growth comes education and prosperity, and a possible decline in adherence to traditional institutions and socially prescribed gender roles that hold women back.

A preference for sons :

Cultural institutions in India, particularly those of patrilineality (inheritance through male descendants) and patrilocality (married couples living with or near the husband's parents), play a central role in perpetuating gender inequality and ideas about gender-appropriate behaviour.

A culturally ingrained parental preference for sons — emanating from their importance as caregivers for parents in old age — is linked to poorer consequences for daughters.

The dowry system, involving a cash or in-kind payment from the bride's family to the grooms at the time of marriage, is another institution that disempowers women. The incidence of dowry payment, which is often a substantial part of a household's income, has been steadily rising over time across all regions and socioeconomic classes.

This often results in dowry-related violence against women by their husbands and in-laws if the dowry is considered insufficient or as a way to demand more payments.

These practices create incentives for parents not to have girl children or to invest less in girls' health and education. Such parental preferences are reflected in increasingly masculine sex ratios in India. In 2011, there were 919 girls under age six per 1000 boys, despite sex determination being outlawed in India.

This reinforces the inferior status of Indian women and puts them at risk of violence in their marital households. According to the National Family and Health Survey of 2005-06, 37% of married women have been victims of physical or sexual violence perpetrated by their spouse.

Education is Empowerment

Faiza
B.Sc MPCs II year

Education Remains the key to both economic and political Empowerment" - Barbara Jordan

Empowerment is the degree of autonomy and self-determination in people and communities. This enables them represent their interests in a responsible and self-determined way. Education is one the most important means of empowering with the knowledge, skills and self confidence. Education is basic human right similar to food and shelter and that it is vital to protecting human dignity. Education enables a person to become strong physically by giving knowledge. Education provides man power such as doctors, teachers, pilots etc.. These can play a major importance of our developing of our country. Education is considered as a basic knowledge requirement and fundamental right for the citizens of any nation. Education is the most important tool to change their position in the society still there are many people of our country are illiterate, backward. Education awareness must spread by country. Education is an important tool which is useful in everybody's life. Education is often seen as one the main pathways to achieving another key development vital to the progress of humanity namely, girl's and women's empowerment.

Children need to be educated. We know that when children are educated, encouraged and empowered, they have the power to change their lives and the community around them. Children share their knowledge with their families and then their communities. A child through education learns basic rules, regulations and values of society. Education thus is essential for the development of mankind. It enables people to know the world beyond their own surroundings and transform them to become rationalist and humanist in outlook and world view.

Role of Education

- 1.Education allows to take decisions as education opens ways to take decision according to their choice whether it is relates to life style, job, career.
- 2.Education teaches us to learn what is right and wrong.
- 3.Quality Education can help to reduce poverty and inequality.
- 4.Education can give people the ability to become independent.
- 5.Education helps people become better citizens, get a better-paid job.
- 6.Education shows us the importance of hard work and, at the same time, helps us grow and develop.

I Believe

- Awareness of education is essential.
- Through education, one realizes ones rights and freedom.
- Education increases the confidence for developing the ability to think critically.
- The word Empowerment remains in the books and paper but becomes a reality in the society through education

Empowerment means moving from weaker position to exercise power. Education increases the status in our society. Proper and good education is very important for all of us. It facilitates quality learning all through the life among people of any age group, caste, religion, region. It is the process of achieving knowledge, values, skills, beliefs and moral habits. Education also means helping people to learn how to do things and support them to think about what they learn. Through education, the knowledge of society, country, and of the world is passed on from generation to generation.

I believe Education is the most important tool we can receive that can bring development and success in society today. Education lessens the challenges we face in life. The more knowledge we gain the more opportunities will open up to allow us to achieve better possibilities in career and personal growth.

" Self-Education Is Self-Empowerment"

The Advantages And Disadvantages of India's Cultural Pluralism

Tanveer Tabassum
B.Sc MPCs II year

"Cultural differences should not separate us from each other, but rather cultural diversity brings a collective strength that can benefit all of humanity."

Pluralism means an ideology which envisage a society where many beliefs, faiths, religions, cultures, traditions and practices exists without any friction or violence among them. A plural society does not discriminate or favour one belief, faith or religion over other rather it treat all to be on the same footing. Pluralism emphasis on peaceful coexistence, communal harmony and cultural contacts which strengthen "diversity" in the society. Being a believer in mostly Indian culture, I am more likely to see its pros. But I am sure I can justify myself for appreciating the Western Culture as well.

Pluralism in India has meant the substantive representation and respect for diverse people, in all arenas. Pluralism celebrates diversity of people, expressed through ideas, languages, religions, races, etc. I like how Indian culture teaches us to respect every individual. Elders in the family, neighbourhood, etc., are greeted with utmost regard. Hence we have the two different words "Tum" and "Aap" in our Dictionary, unlike English which has only 'YOU'.

Culture is extremely important because it determines to a large extent our value systems and correspondingly our attitudes and behavior. Culture is a reflection of our shared experiences and memories.

Cultures are neither good or bad, but simply a collective wisdom that suits our environment. Having said that, the western world seems to make changes more rapidly in their culture, possibly because their denizens are better educated and see less risk in innovation and change.

Culture affects our daily life in many ways- In India we look at time as timeless, an ancient civilization, time in India flows like a river and hence many Indian's do not care too much about deadlines and so on. The western world looks at time in short units and are sequential time keepers. The move from one event to another, where deadlines are important. A problem arises when the two cultures meet without understanding.

Culture is also deeply ingrained - an Indian girl in denims does not make her western, while a denizen of the UK practicing yoga does not make him Indian. These are superficial artifact of culture and can easily be altered.

Cultural value systems are deeply ingrained - In India, the family and it's happiness is highly valued while in the USA, individual freedom and independence is top dog. These cannot be changed like slipping in and out of a pair of jeans.

The tragic part about culture is that religion and culture are often confused, raising conflict. A good example is the break-up of Pakistan. The East & West Pakistani's were poles apart, with a common religion. The country crafted on religion was just not sustainable. In India we could have wide religious diversity but a fairly contiguous culture with very similar value systems.

To sum up - culture is what makes strangers similar in a complex world. Carefully look at the culture around and adapt, or you will perish. Smart business folk study a new business places culture carefully before embarking on a venture abroad. It is also dangerous to foist your culture on a set of people who are culturally different - it leads to resentment and rebellion. Eventually - Cultures are neither Good or Bad! WE NEED TO ADAPT. Organizational theorists tend to homogenize what is, in reality, a pluralistic world, emphasizing the discovery of unifying principles that lend organizational focus, legitimacy, and identity while downplaying some of the complexity that pluralism often entails. In their original formulation, most organizational theories have richness and depth in modelling pluralistic variety; over time, however, theorizing seems to have purchased parsimony and generality at the cost of accuracy or realism. We revisit the dominant questions from three influential paradigms-strategic management, and organizational identity-and explore alternative theorizing that advantages pluralism.

I firmly believe "Intercultural dialogue is the best guarantee of a more peaceful, just and sustainable world."

Zero 'O' Clock

Shivani
BBA I year

In those days,
when you are safe for no reason,
Your body is heavy ,
Everyone seem to be so busy and competitive,
You can't take another footstep,

You feel like you are already behind.....
The whole world seems so cunning,
There are speed bumps everywhere,
Your heart crumbles and you talk less,
Why...?
You've been running so hard,

Why is this happening.....?
You come to your house,
Resting....
Thinking....
It was all your fault,
In the midst of dizzy night,
Glancing at the wall clock while it's being...

Zero 'o' clock
Another day arriving....
Will something change.....? No,it's probably won't
But this day ends....
The clock hands aligning,
The world holds it's breathe for second at....

Zero 'o' clock
And your gonna be happy,
Just like the snow that piled up,
Just like a new beginning,
It turns this all around,
Everything's new at....
Zero 'o ' clock

G. Naresh
BA 3rd Year

CONSTITUTIONAL POEM

Do you know Who is ruling Our country
It is none other then bulkiest Indian constitution.
With 448 articles, 25 parts, 12 schedules and 115 amendments
Changing with the territorial requirements .

It is sovereign socialist, secular and democracy
No more tolerance depicted with hypocrisy
With a social, economical and political justice
In every aspects of an individual as equal practice

Liberty of thoughts, expression and beliefs

Faith and worship with constitutional relief

Status of equality and brotherhood opportunity

Nations integrity, fraternity and unity

It makes every individual independence

By making constitutional amendments

Our constitution is secular

By balancing every religion in particular

With social, economical political equality

Our democracy govern with public majority

Role of constitution are legislative, executive and judicial

By dividing power of unions of state are presidential .

It makes the govt to function under limited power

By amending and enacting with situational hours

PARLIAMENT OF INDIA

Rule and regulations are written with detail structure

Constitutional operating with particular procedure

Duties of citizens are many

How many of we promptly followed any

We impose power and them dominate with authority

By avoiding duties of civilian responsibility

Learn and obey the laws of land

Protect the nation with unity of hand

Respect the rights , beliefs, and opinions of others

Flow in the high sky with constitutional feather

Protect the power and safe guard public property

Deserve the composite culture and nature of our country

Constitution was written in parliamentary form

With combination of rigidity and flexibility norm

Fight for common brotherhood

Develop your better livelihood.

PARLIAMENT OF INDIA

BE BOLD

S. Nikhil Bhargav
BBA I year

Pretend to be bold, stop bothering about the world.

Don't think that you're not the best, your actions will do the rest.

Fill yourself with faith, don't drift from your path.

When darkest days, you'll see the real shades.

Lead the different role, be the inevitable soul.

A Brief History of Pi (Π)

M.V. Durga Bhavani
BSc (MSCs) 2nd year

Pi (Π) has been known for almost 4000 years - but even if we calculated the number of seconds in that 4000 years and calculated Π to that number of places, we would still only be approximating its actual value. Here's a brief history of finding Π .

The ancient Babylonians calculated the area of a circle by taking 3 times the square of its radius, which gave a value of $\Pi=3$, one babylonian tablet (ca.1900-1680 BC) indicates a value of 3.125 for Π , which is a closer approximation.

The Rhind papyrus (ca.1650 BC) gives us insight into the mathematics of ancient Egypt. The Egyptians calculated the area of a circle by a formula that gave the approximate value of 3,1605 for Π .

The first calculation of Π was done by Archimedes of Syracuse (287-212 BC), one of the greatest mathematicians of the ancient world. Archimedes approximated the area of a circle by using the Pythagorean theorem to find the areas of two regular polygons, the polygon inscribed within the circle and the polygon within which the circle was circumscribed. Since the actual area of the circle lies between the areas of the inscribed and circumscribed polygons, the areas of the polygons gave upper and lower bounds for the area of the circle. Archimedes knew that he had not found the value of Π but only a approximation within those limits. In this way, Archimedes showed that Π is between $31/7$ and $310/71$.

A similar approach was used by Zu Chongzhi (429-501) a brilliant Chinese mathematician and astronomer. Zu Chongzhi would not have been familiar with Archimedes' method - but because his book has been lost little is known of his work. He calculated the value of the ratio of the circumference of a circle to its diameter to be $355/113$ to compute this inscribed regular 24,5476 gon and permitted lengthy calculations involving hundreds of square roots carried out to 9 decimal places.

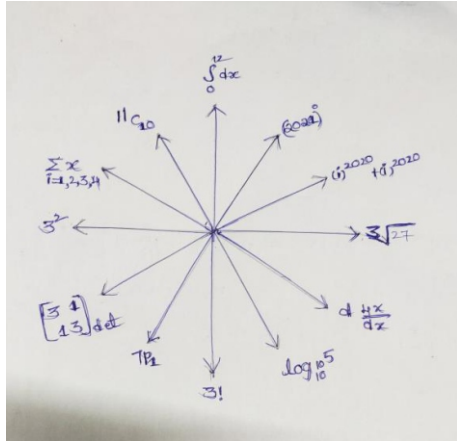
Mathematicians began using the Greek letter Π in the 1700s. Introduced by William Jones in 1706, the symbol was popularised by Leonhard Euler who adopted it in 1737.

An eighteenth-century French mathematician named Georges Buffon devised a way to calculate Π based on probability. You can try it yourself at the Exploratorium's Pi Toss Exhibit.

Mathematics

Naresh
MPCs IIInd yr

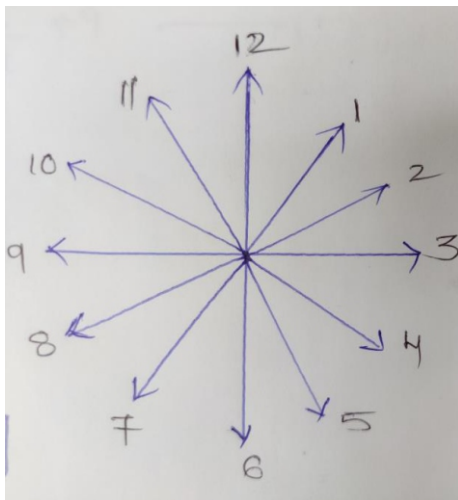
Can you find what it indicates ?



Answer

↓↓

Watch



Reasoning

1. which number will come in question mark place ?

6,17,39,72,?

A.55. B.94. C.116. D.127

2. If $14\#13=9$, $27\#36=18$ then $46\#31=?$

A. 14 B. 10 C. 29 D.none

3.Z,U,Q,?,L

A.I B.N C.M D.J

4. Identify the different one

A.61 B.71 C.51 D.41

Answers

1.C 2.A 3.B 4.C

Explanation

1. $6+11=17$

$17+22=39$

$39+33=72$

$72+44=116$

2. $4+6=10$ $3+1=4$

↓↓

$10+4=14$

3. $Z=26$

} -5

$U=21$

} -4

$Q=17$

} -3

$\rightarrow N=14$

} -2

$L=12$

4. All are prime numbers but 51 is not prime number .since $51=17 \times 3$

Corporate Applications Of Block Chain In Pharma And Bio-Tech Startups:

K. Devan Chakravarthy,
& Yamini
B.Com, 3rd yr

Sta Twig platform helps Unicef , Gavi, and Pharma companies .Injecting dose of Block chain IOT tech for safe delivery of vaccines.While WHO and Unicef data points out that 20 million children worldwide missed out on lifesaving vaccines such as measles, diphtheria and tetanus in 2018 , industry estimates suggest that over 30 % of the total vaccines produced go waste, causing loss of precious health as well as wealth.

City based first generation entrepreneur Siddharth Chakravarty intends to take a shot at solving this mammoth problem plaguing humanity with the help of Blockchain technology.His first brush with entrepreneurship came after he joined networking giant Cisco , where he worked in the area of emerging technologies during 2014-16."He was working in the Bay area and used to interact with start-ups, understanding their tech requirements. During this time, he gained an insight into the world of start-ups he says, adding that in 2016 he was back in the city to find a problem that he would be able to solve with the help of technology.

Even as he hunted for a worthy problem, he offered consulting services to the manufacturing sector that helped him gain an insight into supply chain woes.

"Managing the supply chain is a big problem for any sector and it has been working in the same way for ages. While there have been attempts to digitise it, supply chain remains very fragmented. Too many stakeholders are involved and everyone has their own interests. Therefore, having end-to-end transparency between the stakeholders is difficult," he says, adding that he finally zeroed in on using tech to solve supply chain woes of vaccination players.

Prior to the advent of emerging technologies, pharma and food players relied on data loggers, a sensor that would change colour with the fluctuation in temperature but would not alert the relevant stakeholder or provide the exact time or location where the temperature variation took place.

To tackle this challenge, his maiden venture Sta Twig started working on a Blockchain solution that provides end-to-end visibility of the vaccine once the consignment leaves the vaccine manufacturing plant and is transported to a health centre.

This solution primarily helps manufacturers not only monitor the supply chain and plug the loop holes but also fight the menace of fake or counterfeit vaccines. They are not just able to track their consignment and know when it has been delivered, the solution also helps them predict when their next order will be placed. The forecasting of demand and supply is a very important aspect of their business as it brings in efficiency and leads to cost reduction. Besides , they are assured that a genuine product manufactured by them has reached the end – user" he explains.

What is encouraging for Sta Twig is that there are certain regulations that encourage stakeholders to adopt such tech solutions. For example. The Drug Quality and Security Act, that was enacted in

2013 in the US, outlines steps to build an electronic, interoperable system to identify and trace certain prescription drugs as they are distributed in the US.

HIGHLIGHTS OF BLOCK CHAIN IN START UP:

Sta Twig set up in 2016 by Siddharth Chakravarty. It offers supply chain management platform for vaccine and food. This platform leverages Block chain and I o T to allow monitoring of product movements. The platform connects all stakeholders such as consumers, producers, distributors , regulators and financiers so they can create and use tamper proof ledgers that helps to build transparency in supply chain. It helps to prevent third party interference in data or contracts. Stakeholders can use this data to reduce failures, predict demand and capacity levels in the extended supply chains. Sta Twig is the only Indian start up to receive a \$1,00000 funding from the Unicef Innovation Fund last year.

BENEFITS OF BLOCK CHAIN

India could take a leaf out of Europe's book instead a calling for a blanket ban on crypto currencies:

The Banning of Crypto currency and Regulation of Official Digital Currency Bill, 2009 has proposed stringent penalties, including 10 years of imprisonment, for holding, selling or dealing in crypto currencies such as Bitcoin. Given the high chances of crypto currencies being misused in money laundering, various government bodies such as IT, CBDT, and the customs departments have endorsed this endeavour.

While it is important to put mechanisms in place to deter bad actors, a blanket ban on all forms of cryptocurrency transactions will result in India missing out on what may become one of the biggest technology revolution since the Internet.



YOURSELF

M. Vaishnavi
BBA II year

Stop being sincere, start staying crazier.

Think of being ideal, pretend to be sophisticatedly.

Forget about society, concentrate on your indemnity.

Show your hidden talents to the world, to be bold.

Every time you can't impress, but you can express.

Be the one, that no one could imagine.

Break all the barriers, be the only warrior.

Live the way you like, love the way you're.

Applications of Artificial Intelligence in Banking Sector

Aishwarya
& Seema
B.Com, IIInd yr

Introduction:

Artificial Intelligence may be something fundamentally new for many industries – but not for the banking sector: according to analysts at Accenture, who prepared the Banking Technology Vision 2018 report: Building the Future-Ready Bank, banks could be considered as “veterans” in terms of the history of using these technologies: the first neural networks for automatic lending appeared in this industry more than 20 years ago. AI in finance and banking is all about continuous Learning and Re-learning of patterns, data, and developments in the financial world. AI gives the flexibility to build upon the current system or line of financial products and services. AI and machine learning popularly used in a wide range of applications across the financial system including to assess credit quality, to price and market insurance contracts, to automate client interaction, for regulatory compliance, surveillance, data quality assessment and fraud detection.

Industry experts are already estimating the benefits that large-scale introduction of AI technologies will bring to companies in the sector. For instance, Autonomous Research, a US independent analytical agency that conducts research in the field of financial technologies, offers the following estimate: in the United States alone, artificial intelligence will provide banks and financial institutions with savings of 22% until 2030, or more than \$1 trillion.

Meaning:

Artificial Intelligence (AI) has been around for decades, ever since John McCarthy defined it as “the science and engineering of making intelligent machines”. But it is only lately that AI technology has undergone rapid evolution and raised significant interest among the Banking Sector. Artificial Intelligence is the theory and development of computer systems which are able to perform tasks that normally require human intelligence, such as visual perception, speech recognition, decision-making, and translation between languages

The Financial Stability Board defines AI as “the theory and development of computer systems able to perform tasks that traditionally have required human intelligence.” Artificial intelligence and machine learning in financial services, it sounds complicated, but some forms of AI—like Google's search engine—have been used for decades. Newer types of AI—such as ML(machine learning) and NLP (Natural language processing)—have emerged more recently as aggregation of massive amounts of data (often called “big data”) has become easier and the use of faster, more powerful computing has spread.

Use of AI in Banking Industry

The banking industry is increasingly taking advantage of AI, especially ML in the following aspects.

1) Customer Service Automation:

As natural language processing (NLP), technology evolves, consumers find it increasingly difficult to distinguish between a voice bot and a human customer service representative. This stems from improved abilities on the part of voice and chatbots to resolve customer issues without human intervention.

The benefits to banks of customer service automation are obvious: AI could lead to significant cost reductions. A recent study by Autonomous predicted that AI could lead to 1.2 million jobs being cut in the banking and lending industry, resulting in up to \$450 billion in industry savings by 2030. An example of how banks are creatively employing AI to serve customers is here. The Swiss bank UBS, ranked number 35 globally for its volume of assets, according to 'Accuity's August 2018 global bank rankings -- has partnered with Amazon to incorporate its "Ask UBS" service into Alexa-powered Echo speaker devices. Ask UBS, which is aimed at UBS's European wealth management clients, enables users to receive wide-ranging advice and analysis on global financial markets just by "asking" Alexa. "Ask UBS" also acts as a teaching resource, offering definitions and examples of acronyms and jargon related to the financial industry.

2) Personalization:

ML algorithms can predict likely product selection based on a customer's financial data, habits and spending style. Voice-enabled "chatbots"—computer programs designed to simulate human conversation—are frequently employed for this task, powered by ML programs that use NLP.

Banks have access to a wealth of customer data, including detailed demographics, website analytics and records of online and offline transactions. By utilizing machine learning to integrate and analyze information from multiple, discrete databases to form a 360 degree customer view, banks are better positioned to personalize products, services and interactions based on the behavior of individual clients.

Banks are already utilizing AI-processed behavioral data to advise individual clients on appropriate credit and savings products, based on their goals and habits. Santander, 'the world's 14th largest bank, measured by its current assets, even hosted a competition, with a prize of \$60,000, on the machine learning crowd sourcing site Kaggle, encouraging data scientists to write code that better "pairs products with people."

3) Pattern Recognition and Fraud Prevention

The ability of AI to sift through massive amounts of data and identify patterns that might elude human observers is one of its greatest strengths. One area where this capacity is particularly relevant is in fraud prevention and detection. ML algorithms can sort through a customer's history of transactions—amounts, location, time and merchant or vendor—to see whether a current transaction is an outlier and flag it for investigation.

According to McAfee, cybercrime costs the global economy \$600 billion. AI and machine learning solutions are being deployed by many financial service providers to detect fraud in real time. An additional benefit of improved fraud prevention technology is that legitimate activity is flagged as

fraudulent less often. According to Tech2, Mastercard was able to reduce “false declines” for its customers by 80 percent using AI technology.

4) Security :

In the banking and payments industry, personalization extends far beyond marketing and product customization, into security. A growing number of banks are utilizing biometric data, like fingerprints, to replace or augment passwords and other forms of client verification.

A report by Goode Intelligence forecast that 1.9 billion bank customers will be using some form of biometric identification by 2021. The Guardian reported that U.K. bank 'Halifax even experimented with Bluetooth wristbands that identified a clients unique heartbeat to authenticate account access.

Apple (iphone) has evolved its Face ID so that it now uses AI-powered facial-recognition technology to unlock the device as well as validate purchases using Apple Pay, its digital wallet service. As facial recognition and other biometric authentication techniques become more sophisticated and secure, they are poised to become increasingly commonplace.

5) Process Optimization

One of the most promising applications of AI in banking comes from automating high-volume, low-value processes. In one example, , JPMorgan began using bots to process internal IT requests, including employees' attempts to reset their work passwords. Up to 1.7 million requests were handled by the bots in 2017, doing the work of 40 full-time employees.

6) Risk Management 2017 and 2018 saw financial institutions adopting ML solutions for financial risk management. Traditional software applications predict creditworthiness based on static information from loan applications and financial reports. Machine learning technology can go further and also identify current market trends and even relevant news items that can affect a client's ability to pay. Of course, risk management also extends to preventing financial crime and financial crisis prediction. Machine learning in financial services provides solutions to these and many other risk concerns.

7) Digital Assistants

This technology empowers customers to use banking services with voice commands rather than a touch screen. The natural language technology can process queries to answer questions, find information, and connect users with various banking services. Barclays is currently developing a technology that will enable users to carry out money transfers by talking to a robot computer system.

Machine Learning Makes Digital Assistants Almost Human

Google, Apple, Facebook, and Microsoft each have their own version of the virtual secretary. Google's Allo, Apple's popular Siri, and Microsoft's Cortana currently represent the state-of-the-art in digital helpers. ML gives the digital assistant the ability to “learn” a manager's needs and behavior, and to adjust accordingly. In this respect, new assistant will seem less digital the more we use it.

8) The reduced cost of AI in finance

This is something we all must have experienced and would, therefore, agree with. AI in finance has automated processes and drastically reduced the cost of serving customers. While AI has, on one hand, reduced the cost of financial services, on the other, it has made financing extremely convenient to avail. Through various digital servicing channels, AI is proving effective in attracting that large section of the population to financial services, which previously found them cumbersome, expensive, and time-consuming. AI can help support customer data protection, by producing anti-money laundering reports and know your customer (KYC) reports which, according to the International Banker, could cut compliance costs by up to 30 percent, saving billions across the sector.

9) Newer management styles:

AI in finance is opening up new avenues for banking and insurance leaders to seek advice. No more are financial experts limited to human opinions in order to make forecasts or recommendations in the field of finance. With AI in finance, these leaders can now ask machines questions that are pertinent to their business and these machines can, in turn, analyze data and help them take data-driven management decisions.

10) Wealth Management for clients

One of the banking areas that have seen a considerable investment in AI is wealth management. Both incumbents and newcomers are realizing that the digital shift happening in the banking space would affect this sector. Industry heavyweights are acquiring tech start-ups with special focus on automatic analysis of large amounts of unstructured data. The purpose is to detect "typical" behavioral patterns. These experts are hoping to build AI engines, which can provide insights on how to best service their high-net-worth clients. By automating large parts of the wealth management process, they would be able to offer personalized, tax-optimized investments to clients, who have far less in investable assets than what would usually qualify for professional wealth management.

11) Bank Secrecy Act Compliance

ML algorithms can help banks with the expensive, labor-intensive and duplicative work required to know their customers. The technology evaluates images to match documents and then flags those that might merit extra scrutiny. The use of AI in fintech regulatory compliance has been dubbed "regtech."

12) Better Credit Decisions

Artificial Intelligence provides a faster, more accurate assessment of a potential borrower, at less cost, and accounts for a wider variety of factors, which leads to a better-informed, data-backed decision. Credit scoring provided by AI is based on more complex and sophisticated rules compared to those used in traditional credit scoring systems. It helps lenders distinguish between high default risk applicants and those who are credit-worthy but lack an extensive credit history.

ML can sift out borrower characteristics from nontraditional sources such as utility bills, cell phone usage and social media footprints. These data supplement the usual underwriting criteria of credit scores and debt payments.

తెలుగు విభాగము



కథ

M. Abilash

B.Sc., MPCs - IIInd year

కథ పేరు :- పిల్లల పేరాస ఛందస్సు :- మంజరీ ద్విపద

మార్జాలములు రెండు మంచి నేస్తములు
సహవాసు లిద్దరీ సంచార వేళ
రుచికర మైనట్టి రొట్టె కనపడె
పరుగు పరుగున పోయె రుచి చూచుటకు
మార్జాలములు రెండు మందట పడెను
రోటి కొరకు వాటి పోటి పెరిగె
రొట్టెను జీల్చిన రొండు గా మారె
ఒకముక్క చిన్నగా ఒకటి పెనుపుగ
పెద్ద ముక్క కొరకు పెద్దగా అరిచి
నేను భుజింతు నేనె భుజింతు ననుచు
మాట మాట పెరిగి మర్యాద వదిలి
జగడము పెరుగుచు తగవు తరగక
నొకకోతి గల్గొని తగవాపు మనిన,
గొద గల్గిన కపియు మండలముల తో

నిట్లనియె "తమకున్న తగవాపెదను
తక్షణమున నొక తక్కిట తెమ్ము
తూచి దాన్ని ఇప్పుడు తుల్యము చేసి
పంచి ఇచ్చెద" ననిన చిలికాండ్లు తమ
తక్కిట తెచ్చిరి తరుల మెకమున
కిచ్చి మాకు సమము తూచి యిమ్మనెను
ఆకలి కీశము ఆహా యనుచుచు
రెండు కండములను రెండు పళ్ళెముల
లోవేసి తూచగా, లోపమైందనుచు,
పెద్దదైన దనెను, పేరాస తోటి
అట్లు ముక్క కొరుకగా నది చిన్న
ముక్క యయ్యె, నప్పుడు ముక్కచిన్నదని
నోటిలో వేసి, నప్పుడు పిల్లి జూసి
బేలు జరిగె నని చిక్కమోమేసె

నీతి:-

మిత్రులిద్దరి మధ్య మందట వలదు పేర్మి పెంచు కొనుము పెక్కు విధముగ పేరిమి పేరుతో పేరాస పెరిగిన,
ఫలమందుకొనుడు నడి నున్న మనిషి!

మనషి జీవితం

S. Umarani

BSc (MPCs) 1st Year

ఓ మనషి డబ్బును పట్టించుకోవడం తగ్గించు
జీవితాన్ని పట్టించుకో
జీవితం అనేది చాలా చిన్నది
జీవితం గురించి తెలుసుకోవడానికి నీ జన్మంతా చాలదు
ఆ జీవితంలో సగం జీవితం అర్థం చేసుకున్న
నీకు నువ్వు ఏంటో తెలుస్తుంది
నీవు చనిపోయేటప్పుడు డబ్బు నీతో రాదు
నీవు చేసిన మంచి పనులు, ఒకరికి చేసిన సాయం
నీ మంచి గుణము ఇవ్వే నీతో వస్తాయి

కవితా శీర్షిక : నేర్చుకో నరుడా నేర్చుకో

Naresh
BSc, (MPCs) IIInd Yr

ప్రకృతి మనకు ఎంతో ఉపకారం చేస్తుంది. నేర్చుకునేతత్వం ఉండాలో కాని ప్రకృతిలో ప్రతీ అంశం మనకు ఎదో వొకటి నేర్పిస్తుంది.

ప్రకృతిని చూసి మనమేమి నేర్చుకోవాలో తెలిపేదే నా ఈ చిన్ని కవిత.

పువ్వును చూసి నేర్చుకోవాలి

జీవితాన్ని అందంగా మలచుకోవాలని....

చెట్టును చూసి నేర్చుకోవాలి

ఎదిగేకొద్దీ వౌదగాలని.....

రాలిపోతున్న ఆకును చూసి నేర్చుకోవాలి

జీవితం శాశ్వతం కాదని....

ప్రవహించే నీటిని చూసి నేర్చుకోవాలి

జీవితంలో ఎదురయ్యే అవరోధాలను దాటుకెళ్లాలని...

మారేకాలాన్ని చూసి నేర్చుకోవాలి

కష్టాలలో సహనం వహించాలని...

హంసను చూసి నేర్చుకోవాలి

మంచిని మాత్రమే గ్రహించాలని....

నాట్యమాడే నెమలిని చూసి నేర్చుకోవాలి

జీవితాన్ని ఆనందమయం చేసుకోవాలని..

విహరించే పక్షులను చూసి నేర్చుకోవాలి

జీవితంలో క్రమశిక్షణను అలవర్చుకోవాలని..

చీమల దండును చూసి నేర్చుకోవాలి

ఐకమత్యంగా జీవించాలని...

ఎగరడానికి ప్రయత్నించే చిట్టి పక్షిని చూసి నేర్చుకోవాలి

నేర్చుకోవడం నేర్చుకోవాలని....

వేటాడే సింహాన్ని చూసి నేర్చుకోవాలి

లక్ష్యాన్ని సాధించే వరకు వదిలిపెట్టకూడదని....

అర్జున అస్త్రాలలో బీజగణితం

Abilash

B.Sc., MPCs - IIInd year

అర్జున అస్త్రాలలో బీజగణితం! న్యూటన్ మరియు లీబ్నిజ్ లకు 500 సంవత్సరాల ముందు మధ్యయుగ భారతదేశ గొప్ప గణిత శాస్త్రజ్ఞుడైన భాస్కరాచార్య (1114 -1185 CE) కర్ణాటకలోని బీజాపూర్ లో జన్మించాడు. ఈయన అవకలన గణితాన్ని కనుగొన్నాడు, సంస్కృతం లో దాదాపు నాలుగు గణిత గ్రంథాలను రాశారు. వాటిలో ఒకటి లీలావతి గణితం. ఈ పుస్తకం బీజగణిత సంబంధిత సమస్యలను కలిగి ఉంటుంది. ఈ సమస్యలు శ్లోకాల రూపంలో ఉంటాయి. ఆ సమస్యలకు పరిష్కారాన్ని కనుగొనడానికి శ్లోకాలను సరిగ్గా అర్థం చేసుకోవాల్సి ఉంటుంది. అందులో ఒక శ్లోకం యొక్క సమస్య ఈ క్రింది విధంగా ఉంది. మహాభారతంలో అర్జునుడికి మరియు కర్ణుడికి మధ్య జరిగిన యుద్ధంలో అర్జునుడు కర్ణుడిని జయించుటకు కర్ణుడి పై కొన్ని బాణాలను ప్రయోగించాడు. వాటి వివరాలు ఇలా ఉన్నాయి... కర్ణుడి నుండి వచ్చే బాణాలను ఆపడానికి తన దగ్గర ఉన్న బాణాలలో సగం, కర్ణుడి రథం యొక్క గుర్రాలను నియంత్రించడానికి బాణాల సంఖ్య యొక్క వర్గమూలనికి 4 రెట్లు, కర్ణుడి రథసారథి అయిన శల్యుడి (నకుల, సహదేవులకు మామ గారు) ని నియంత్రించడానికి 6 బాణాలు, రథం యొక్క గొడుగు, జెండా మరియు కర్ణుడి విల్లును చేధించుచుటకు 3 బాణాలు, చివరికి కర్ణుడు ఒకే బాణంతో చంపబడ్డాడు. మొత్తం మీద కర్ణుడికి, అర్జునుడికి మధ్య జరిగిన యుద్ధంలో అర్జునుడు ఎవరెవరిపై ఎన్నెన్ని బాణాలు ప్రయోగించాడు? సమీకరణం సరిగ్గా సూత్రీకరిస్తే ప్రాథమిక బీజగణితం ఈ ప్రశ్నకు సులభంగా సమాధానం ఇస్తుంది. మొత్తం బాణాల సంఖ్య 'X' గా అనుకోవాలి, పై వివరాలను బీజగణిత సమీకరణం గా రాస్తే.. $X = X / 2 + 4\sqrt{X} + 6 + 3 + 1$ దీనిని పరిష్కరిస్తే అర్జునుడు ఉపయోగించిన బాణాల సంఖ్య $X = 100$ అవుతుంది. అప్పుడు అర్జునుడు, కర్ణుడి బాణాలను ఆపడానికి 50, గుర్రాలను నియంత్రించడానికి 40, శల్యుడిని నియంత్రించడానికి 6, రథం యొక్క గొడుగు, జెండా మరియు విల్లును చేధించుటకు 3 బాణాలను, కర్ణుడికి 1 బాణం ను ఉపయోగించాడు. ఈ సమస్య యొక్క అర్థాన్ని లోతుగా పరిశీలిస్తే.. అర్జునుడి వంటి అతిరథికి కూడా కర్ణ బాణాలను ఆపడానికి 50 బాణాలు అవసరం అయింది- ఇది కర్ణుడి నైపుణ్యాల గురించి చెబుతుంది. రథాన్ని స్థిరీకరించడానికి గుర్రాలకు 40 బాణాలు అవసరమయింది. అంటే కర్ణుడు గుర్రాలకు ఇచ్చిన శిక్షణ గొప్పతనం గురించి చెబుతుంది. గుర్రాలకు కూడా 40 బాణాలు అవసరమైనప్పుడు, కేవలం 6 బాణాలతో లొంగిపోయిన రథం శల్యుడు అర్జునుడికి అనుకూలంగా ఉన్నాడని చెబుతుంది. రథాన్ని తీసుకోవడానికి, మరియు విల్లు ను చేధించుటకు 3 బాణాలు అవసరమయినాయి అంటే అది కర్ణుడి నిస్సహాయతను చూపుతాయి. ప్రతిదీ అదుపులోకి వచ్చిన తర్వాత శత్రువును ఒకే బాణంతో చేధించి అర్జునుడు విజయం సాధించాడు. ఇందులో యుద్ధాన్ని గెలవడానికి అవసరమైన నియమాలు మరియు నైపుణ్యాల కార్యచరణ గురించి వివరించడం జరిగింది. మొదట శత్రువు యొక్క అగ్ని శక్తిని ఆపాలి; రెండవది తనకు ఆధారంగా ఉన్న గుర్రాలు, రథసారథి ను లొంగదీసుకోవాలి; మూడవది రథాన్ని నాశనం చేయాలి దీని ద్వారా అతని నిస్సహాయత గురించి అతనికి సంకేతం ఇచ్చినట్లు అవుతుంది. చివరకు శత్రువును కూడా జయించాలి. దీనిని ఆధ్యాత్మికంగా పరిశీలిస్తే.. అంతిమ మోక్షాన్ని పొందడానికి మొదట అతడు / ఆమె వ్యక్తిగత ఆసక్తులు మరియు కోరికలపై నియంత్రణ అవసరం, ఇది చాలా కష్టమైన పని కాబట్టి 50 బాణాలు పడుతుంది. తర్వాత గుర్రాలు సూచించిన పంచేంద్రియాలను మరియు ఇంద్రియ సుఖాలను నియంత్రించాలి. దీన్ని చేయడానికి అవసరమైన 40 బాణాలు పని యొక్క కష్టాన్ని సూచిస్తాయి. ఇది రథసారథి యొక్క స్వహా (మనస్సు, ఆలోచన, అహం) పై నియంత్రణకు దారితీస్తుంది. పైన పేర్కొన్నవన్నీ జరిగితే, అంతిమ విముక్తి (మోక్షం) సాధించడం చాలా సులభం. సనాతన ధర్మంలో మన పూర్వీకుల గొప్పతనం ఇది - కేవలం ఒక్క శ్లోకం లోనే చాలా జ్ఞానం ఉంది! ఇది అద్భుతమైనది కదా!

కాలమే సమాధానం

జీవితం అనే ప్రయాణంలో,
ఎన్నో అందమైన పరిచయాలు,
ప్రతి పరిచయం నేర్పుతుంది ఎన్నో పాఠాలు,
కొన్ని అవుతాయి గుణపాఠాలు,
ఎన్నెన్నో మధురానుభూతులు,
కావా అనంద జ్ఞాపకాల ఆనవాళ్ళు,
కాలంతో మారే మనుషులు,
సమయంతో మారే బంధాలు,
కాకుండదు నీ ఆత్మస్థైర్యానికి కారణాలు

Believe in you Self

K. Sowmya
MPCs - 1 year

స్నేహితులు

జీవితం.....
మనకు కనిపించేది మూడక్షరాల పదం
కానీ....
మన వందేళ్ళ అనుభవాలను దాస్తుంది
మ జీవితంలో ఎందర్నో కలుస్తాం... అందులో.....
కొంతమంది గుర్తుంటారు కొంతమంది గుర్తుండరు...
కానీ....
ఎప్పటికీ మర్చిపోకూడని వ్యక్తులు ముగ్గురు
తల్లిదండ్రులు, గురువులు, స్నేహితులు
ఎందుకంటే....
వీరే మనకు జీవత పాఠాలు, నేర్పిస్తారు
తల్లిదండ్రులు మనము జీవితంలో ఎవరితో ఎలా ఉండాలో నేర్పుతారు
గురువులు మన జీవితానికి అవసరమయ్యే విద్యాబుద్ధులు నేర్పుతారు
స్నేహితులు జీవితాన్నే నేర్పుతారు

Raghuvardhan
B.Com, IIInd year

బతుకుV. Saravani
BCom 1st Year**రైతు కష్టాలు**

K. Sowmya

ఎలా బతకాలో ఎరుకయ్యేలోపు చితికి
పోతుందేమో ఈ బతుకు.....
నచ్చినంత నవ్వితే.. పిచ్చి వాడంటారు
తనివి తీరా ఏడిస్తే.. పిచ్చి వాడంటారు
మర్యాదగా ప్రవర్తిస్తే... అమాయకుడంటారు
జ్ఞానం ప్రదర్శిస్తే.. గర్విష్టి అంటారు
తెలిసి తెలియనట్లుంటే, తెలివి లేదంటారు
కలుపుగోలుగా మాట్లాడితే...
వదురుబోతంటారు
ఒంటరిగా ఉంటే... ఎవరితో కలవని ఏకాకి అంటారు
మౌనం వహిస్తే... కొంపలు ముంచెబోడు అంటారు
కాదని వాదిస్తే... అతివాది అంటారు
ఏదేమైతే నాకేంటిలే అని ఊరుకుంటే...
స్వార్థపరుడు అంటారు
నా జీవితం నా ఇష్టం అంటే...
బరితెగించడమంటారు
ఒక్కటైతే నిజమనిపిస్తుంది.. లోకమంతా
మెచ్చినట్లు బతుకుడమంటే.. మనం
చచ్చినట్లు బతకడమే.....

రైతే రాజన్నారు
రైతే లేనిదే రాజ్యం లేదన్నారు
రైతే దేశానికి వెన్నెముక అన్నారు
రైతే ప్రపంచానికి వెన్నెలన్నారు
రైతే అన్నదాతన్నారు, అన్నమయ్యన్నారు
దేశ ప్రగతికి మూలం రైతనన్నారు
రైతే లేనిదే రాజ్యం లేదన్నారు
దేశానికి రైతే వెన్నెపూసన్నారు
రైతే రాజ్యం కోసం పోరాడుతాడన్నారు
రైతుకి కష్టం అంటే తెలీదన్నారు
జై కిసాన్ అన్నారు
కాని ఏమున్నది రైతుల రాజ్యంలో
ప్రస్తుత రైతు పరిస్థితి మరీ దారుణం
ప్రకృతి ప్రకోపానికి విల విల లాడుతూ
అధిక వడ్డీ రేట్లుతో సతమతమైపోతూ
కల్తీ పురుగు మందులు నకిలీ విత్తనాలతో,
పంట నష్టాన్నే పోందుతున్న
అన్నదాతకే ఆకలి మిగిలింది, ఆత్మహత్యే వారికి దారైంది

గమ్యం తెలియని జ్ఞాపకంV. Anjaneluyu
III rd Year

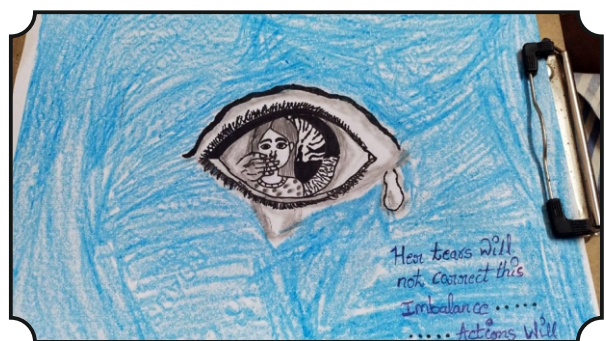
శరత్కాల గగనంలో చందమామ కనిపిస్తే
సరదాగా కొంచెంసేపు సంభాషణ సాగించా,
సాగే ప్రతి మాట మనుసుంచిన మా కన్యకోసం...
నువ్వు వస్తావన్నా నిరీక్షణ నా ప్రాణం కంటే గొప్పది.
చెప్పుకోడానికి అందం, పంచుకోవడానికి ఆనందం నువ్వు...
ప్రతి దినం, ప్రతి గంట, ప్రతి సెకండ్ నా మదిలో చిగురించే జ్ఞాపకాల చెలిమీ నీ రూపం..
నల్ల మబ్బు గల నడిరాత్రిలో నవ్విం చే ఓ కళ నీ నవ్వు...
చందమామకే అందం పంచె ఆడపిల్లని నువ్వు..
ఇది ప్రేమ అని తెలిసి తెలియకుండా దాచిన ఓ ప్రియుడి గోస...



తెలియని దారిలో....

Naresh
BA, IIIrd Year

మనసువిరిగి దేహంనలిగి
గమనంమరిచి మధనంపెరిగి,
పరుగుపెట్టేకాలాన్ని పలకరించే
దైర్యంలేక దీనంగా చూస్తున్నాను...
గమ్యం నన్నొదిలి దూరంగా జరుగుతుంటే,
పయనం తన చిరునామాను గల్లంతు గావిస్తుంటే,
సాయంచేసిన చేతులే గాయంచేయుటకు సిద్ధమవుతుంటే,
నన్ను నేను వెతుక్కుంటూ వెళుతున్నా తెలియని దారిలో...
కళ కేవలం అలగా నన్ను తాకి తిరిగి తన స్థానానికి వెళుతుంటే,
సాలు పొడవునా కన్నీళ్లు తెగని ధారల్లా ప్రవహిస్తుంటే,
నా రక్తమాంసాలను మురికిగుంట ముందు తర్పణచేసుకుంటూ,
నన్ను నేను వెతుక్కుంటూ వెళుతున్నా తెలియని దారిలో....
సమస్త సమస్యలకు పరిష్కారం ధనమొక్కటేనని తెలుసుకోలేక,
సరిపోయేంత సంపదను నా ఇనప్పెట్టిలో దాచుకోలేక,
ఉనికి ఉన్నా పనికిరాని పదాలను నమ్ముకొని,
నన్ను నేను వెతుక్కుంటూ వెళుతున్నా తెలియని దారిలో....



हिन्दी विभाग



कोरोना वायरस (Covid-19)

D. Tejashwini
BSc (MPC) III rd Year

विषय प्रवेश :- कोरोना वायरस संक्रमण ऐसी बीमारी है, जिसे वैश्विक संगठन द्वारा महामारी घोषित किया गया है। यह वायरस इंसान से इंसान में फैलने लगा।

कोरोना वायरस के लक्षण:-

- सर्दी, जुकाम, बुखार
- सिर दर्द
- गले दुखना है।

कोरोना वायरस का संबंध वायरस के ऐसे परिवार से है जिसके संक्रमण से जुकाम से लेकर खांस लेने में तकलीफ जैसी समस्या हो सकती हैं।

क्या है इससे बचाव के उपाय :-

ज़िन व्यक्तियों में कोल्ड और फ्लू के लक्षण हो, उनसे दूरी बनाकर रखें।

- अंडे और मांस के सेवन से बचे।
- जंगली जानवरों के संपर्क में आने से बचे।



संविधान दिवस

Tanveer Tabassum
BSc (MPC) IIInd Year

उस बिखरे भारत को अखंड बनाया है,
हमारे देश को एकता से सजाया है,
भीम राव जी ने भारत का संविधान बनाया है ।

यह सिर्फ शब्दों से जोड़ित किताब नहीं,
बल्कि उस दरित के अंधकार की आवाज है,
यह दुनिया का सबसे बड़ा संविधान है ।

यह चंद मिनटों में लिखी गई कहानी नहीं,
बल्कि आलाद हिंद के तीन सालों की गगबानी है,
यह लोकतंत्रित भारत की वाणी है ।

४४७ धाराएं, १२ अनुसरियों से निर्मित यह संविधान हैं,
जो इस देश को सही राह पर चलाने का आभार है,
किसकी आवाज शेर की दहाड से भी खुंखार है ।

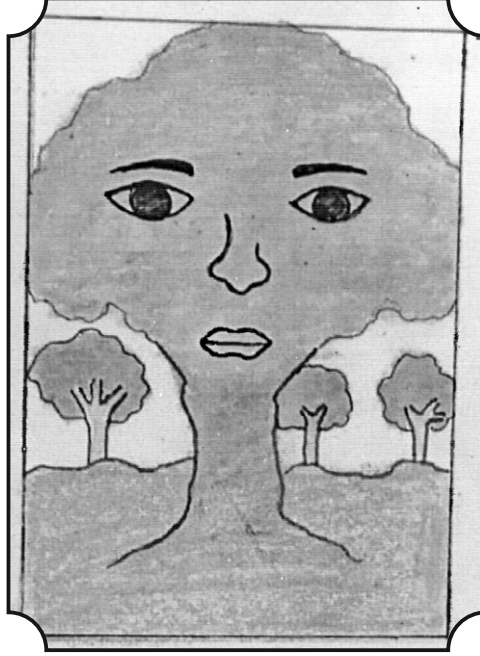
एकता में अनेक्ता का पाठ सभी को पढाया है,
समानता का अधिकार सबने पाया है,
इस दिन को भारत में संविधान दिवस के रूप में मनाया जाता है ।

संस्कृत - विभागः



वृक्षा इन्द्रियवृत्तयः (Trees are Sentient Beings)

S. Nikhil Bhargav
BBA 1st year



ETHEREAL NATURE IN TREES

घनानामपि वृक्षाणामाकाशोऽस्ति न संशयः ।
तेषां पुष्पफले व्यक्तिर्नित्यं समुपलभ्यते ॥

The trees always bear flowers and fruits, because they have the ethereal nature in them

TREES ARE TACTILE RECEPTORS

ऊष्मतो म्लानपर्णानां त्ववफलं पुष्पमेव च ।
म्लायते चैव शीतेन स्पर्शस्तेनात्र विद्यते ॥

Flowers and leaves fade when there is excessive heat, and they also fade when there is excessive cold. It shows that trees have the sense of touch.

AUDITORY SENSE IN TREES

वाटवन्नयशनिलिप्पैः फलपुष्पं विशीर्यते ।
श्रोत्रेण गृह्यते शब्दस्तस्माच्छृण्वन्ति पादपाः ॥

Flowers and fruits fall down due to the sound of wind, fire and lightening. It proves that trees have auditory sense.

VISUAL RECEPTIVITY IN TREES

वल्ली वेष्टयते वृक्षं सर्वतश्चैत गच्छति ।
नहयहृष्टेश्च गार्गोडस्ति तस्मात्पश्यन्ति पादणः ॥

The creeper goes around the tree in different directions. If the creeper is not able to see, then how can it climb up? It proves that the creeper has the sense of vision.

OLFACTORY SENSE IN TREED

पुण्यपापैस्तथा गन्धैर्धूपैश्च विविधैरपि ।
अरोगाः पुष्पितास्सन्ति तस्माज्जिघ्रन्ति पादपाः ॥

The plants are sensitive to smell-good or bad. They also respond to different types of smoke. These have an effect on the health of the plants. So, it is observed that plants have the sense of smell.

GUSTATORY SENSE IN TREES

पादैस्सलिलपानं च व्याधीनामपि दर्शनम् ।
व्याधिप्रतिक्रियात्वाच्च विद्यते रसनं दमे ॥

Water absorbed through the roots of the plants can cause diseases to the plants, if the water is bad ; it can give immunity, if it is good. This shows that plants have the sense of taste.

वक्त्रेणोत्पलनालेन यथोद्ध जलमाददेत ।
तथा पवनसयुक्तः पार्देः पिबति पादपः ॥

The lotus absorbs water, along with air through its stems upto the flowers it shows that plants drink water.

ग्रहणात्सुखदुःखस्य चिन्नस्य च विरोहणात् ।
जीवं पश्यामि वृक्षाणामचेतन्यं न वधिते ॥

The trees when cut grow again. A part from this, they suffer a lot to physical pain like other animals as well as human beings. There by, it is concluded that they have life.

महाभारते शान्तिपर्वान्तर्गत - मोक्षधर्मपर्वणि
भृगुभार्गवसंवादे । (अध्याय १७७, १०-१७)

कर्णवेधनम्

KARNA VEDHANA

For Protection and Ornamentation

G. Sai Lavanya
B.Com Ist Year

Karna Vedhana Samskara is advised to child by indusing a small amount of disease cousing agents into the circulation in turn stimulating immune mechanism. Thus the child will acquire a non specific immunity against various organisms. It is also amed at enabling the child to wear ornaments.

Age : This Samskara should be done during 6th, 7th or 8th Month of a child an auspicious day.

Procedure : First the right ear lobe of the child must be pricked with a needle holding it in the right hand, and holding the ear-lobe with the other hand. The prick must be exactly in Daivakritachidra i.e., the most transparent spot of the ear-lobe, identified by exposing it to sun-shine.

उद्देश्यम् - रक्षणं, भूषणं च ।

काल:-

ष्टसक्षाष्टमनाक्षेषु नीसाजस्य शुबेरहनि ।

कर्णो हिमाशमे विहथेध्दाभ्यस्यं आन्यययन ॥

विधि:-

प्रादक्षिणं कुमारस्य भिषस्वामं ट धोषितः ।

दक्षिणेन ठधत्क्षुचीं पालिमन्धैन पाणिना ॥

मध्यतः वार्णपीठस्य विक्षिठपडाक्षयं प्रति ।

जराधुमात्रप्रच्छन्नि रविररगरबभाक्षते ॥

धृतस्थ विश्वलं सम्यगलताकरसाहिते ।

विधक्षेद दैवकृते छिदे क्षकदेवर्जुलाध्यवान्द ॥



- अष्टांग हृदयम् कुमारभरणा प्रकरणम् ।

संस्कृतं संगणकं च

Sanskrit and Computers

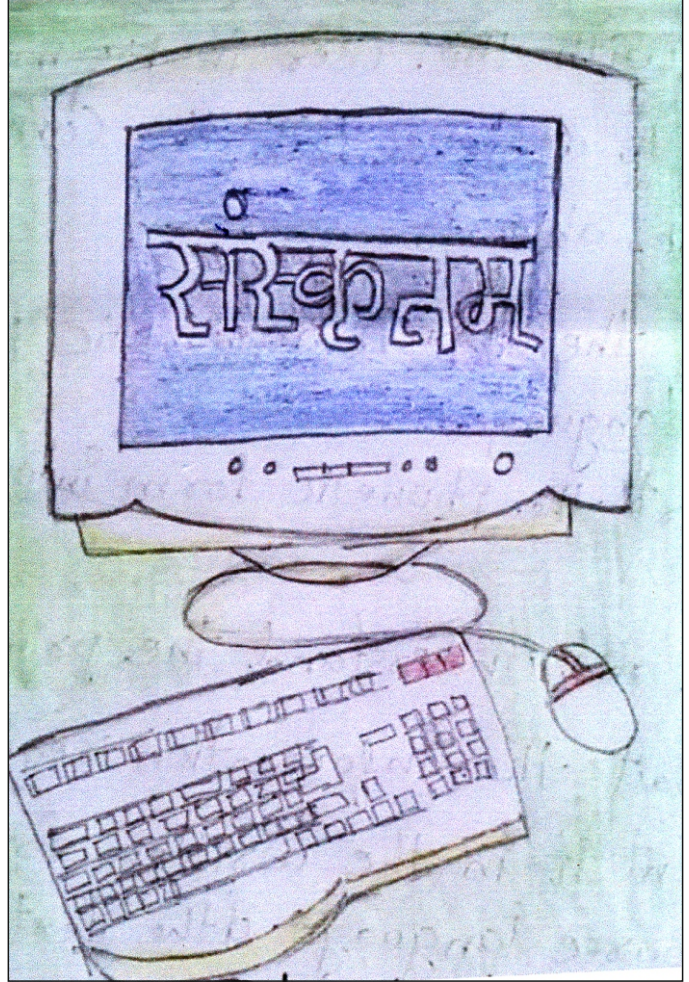
G. Ganesh Nayak
BA, 1st yr

Introduction : - (Use of Sanskrit in the area of Artificial Intelligence)

In this introduction, focus is made on how Sanskrit is useful in the area of Artificial Intelligence. The Natural language Processing is also a part and parcel of Artificial Intelligence.

The goal of Natural Language processing is to enable the machine to interact with the user in his mother tongue. To achieve this the computer should be able to

- (i) accept the input in phonetic form in user's language.
- (ii) convert the phonetic form into written form.
- (iii) read and understand the printed texts
- (iv) extract the information required
- (v) present it in the written form in the source language of the text form which the information is extracted.



- (vi) translate it into the target language which is the mother tongue of the user and
- (vii) present it in the written form and in phonetic form and also if required in the target language.

This task can be divided into four major tasks as (I) recognition of speech, (ii) recognition of written for both printed and manuscript (optical character recognition), (iii) machine translation and (iv) speech synthesis.

Efforts are going on in foreign countries and some toy. Packages have been made available in the market for English. But India is far behind in this area.



TEACHING STAFF



NON-TEACHING STAFF