

## ICT FACILITIES

The Institution is well equipped with adequate ICT facilities being optimally used.

### Objectives

- To render an effective teaching using ICT
- To help the learners become competent and confident users of ICT who can make efficient, effective and creative use of basic application software in their everyday activities
- To encourage the learners to become critical and reflective users of ICT
- To prepare the learners for the society of tomorrow by making them adaptable users of ICT who have the necessary openness and flexibility of mind to be able to adjust to future changes in the technology
- The college has 3 computer labs for carrying out lab practicals, Skill training programs (Technical skills under TSKC), conducting campus drives, enable Spoken tutorial programs, DTP (Telugu, Urdu & English)etc.
- The college is Wi-Fi enabled and also connected with Local Area Network having access to internet from anywhere in the campus.
- Wi-Fi facility enables students to use official apps like DEET-Digital Employment Exchange Telangana, efficiently on campus.
- For an effective teaching and best dissemination of knowledge the college has 8 smart board class rooms integrated with technology.
- The college is also equipped with a Virtual Classroom learning equipment with capturing system, which connects all the government degree colleges across Telangana.
- The college is equipped with two audio visual halls equipped with LCD projectors.
- The seminar hall is equipped with MANA TV unit and to enrich the knowledge of students, live educational programs are telecast through T-SAT NIPUNA MANA TV.
- The college is enabled with a virtual classroom which enables teachers to record the lectures, present live lectures to other institutes/colleges and also students to attend MOOCs classes.

### E-resources

1. E-Library from N List (50000 books)
2. e-journals: 6000+ journals through NLIST which gives access to e-books and other e-resources.
3. New Gen lib software is installed and available in the central library.
4. Various softwares for carrying out lab experiments such as C, C++, Java, Microsoft office 2007, 2010, 2013, Tally-ERP (New Version), Oracle 10i, Adobe Photoshop, Libre Office Writer (IIT Bombay)
5. Videos and presentations developed by faculty- MANA TV presentations and also 'student as teacher' programs-preparations of lessons mentored by faculty

### Techniques

1. Presentations using LCD
2. Presentations using Smart board
3. Virtual Classroom classes
4. App based teaching learning using applications like OCTOPOD

### ICT Tools and Resources:

- Extensive use of Audio-visual aids
- Preparation of presentations on syllabus/program topics using Power point
- Video lectures developed by faculty for benefit of students
- Screening YouTube videos to explore and learn things in an effective way
- Virtual classroom teaching
- Information is shared through dynamic college website
- NPTEL video lectures are used for exploring various domains of knowledge

- Educational websites like w3schools are used for demonstration of lab experiments
- Various softwares such as CBT for English, Tally for accounts, camtasia and VSDC video editors, Tora for statistics for developing video lectures, Dev C++, Java, Microsoft office 2007, TC, Oracle, Adobe Photoshop are available
- Online Live demonstrations such as Stock Market trading
- Subscribed E-resources such as N List is available for e-books, e-journals and databases.

## General Links

### Website of CA & IMS

<http://caims.ccets.telangana.gov.in>

<http://gdcts.cgg.gov.in>

<http://ccets.cgg.gov.in>

Digital Office Learning

<https://youtu.be/tEzUNoxTNbw>

Best practices in government colleges

<https://www.bing.com/videos/search?q=best+practices+in+government+colleges%2c+T-SAT+NIPUNA&&view=detail&mid=F9F228B3D3AED735C6E1F9F228B3D3AED735C6E1&&FORM=VRD GAR&ru=%2Fvideos%2Fsearch%3Fq%3Dbest%2520practices%2520in%2520government%2520colleges%252C%2520T-SAT%2520NIPUNA%26qs%3Dn%26form%3DQBVDMMH%26sp%3D-1%26pq%3Dbest%2520practices%2520in%2520government%2520colleges%252C%2520t-sat%2520nipuna%26sc%3D0-51%26sk%3D%26cvid%3D94FEE95ABE3A47FEB3D1E46804DFDF04>

## HISTORY

<https://youtu.be/spmbwsh3e58>

(the complete history of the second world war)

<https://youtu.be/omr940REGFE>

(Chinese revolution& civil war)

<https://youtu.be/wwankqfb2u>

(watch "world history set#01)

<https://youtu.be/120uvcpbue>

(watch "Indus history success)

<https://youtu.be/fil1oyvbzlay>

(watch "world war one [all parts])

<https://youtu.be/slj5r2nzhb8>

(watch "world war-1 summary.)

<https://youtu.be/17h03jibeb21>

(watch "America revolution)

<https://youtu.be/tlstefp68pk>

(watch "French revolution-know)

<https://youtu.be/csvmywjvtnk>

(watch "MED-25:shivaji chisrelation)

<https://youtu.be/xokso3-bwo>

(watch "Mughal dynasty rule in brief)

<https://youtu.be/tkld50td6oq>

(watch "biography of Chandragupta)

<https://youtu.be/ove5mtij9je>

(watch "mauryan empire-ancient)

<https://YOUTUBE/ZWYYVMSCECQ>

(watch "Indus valley civilization part2)

<https://youtu.be/mu18stgpot8>

(watch "Indus valley civilization)

<https://youtu.be/juc3msglmoc>

(watch "Indus valley civilization on)

## DEPT OF PUBLIC ADMINISTRATION

- <https://youtube/oqafgfxmbsk>
- <https://youtube/kzevaz3cw>
- <http://www.youtube.com>.  
(watch playlist?list=p1-ya017jn6xy)
- <https://youtube/p0zhjqdars>
- <https://youtube/03o16xdwyhs>
- Shanthaveni tsat cce mana tv mauryan administration
- <https://youtube/pu1jxz9yrno>

Department of Commerce  
Income tax

<https://youtu.be/usAoeT5show8>  
<https://youtu.be/riF8GchKQq4>  
[https://youtu.be/t\\_YBkx7zRa8](https://youtu.be/t_YBkx7zRa8)  
[https://youtu.be/PKLHJm\\_380s](https://youtu.be/PKLHJm_380s)

Computerized accounting

<https://youtu.be/g-tlZE5pNJw>  
<https://youtu.be/z76cf85n1NY>  
<https://youtu.be/zGzE4rRGCN4>  
<https://youtu.be/76UUB7Vv8s8>  
<https://youtu.be/6WZ-xU5yHqk>  
<https://youtu.be/89upaxHAMzo>  
[https://youtu.be/EK4\\_DjTdKBI](https://youtu.be/EK4_DjTdKBI)  
<https://youtu.be/XhhHHGHWc8Y>  
[https://youtu.be/uwSj\\_Z92gYk](https://youtu.be/uwSj_Z92gYk)  
<https://youtu.be/EMVs0ILOEfU>  
[https://youtu.be/ZZj\\_Q3qdxC4](https://youtu.be/ZZj_Q3qdxC4)  
<https://youtu.be/EMVs0ILOEfU>  
<https://youtu.be/wRRM0EWGBYU>  
<https://youtu.be/qCzEZVioNv8>  
<https://youtu.be/NOQmvKPCzuA>  
<https://youtu.be/VxrxwxiNVc4>  
<https://youtu.be/FXcOtLeKDm0>  
[https://youtu.be/0YLHjA\\_OePA](https://youtu.be/0YLHjA_OePA)  
<https://youtu.be/H1ds0xasIoM>  
<https://youtu.be/UtIik4R1jAE>  
<https://youtu.be/FlisUOIwOnw>  
<https://youtu.be/LYcgAUKTmYc>  
<https://youtu.be/6nDxM0bkbjY>  
<https://youtu.be/Z8kViHZqO8s>  
<https://youtu.be/w1ZSfVtZpok>  
<https://youtu.be/R5qby7F6B6c>  
<https://youtu.be/FcuD-QzdkOg>  
<https://youtu.be/7mgsjyW7NDQ>  
<https://youtu.be/JCKGEJlhLY>  
<https://youtu.be/eVseCxMBkYc>  
<https://youtu.be/Tsm9Ipi9xMk>

Department of Computer Science and Applications  
W3schools

<https://www.w3schools.com/>

DBMS Concepts :

<https://www.youtube.com/playlist?list=PLrjkTql3jnm-CLxHftqLgkrZbM8fUt0vn>

Java script introduction :

<https://youtu.be/l2q0x70YDPk>

Variables and scope of variables :

<https://youtu.be/DwWtu7VLTwg>

Data types in java script :

<https://youtu.be/A9mBEARgxBO>

Javascript functions(built in and user defined) :

<https://youtu.be/LBKNGrPNZSE>

Javascript Arrays :

<https://youtu.be/XMY5j-ZE238>

Javascript Objects :

<https://youtu.be/1YEJS1mMMhA>

Javascript Event handling :

<https://youtu.be/2vKBqzl6zAU>

XML introduction :

<https://youtu.be/pCmPduLzD0k>

XML Declaration and Documentation :

<https://youtu.be/iLC12EinND0>

OSI model :

<https://youtu.be/Y4sqlvv7egA>

Twisted pair :

[https://youtu.be/0q1\\_aimgzlk](https://youtu.be/0q1_aimgzlk)

Coaxial cable :

<https://youtu.be/iqqJEKNPVhc>

Fibre optic cable :

<https://youtu.be/vUkYdGLKe5w>

Department of English

<https://youtu.be/oKnjyQC9Mm4>

<https://youtu.be/8Faah5u9zZ4>

<https://youtu.be/qsmu0YvYifc>

<https://youtu.be/Wij13Zg32FM>

<https://youtu.be/DGMXYLH4kO4>

Department of Microbiology

<https://www.youtube.com/watch?v=heajdtIs7lo>

(CCE || Microbiology - Labeled Antibody Based Techniques - Dr T Raga Sudha)

<https://www.youtu.be/d6qFPegEYV0>

<https://www.youtu.be/O9yRDmUxlp8>

<https://www.youtube.com/watch?v=dG59xy9U9-g&feature=youtu.be>

biodiversity part 1 - YouTube

[https://youtu.be/1\\_6wQ1VEZnk](https://youtu.be/1_6wQ1VEZnk)

<https://youtu.be/hMK-Gwq6M>

mushroom cultivation: <https://www.youtube.com/watch?v=oormRweSf3E>

food adulteration: <https://www.youtube.com/watch?v=D8poSQ5b8QI> (CEC-educast)

**Google Classroom:** [srideviipgdcw@gmail.com](mailto:srideviipgdcw@gmail.com)

**(CLASS CODES: I year: awqedo5, II year: 8xza5s, III year: 110brhd)**

**Departmental Blog:** <https://microbioipgdc.blogspot.com>

Department of Biotechnology

Basics of Biotechnology - YouTube

<https://www.youtube.com/watch?v=URUJD5NEXC8>

<https://www.youtube.com/watch?v=35--8dAcZGw>

Department of Chemistry

<http://www.authorstream.com/tag/colligative+properties>

<https://www.slideshare.net/>

<https://www.youtube.com/watch?v=g-tE6MN-wrE>

[https://www.youtube.com/watch?v=DAd\\_IrXiYCU](https://www.youtube.com/watch?v=DAd_IrXiYCU)

<https://www.youtube.com/user/virtualschooluk>  
<https://www.youtubuser/ExamFearVideose.com/>  
<https://www.youtube.com/ucanvasclassesser/>  
<https://www.youtube.com/channel/UCf2amqyHA1f6C4audDudWPQ>  
<https://www.youtube.com/channel/UCvx0UyeZY7GSCdOd6Aup8-g>  
[https://www.youtube.com/results?search\\_query=vidya+mitra+organic+chemistry](https://www.youtube.com/results?search_query=vidya+mitra+organic+chemistry)  
[https://www.youtube.com/results?search\\_query=udaan+chemistry](https://www.youtube.com/results?search_query=udaan+chemistry)

#### Department of Physics

[Quantum physics | New Scientist](#)  
[Physics - Basic Introduction - YouTube](#)  
[What is nanotechnology? - YouTube](#)  
[Nanotechnology Explained in Telugu | What is Nano Technology in Telugu | Telugu Badi - YouTube](#)  
[NANO PARTICLES in Telugu || INTRODUCTION || PROPERTIES - YouTube](#)

#### Department of Mathematics

[Coordinate Geometry Basic Concepts - YouTube](#)  
[OSMANIA UIVERSITY || BSc Mathematics || Degree 1st Year sem-1 || Partial differentiation || Eulers Theorem - YouTube](#)

#### Department of Botany

[BOTANY || The Living World - 1 || B.Nagesh - YouTube](#)  
[BOTANY || Biological classification - P1 || B.Nagesh - YouTube](#)  
[Genetic Engineering Will Change Everything Forever – CRISPR - YouTube](#)  
[Genetic engineering in plants - YouTube](#)  
[Ti plasmid and T DNA - YouTube](#)  
[Mod-01 Lec-01 Animal Physiology - YouTube](#)

#### Department of Zoology

[Bio Bytes: Genetically Engineered Animals - YouTube](#)  
[Immunology | Adaptive Immunity - YouTube](#)  
[Immunology | Inflammation: Complement Proteins: Part 3 - YouTube](#)  
[Mod-01 Lec-01 Animal Physiology - YouTube](#)  
[Animal Physiology \(Respiratory System\) - YouTube](#)

#### Department of Languages

<https://youtu.be/oKnjyQC9Mm4>  
<https://youtu.be/8Faah5u9zZ4>  
<https://youtu.be/qsmu0YvYifc>  
<https://youtu.be/Wijl3Zg32FM>  
<https://youtu.be/DGMXYLH4k04>  
<https://youtu.be/krCpAE1puAU>

S.No.	Name of the department	No. of E-Content programmes developed
1.	English	PPT's - 30, Video Lessons-10
2.	Communicative English	PPT's
3.	Modern Language English	PPT's
4.	Telugu	PPT's
5.	Urdu	PPT's, Video Lessons, YouTube CHannel
6.	Hindi	YouTube Video Lessons-09
7.	Arabic	PPT's
8.	Economics	PPT's , Video Lessons-10
9.	History	PPT's
10.	Public Administration	YouTube Video Lessons
11.	Political Science	YouTube Video Lessons
12.	Mass Communication & Journalism	PPT's
13.	Sociology	YouTube Video Lessons
14.	Psychology	Fully Video Lessons
15.	Mathematics	PPT's
16.	Physics	PPT's
17.	Statistics	PPT's
18.	Chemistry	PPT's , Video Lessons
19.	Botany	PPT's
20.	Zoology	PPT's
21.	Microbiology	PPT's , Video Lessons, YouTube Channel
22.	Biotechnology	PPT's - 20
23.	Computer Science & Applications	PPT's – 20, YouTube Channel
24.	Commerce	Dept YouTube Channel individual faculty YouTube channels PPTs Video Lessons-230, PDFs Whatsapp group, Telegram Channel, Google Classroom, Whatsapp Newspaper Group PPTs
25.	Business Management	PPT's - 08, PDF's -15