

GOVERNMENT PG COLLEGE FOR WOMEN, ROHTAK

SUPPORTING DOCUMENT FOR 2.3.2

USE OF ICT FOR EFFECTIVE TEACHING AND LEARNING

(2023-2024)

AVAILABLE ICT FACILITIES IN GPGCW COLLEGE, ROHTAK

Number of Teachers using ICT	ICT Resources available	Number of Projectors in College	Number of Smart Classrooms	E-resources Techniques
197 (PPT, E-learning resources, Sharing and delivering E-contents, Web references, others (audio/visual, documents etc.)	Wi-Fi Enabled Campus; ICT Enabled Smart Classrooms having projectors, interactive boards; Automated College library having accessibility to e-resources vide SOUL software.	Total: 14 (Fourteen)	10 (Ten)	Wi-Fi Enabled Campus; ICT Enabled Classrooms having projectors, interactive boards; College library having accessibility to e-resources vide SOUL

GOOGLE FORM ANALYSIS OF INDIVIDUAL TEACHERS USING VARIOUS METHODS FOR THE STUDENT LEARNING EXPERIENCE

Video lecture Link/Links to students:

Hindi Department

<https://youtu.be/MAwIusWBygk>

<https://youtu.be/Orl1r5kxJsA>

https://youtu.be/RbH_ZZSpV_s

https://youtu.be/5S0A_muEM6I

<https://youtu.be/q4XitgIKMIQ>

<https://youtu.be/JLsftwIWoiI>

<https://youtu.be/t2Qu063-swQ>

<https://youtu.be/eejuB15K-QM>

<https://youtu.be/3v7HhdUHTnI>

<https://youtu.be/6sGiwHP9wU0>

<https://youtu.be/ABwYASJc3Ac>

<https://youtu.be/S8BoGD6XrRQ>

<https://youtu.be/226m5SG3P5k>

<https://youtu.be/2KiXNI-SbTM>

<https://youtu.be/JJ3rRlxcin4>

<https://youtu.be/8Xin2rKeOYM>

<https://youtu.be/SN2pdMX6od0>

<https://youtu.be/M41HIK8AmGI>

<https://youtu.be/P9cb3-FVqQo>

<https://youtu.be/537dGrLTv9M>

<https://youtu.be/ACgYpY17QRA>

<https://youtu.be/jM0gpxHAtCc>

<https://youtu.be/CRyM58XEeXM>

<https://youtu.be/PrdHVtTtKIs>

<https://youtu.be/THgCUt69HzQ>

<https://youtu.be/GFJA-yS3IYY>

<https://youtu.be/xBL1UpcxdsU>

<https://youtu.be/boXVWH4zEYQ>

<https://youtu.be/zWOAt-PwPHg>

<https://youtu.be/HzBj3FkcTJc>

<https://youtu.be/Ax6AmUVnnpM>

<https://youtu.be/D74TV8adyTw>

<https://youtu.be/CbdH9DuK89k>

<https://youtu.be/e2SF2H8Zu84>

<https://youtu.be/MVWjXenu0-c>

https://youtu.be/_rQO92E5LHI

<https://youtu.be/-U6aMyVS4tI>

<https://youtu.be/tLxvQb3gW08>

<https://youtu.be/IEWKVsQ1dHw>

<https://youtu.be/hWcsbCkHjUs>

<https://youtu.be/0FKflr7n3aU>

<https://youtu.be/TJUm1H-adHY>

<https://youtu.be/0RW3PYcKcSg>

<https://youtu.be/H99wDbDzxKo>

<https://youtu.be/Kb5ULgGOmuA>

<https://youtu.be/4ePPS8vjQII>

Chemistry Department

Faculty	Video lecture Link
Dr. Anita (HOD)	https://youtu.be/qv-y_rssGsM?si=WzplXfn12vRMdq https://youtu.be/G_U1NwDLkNc?si=Gayg9L-slzew8C6W
Manu Kumari	https://youtu.be/x198Ppv40K4
Pooja Rani	https://youtube.com/@poojapanwar8096? https://youtu.be/aV93w7dkEMo?si=UqWvjG5klgZR-AGT
Dr. Suman	https://youtu.be/KjZ18HefNjk?si=5hCdjQJz8bMLhmuc https://youtu.be/KjZ18HefNjk?si=5hCdjQJz8bMLhmuc

Zoology

Faculty	Video lecture Link
Babli	https://drive.google.com/file/d/1TslxDwWLBPR9wWZvH0smhyG8BvhFc_nC_/view?usp=drivesdk
Radha Rathee	https://youtube.com/@Radharathee
Mamta	https://youtu.be/fz_Q8MDHoyU https://www.youtube.com/watch?v=himCwuGx4Sk https://drive.google.com/file/d/1ZsCM9w63R https://drive.google.com/file/d/1HNOpfuviBwE2XgD6z8EE0KnOfbVUvHjv

Maths

Faculty	Video lecture Link
Babita	https://youtu.be/2IuXXyjQUqI https://youtu.be/d2a0pX-C5To
Sarita	https://youtu.be/rQVag5NIGiI https://youtu.be/CVwtmrggx2Q
Neeraj	https://youtu.be/AjJjY6CbixE https://youtu.be/1VdHtgBaLtk
Savita Deswal	https://youtu.be/PQhYmZR7gfA?si=x26-HgSTgR6jQ3qR https://youtu.be/H8wl1BI2trk?si=Jh6GhxCPkiVgib6k
Kusum	https://youtu.be/2b-3xs3zUsI https://youtu.be/BEIRqinU6eU
Ridam	https://youtube.com/playlist?list=PLegipFfYs5XKoAhEPPhziPFjVf811xFTO&si=-oOXdLCerBc4zSy
Shalini Nagpal	https://youtube.com/playlist?list=PLegipFfYs5XKoAhEPPhziPFjVf811xFTO&si=-oOXdLCerBc4zSy https://youtu.be/rJ_vEs4TE-I?si=IKNEjuDZdo4lOPXR
Dr. Parvesh Kumari	https://youtube.com/playlist?list=PLegipFfYs5XKoAhEPPhziPFjVf811xFTO&si=-oOXdLCerBc4zSy

Computer Science

Faculty	Video lecture Link
Rohini Sharma	https://www.youtube.com/watch?v=4jmsHaJ7xEA https://www.youtube.com/watch?v=eIrMbAQSU34&t=7s
Monica Rathee	https://youtu.be/QBc_TfRjBx4?si=0Lu6YTPJ0kt6glbC https://youtu.be/fq7VEWk_RtM?si=T4plXl-j0RVg47G2
Navita Mehra	https://www.youtube.com/watch?v=RozoeWzT7IM&list=PLdo5W4Nhy31a5ucW_S1K3-x6ztBRD-PNa
Dr. Jyoti	https://youtu.be/WLW5VyTTnyA?si=WAdrM03H

Geography Department

Faculty	Video lecture Link
Priyanka Dalal	https://www.youtube.com/watch?v=4jmsHaJ7xEA https://www.youtube.com/watch?v=eIrMbaQSU34&t=7s
Dr. Satish Kumar	https://www.youtube.com/channel/UCN3-BVMnr44LIUheSuppw1A https://www.youtube.com/channel/UCzLqOSZPtUKrmSEnH4LAv
Dr Parveen Khatri	https://www.slideshare.net/ChinchuC1/structured-observation-as-http://uregina.ca/~sauchyn/geog423/science.html

Commerce Department

Faculty	Video lecture Link
Preeti Bansal	https://youtu.be/v6bEzNEarzc
Dr. Pushp Deep Dagar	https://www.youtube.com/live/A7MFu9lp1hs?si=3zhIE3obLRK85VqC https://youtu.be/7lZxf0UGYYk?si=T2BinAyZNXDrPiG
Harsh Manchanda	https://youtu.be/Da35A-BBBB0?si=kvaizaDwlA27ZD-s
Sachin Sapra	https://youtu.be/yy6Qo9WR8tk?si=5F5RciOYeyNRQ3NY https://youtu.be/0YtiRN1xgvY?si=PKR--zI0DYruuFhK https://youtu.be/gv7bBCIb7M4?si=vIyz7thdYHez0ntP https://youtu.be/i1aIw9WzeYE?si=EDg-_GihY18e-3Ih https://youtu.be/RVkmR3zWJU0?si=kUL7HjMeQZTIBzLM https://youtu.be/OWe3-G9mIFY?si=Kv8uB6PP6cm4IF_u
Dr. Parmod Kumar	https://www.youtube.com/watch?v=T5BY_teXNGM https://www.youtube.com/watch?v=Sq7ssTBMwYU https://www.youtube.com/watch?v=b1QkDNmGMtA

Physics

Faculty	Video lecture Link
Neeraj Kadian	https://youtu.be/R4m9j1P1OgI?si=hksSUUQwZdhG5h7t https://youtu.be/g_OtsRBhWAM?si=cL4VSIaaL4Ub7D6t
Manju Vashistha	https://youtu.be/0qdaPIn8jC4?si=gW8XIIRUxzpGqxJE https://youtu.be/qojyBO096zk?si=bFOtjNB4n7p4yg0A
Vikas Sharma	https://youtu.be/6mAzLpUDvKo?si=y14vU3c0PdDsnrNY

Home Science Department

Faculty	Video lecture Link
Ms. Ritu Hooda	https://youtu.be/iiNCXsbJk1o https://youtu.be/rW1DYgDnZ3Q https://youtu.be/oyYaAO8HCUK https://youtu.be/HA4iOOImhdE https://youtu.be/NhSDeheh7Ws https://youtu.be/-CsdK_gPeiI https://youtu.be/q6FPN4kgXUE https://youtu.be/N5IoXdleZEc https://youtu.be/tdu0OupTytg https://youtu.be/vGAV6hTx3do https://youtu.be/3GRy84ncSPI https://youtu.be/yoUnf1QIBVo https://youtu.be/Y0EIq0QyUw0 https://youtu.be/yYgjIvOr_Rk https://youtu.be/NEmDdAqw6lc https://youtu.be/fBVZJrnUBNU https://youtu.be/Jblht3v-fKg

Botany

Faculty	Video lecture Link
Mousam	https://youtu.be/4EQpyGvkuLQ?si=2Mva4-qBANZiCOUa https://youtu.be/nscw9Z9Iu9g?si=82V1ZmGtmdt--Jn5
Dr. Savita Kadian	https://youtu.be/COXOk8Wwf0o?si=PYYIM5tHMxYL559M https://youtu.be/QVKGcOgqO2k?si=eeeohW4u8HSfBMn9

11. English

Faculty	Video lecture Link
Sushma	https://youtu.be/6e413V-VzcQ

WHATSAPP GROUPS TO SHARE NOTES AND OTHER VALUABLE INFORMATION WITH STUDENTS

Botany Department

(HOD): Mrs. Veena Sachdeva

<https://chat.whatsapp.com/IUX3Cmq5oN54ATIn2OEFI3>

Hindi Department

Faculty	WhatsApp Link
Dr. Rajesh Kumar	https://chat.whatsapp.com/DQPeano8SAHCiPjifozkbQ
	https://chat.whatsapp.com/Dlu1zVux16AJ5iUtCIEHom
	https://chat.whatsapp.com/FEqkCX14vF31wccr5DPu1v

Home Science Department

Faculty	WhatsApp Link
(HOD) Ritu Hooda	https://chat.whatsapp.com/GhssNkCGpnU5877vsmNZvL
	https://chat.whatsapp.com/GfXXbVqXp1U92a3aSySqSV

Chemistry Department

Faculty	WhatsApp Link
(HOD) Dr. Anita	https://chat.whatsapp.com/Glok60OOYMaACRU3tgHCq
	https://chat.whatsapp.com/GRk38gkHoPHBQETptYk5h
Dr. Sonika	https://chat.whatsapp.com/HHFstPio64lDKIiTIUY6Qx
	https://chat.whatsapp.com/EvJk4nPRO5F23kt0FhljIC https://chat.whatsapp.com/C1mhWp3zXecBPVkiq2E9T
Manu	https://chat.whatsapp.com/Ge8fyuxbxxwLaZ9Bzmfv3u

Kumari	https://chat.whatsapp.com/J9ZM9U8eI0d1TVCLcLvlnj
Pooja Rani	https://chat.whatsapp.com/HHFstPio64lDKIiTIUY6Qx
Dr. Suman	https://chat.whatsapp.com/HHFstPio64lDKIiTIUY6Qx

Geography Department

Faculty	WhatsApp Link
Priyanka Dalal	https://chat.whatsapp.com/L9vfMSdvpj4A4VM9cvUDkz
Dr. Satish Kumar	https://chat.whatsapp.com/KKBEbNbqw84Lne99hWbv2H https://chat.whatsapp.com/EdKWUshfJfyEKbR9NUNy1Z
Dr Parveen Khatri	https://chat.whatsapp.com/KBFrpS7THY91DALTvUkh4a

Zoology Department

Faculty	WhatsApp Link
Dr..Radha Rathee	https://chat.whatsapp.com/FsU0C3SZnb503UD4rp39wf
Dr. Mamta	https://chat.whatsapp.com/FsU0C3SZnb503UD4rp39wf
Mrs. Manju Chhikara	https://chat.whatsapp.com/HWe2SfodaYYHcno1fkOSmt

Maths

Faculty	WhatsApp Link
Babita	https://chat.whatsapp.com/BQXNjbne6lPG5eU9sX4YH3 https://chat.whatsapp.com/DLUuvy5pHtiJWrx2UcraLk https://chat.whatsapp.com/DUwF6XC8x9wJQJb4LyjxhL https://chat.whatsapp.com/GtHeNrREvkN4a4ZF7MgwpN
Sarita	https://chat.whatsapp.com/IYnuBBwCq6MGUbOw7DJAYp https://chat.whatsapp.com/GtHeNrREvkN4a4ZF7MgwpN
Neeraj	https://chat.whatsapp.com/HxD6M3ubGwA6HJN16WENN3

Savita Deswal	https://chat.whatsapp.com/GkxfEheXQAQLZf1aSS9K3q
Kusum	https://chat.whatsapp.com/G2xzVIiOdiv1niW4XulWag https://chat.whatsapp.com/GaHnw1cY1QN8mSkOAEC7Iz https://chat.whatsapp.com/GtHeNrREvkN4a4ZF7MgwpN
Ridam	https://chat.whatsapp.com/IYnuBBwCq6MGUbOw7DJAYp
Shalini Nagpal	https://chat.whatsapp.com/GkxfEheXQAQLZf1aSS9K3q
Dr. Parvesh Kumari	https://chat.whatsapp.com/HxD6M3ubGwA6HJN16WENN3

Computer Science

Faculty	WhatsApp Link
Dr. Nisha Malik	https://chat.whatsapp.com/JAipNoJL0yDKQ6ETdqHmUd https://chat.whatsapp.com/BFA36NfpquN4w87XWPmtuD https://chat.whatsapp.com/D5nVd8e9RYZHDMmxExouQA
Rohini Sharma	https://chat.whatsapp.com/GShz5d34ICb6mkXxvdTNRk https://chat.whatsapp.com/Gt9hUHcuo0yIjj54M4YR3Q https://chat.whatsapp.com/D5nVd8e9RYZHDMmxExouQA https://chat.whatsapp.com/Dy7Z7Ai7EHC0whE252VhRi
Monica Rathee	https://chat.whatsapp.com/HAr8kZo4VwW4bpxIheF8mh https://chat.whatsapp.com/D5nVd8e9RYZHDMmxExouQA https://chat.whatsapp.com/Dy7Z7Ai7EHC0whE252VhRi
Meenakshi Dalal	https://chat.whatsapp.com/IbrSH2pvtGeJa905uswbvW https://chat.whatsapp.com/F0BIqV8bi6h9WbOASQCWdc https://chat.whatsapp.com/JaJ9WIwQPti8PT7Yykr3Zr https://chat.whatsapp.com/IDKNGzFr0ASH38yO3is0yF
Navita Mehra	https://chat.whatsapp.com/IJW1TQav8GqLts9L6C4e4E https://chat.whatsapp.com/H4vwcqpfWUUA0ewnyADCi3
Jyoti	https://chat.whatsapp.com/JaJ9WIwQPti8PT7Yykr3Zr https://chat.whatsapp.com/Cqov11pPW16HCDYfRhez6y
Monika Ahlawat	https://chat.whatsapp.com/JaJ9WIwQPti8PT7Yykr3Zr
Pooja	https://chat.whatsapp.com/JaJ9WIwQPti8PT7Yykr3Zr
Shalu	https://chat.whatsapp.com/JaJ9WIwQPti8PT7Yykr3Zr

Sonia	https://chat.whatsapp.com/JaJ9WIwQPti8PT7Yykr3Zr
Vaishali	https://chat.whatsapp.com/JaJ9WIwQPti8PT7Yykr3Zr
Subita	https://chat.whatsapp.com/D5nVd8e9RYZHDMmxExouQA https://chat.whatsapp.com/Dy7Z7Ai7EHC0whE252VhRi
Suman Ahlawat	https://chat.whatsapp.com/D5nVd8e9RYZHDMmxExouQA https://chat.whatsapp.com/Dy7Z7Ai7EHC0whE252VhRi
Chain Singh	https://chat.whatsapp.com/D5nVd8e9RYZHDMmxExouQA
Neha	https://chat.whatsapp.com/Dy7Z7Ai7EHC0whE252VhRi
Tarika	https://chat.whatsapp.com/Dy7Z7Ai7EHC0whE252VhRi https://chat.whatsapp.com/BEQAaR7bKX5DK4wGTp1MnI https://chat.whatsapp.com/Dy7Z7Ai7EHC0whE252VhRi https://chat.whatsapp.com/DJ55OfwZ6ad3aSJAwAs0Aw https://chat.whatsapp.com/BTgDDyxegj79tGnnEPygnR
Vandna Rohilla	https://chat.whatsapp.com/Cqov11pPW16HCDYfRhez6y https://chat.whatsapp.com/H4vwcqpfWUUA0ewnyADCi

Commerce Department

Faculty	WhatsApp Link
Preeti Bansal	https://chat.whatsapp.com/BsnNZM9NJFC4Ui4kzy1CR0
Dr. Pushp Deep Dagar	https://chat.whatsapp.com/EqloHkRIuir4qK2OqQJpUk
Harsh Manchanda	https://chat.whatsapp.com/KT7Sd9hILNI1SaNY2TKkwD https://chat.whatsapp.com/FJFeM62PjWkKwUuytOqCUI https://chat.whatsapp.com/KURLeZ7UcOvHkyCBaFXflb https://chat.whatsapp.com/K25TJyGOsRtJK8IOUkhbk2
Nirmala Soni	https://chat.whatsapp.com/Kz74i7ZkdGH65mylv https://chat.whatsapp.com/BTrWFhqv8T300TDIR3njS9
Manju	https://chat.whatsapp.com/I6eRC0U8gpfCUHIGThW7xR https://chat.whatsapp.com/IYhV3hpagSQ2CwjwhF8c78 https://chat.whatsapp.com/Js0wsEEr5x0DCIgtW7h4QM
Mr. Sachin Sapra	https://chat.whatsapp.com/FWuC3IR3vtkAucQwU0tOTT https://chat.whatsapp.com/GtZJ2tt0x84KfvSBILLEWY

	https://chat.whatsapp.com/Gix4Fc6QK81JgETk3nxSWA
Dr. Mukesh	https://chat.whatsapp.com/INLaMOR6ELy9a4ZLcciSyI https://chat.whatsapp.com/JKbzdsMHDLbA5m3SEGMoho
Dr. Mamta Ranga	https://chat.whatsapp.com/CSuTYxQk2kDKFLW7b3z3qq https://chat.whatsapp.com/JHLjtlo01wCC3uD0qkA9TG
DR. Parmod Kumar	https://chat.whatsapp.com/JW4IJUiUbdeJD1SfR5m6IJ https://chat.whatsapp.com/G0ypy14VMZdCVBUH6MdJIV https://chat.whatsapp.com/I5fxS7pFfDy9CHdPW0bFB5
Dr. Mukta Soni	https://chat.whatsapp.com/Fj6SuxdY7h1KnhDZacTydD

Physics Department

Faculty	WhatsApp Link
Neeraj Kadian	https://chat.whatsapp.com/KVnhhkD09IEC3QCMusqW0E
Sanehaa	https://chat.whatsapp.com/HdgWe7v8bkW1vQ7TGsmKTM https://chat.whatsapp.com/HWSWgDATNGgJqPLXnPva7X
Ms. SANKET	https://chat.whatsapp.com/I3aPAqnP9cx7SRjno4YVGu https://chat.whatsapp.com/L0AFzBpNnemE5Er6PYoZVH
Manju Vashista	https://chat.whatsapp.com/HSDLIV5KJ9eJKzoewCV22u
Vikas Sharma	https://chat.whatsapp.com/HWSWgDATNGgJqPLXnPva7X

Sociology Department

Faculty	WhatsApp Link
Joginder	https://chat.whatsapp.com/BqnTypvTJbe20sawhLeT7A
Sachin ladwal	https://chat.whatsapp.com/DdeEP5Qmh9o3BOP8VWREVe

Economics

Faculty	WhatsApp Link
Dr.	https://chat.whatsapp.com/HpRkm001dNdGhCocvbx2BL

Bhupinder	
Dr. Yogesh	https://chat.whatsapp.com/KDkFdUs8Czt8PESWyxAq3L
Mr. Pradeep	https://chat.whatsapp.com/CFerToxapQP10w0zcyjYaZi https://chat.whatsapp.com/E68QNDYXmc8Gx0HIji5k6D https://chat.whatsapp.com/IyaHR3h1H90JvhHTSP1g6f

Political Science

Faculty	WhatsApp Link
Mr. Nishant	https://chat.whatsapp.com/GFqAPgHmhoRH8Cc4r1HODv https://chat.whatsapp.com/DyChsShffgA1c8HIVnhJdU https://chat.whatsapp.com/C6mQ95epblvJgMvFIzlkN

Botany

Faculty	WhatsApp Link
Mousam	https://chat.whatsapp.com/Bepkx5cxIciDz8p3a5rrPo
Dr. Savita Kadian	https://chat.whatsapp.com/J3c0vQIaNN45Mf4i2vqRRx

English

Faculty	WhatsApp Link
Sushma	https://chat.whatsapp.com/GBVtr4067y891aOqHRAzkR

Fine Arts

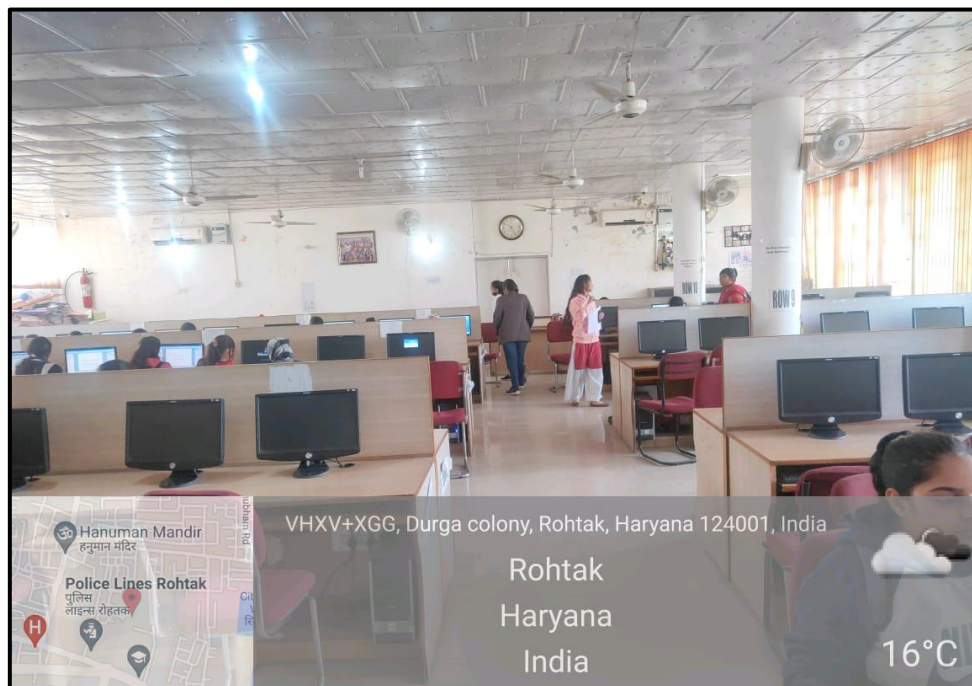
Faculty	WhatsApp Link
Dr. kiran Bala	https://chat.whatsapp.com/FliyWekSxMkJv35gSRiUGs

COMPUTER BASED LABS

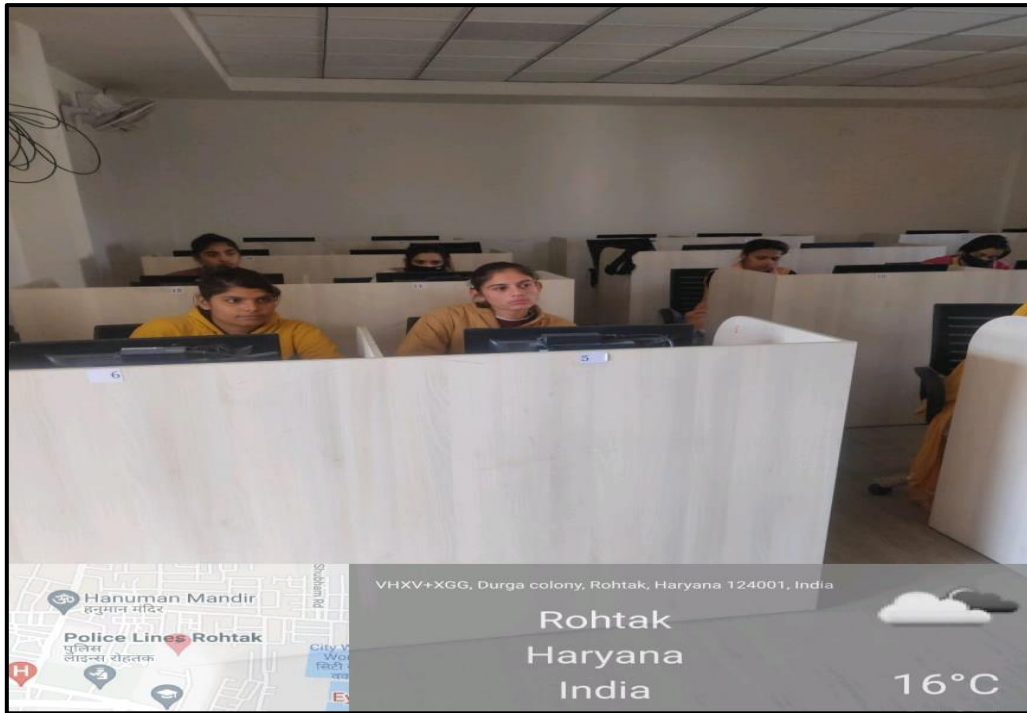
Physics Lab



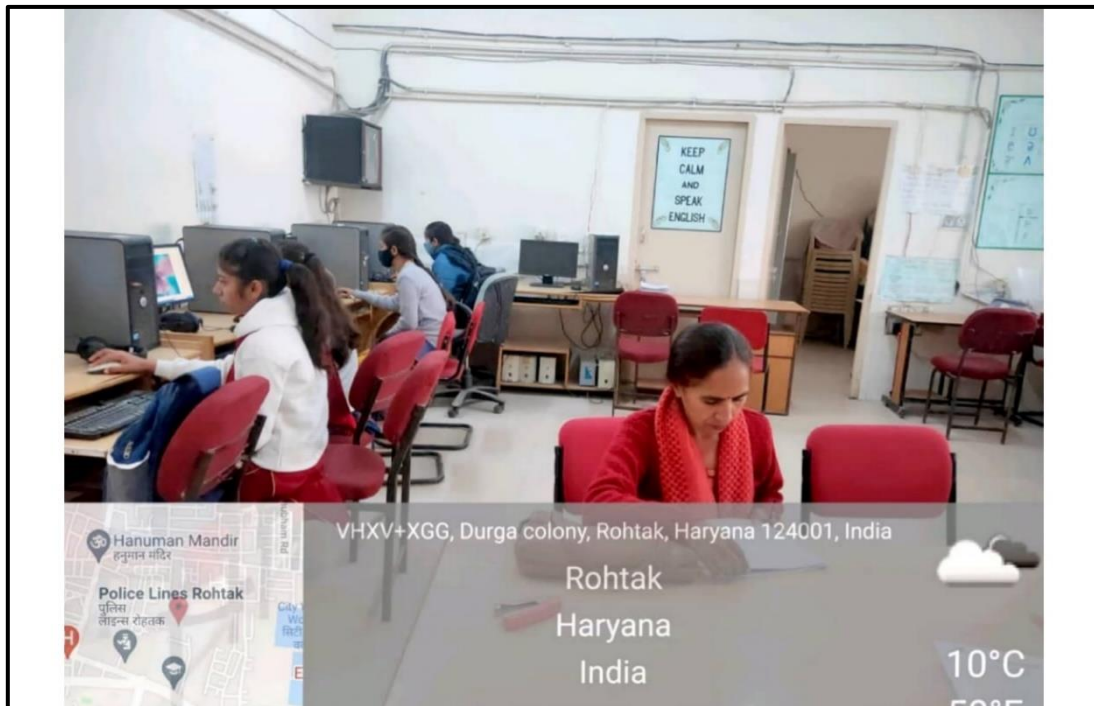
Computer Science Department Lab



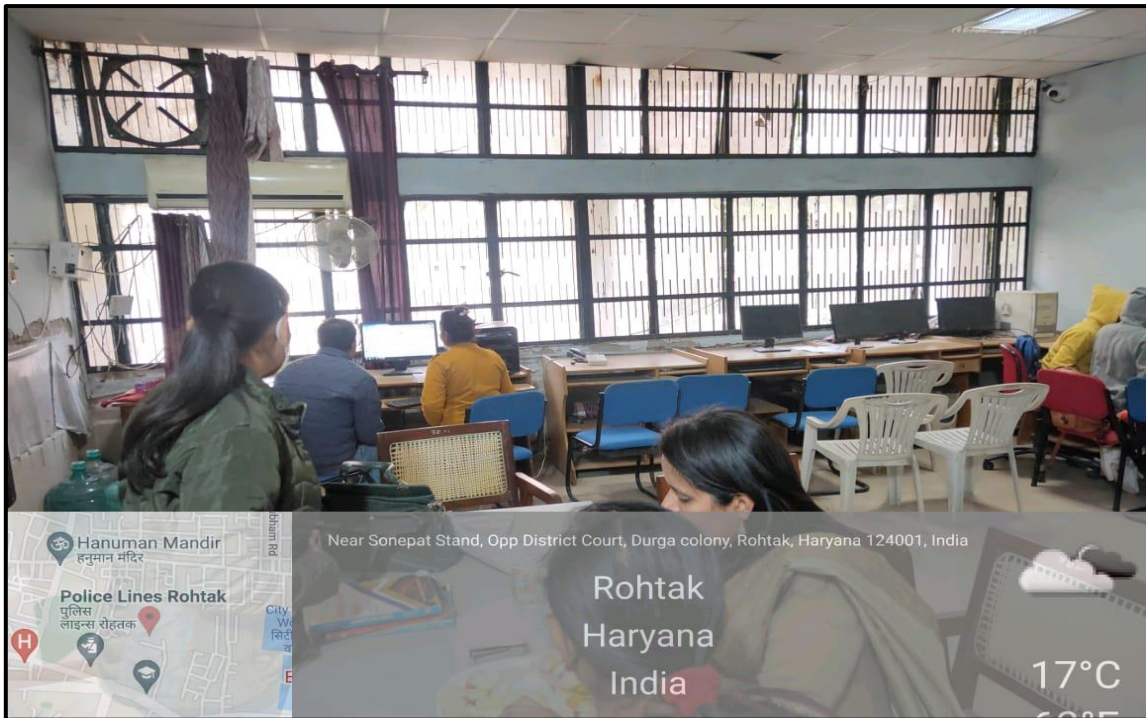
Geography Department Lab



English Department Lab



Maths Department Lab



Commerce Department Lab



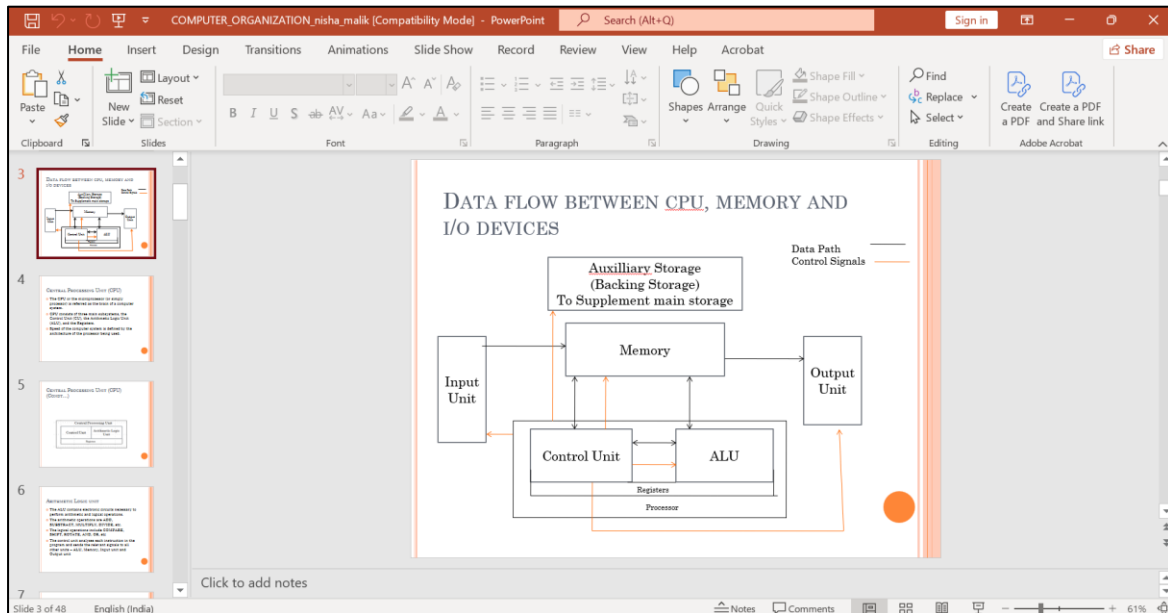
E-NOTES SHARED WITH STUDENTS

Sr. No.	Department	Faculty	E-NOTES
1.	Computer Science	Dr. Nisha Malik	PPT, Online Material
2.	Computer Science	Mrs. Suman Ahlawat	PPT, Online Material
3.	Computer Science	Dr. Rohini Sharma	PPT, GeeksforGeeks, Programiz, javapoint
4.	Computer Science	Monica Rathee	On Line material
5.	Computer Science	Vandna	On Line Material
6.	Computer Science	Chain Singh	PDF, On line Material
7.	Computer Science	Dr. Jyoti	E-notes on Cousera
8.	Computer Science	Tarika Verma	Online Material
9.	Geography	Dr. Satish Kumar	E-contnet in the form of PPTs for Climatology, Oceanography, Economic Geography, Geographical Thoughts, Remote Sensing, Satellite Imagery, Environment Geography has been shared with students and same has been uploaded on studypool platform
10.	Commerce	DR. Parmod Kumar	PPT
11.	Chemistry	Dr. Anita And Manu Kumari	YouTube, WhatsApp, audio video recorded of lecture, smart class, projector used
12.	Botany	Mousam	Ppt and pdf

13.	Botany	Dr. Savita Kadian	Power Point Presentation
14.	Chemistry	Dr. Suman	You tube videos, What's app and Google meet
15.	FineArts	Dr.kiran bala	Pinterest
16.	Math	Savita Deswal	MS Word, whatsapp group, YouTube mathematics subject videos
17.	Physics	Manju Vashistha	Documentary movies based on physics phenomenon, power point presentation
18.	Physics	VIKAS Sharma	Documentary based on PHYSICS

POWER POINT PRESENTATION DETAILS WITH PROOF

Dr. Nisha Malik



What is a Database Management System (DBMS)?

- **Database**
 - An organized collection of related data
- **Database Management System**
 - Comprises programs to store, retrieve, and otherwise manage a computerized database and to provide interfaces to application programs and to non-programming users

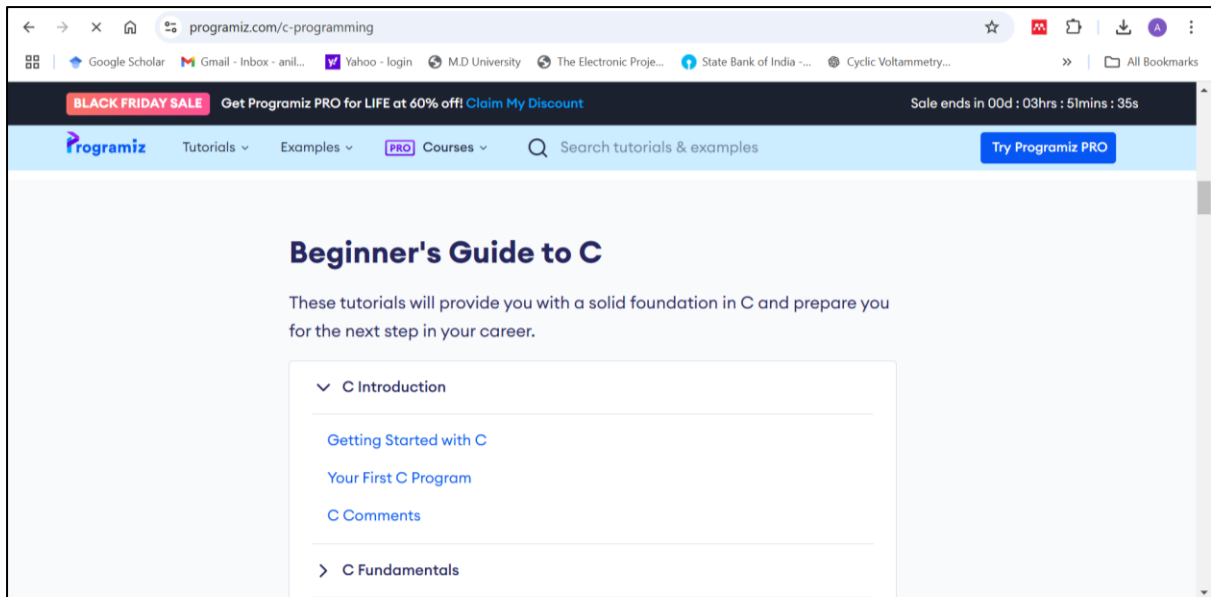
Slide 2

The screenshot shows a PowerPoint slide titled 'Expert system' with a diagram illustrating the architecture of an expert system. The diagram consists of the following components and their interactions:

- Human Expert**: A person icon on the left who provides input to the **Knowledge Engineer**.
- Knowledge Engineer**: A person icon in the center who interacts with the **Knowledge Base** and the **Inference Engine**.
- Knowledge Base**: A yellow box containing knowledge, connected to the **Inference Engine** by a double-headed arrow.
- Inference Engine**: A yellow box that processes information from the **Knowledge Base** and the **Human Expert**.
- User Interface**: A yellow box that receives input from the **User** and sends output to the **Knowledge Engineer**.
- User (May not be an expert)**: A person icon on the right who interacts with the **User Interface**.

The diagram shows a flow of information from the **Human Expert** to the **Knowledge Engineer**, and from the **User Interface** to the **User**. The **Knowledge Engineer** and **User Interface** are connected to the **Knowledge Base** and **Inference Engine**.

Mrs. Monica Rathee

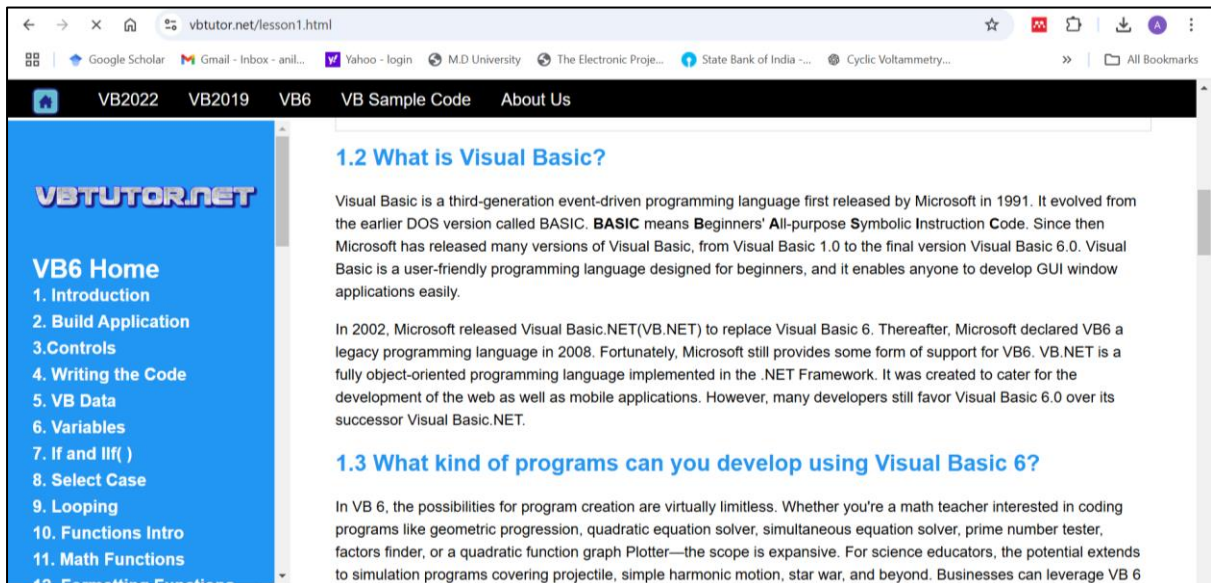


The screenshot shows the Programiz website at the URL `programiz.com/c-programming`. At the top, there is a navigation bar with a search bar and a 'Try Programiz PRO' button. A promotional banner for 'BLACK FRIDAY SALE' is visible, offering a 60% discount on Programiz PRO. The main content area is titled 'Beginner's Guide to C' and includes a sub-header: 'These tutorials will provide you with a solid foundation in C and prepare you for the next step in your career.' Below this, there is a list of tutorial topics under the heading 'C Introduction':

- Getting Started with C
- Your First C Program
- C Comments

At the bottom of the list, there is a section for 'C Fundamentals'.

Mrs. Vandna



The screenshot shows the vbtutor.net website at the URL `vbtutor.net/lesson1.html`. The navigation bar includes links for 'VB2022', 'VB2019', 'VB6', 'VB Sample Code', and 'About Us'. The main content area is titled '1.2 What is Visual Basic?' and contains the following text:

Visual Basic is a third-generation event-driven programming language first released by Microsoft in 1991. It evolved from the earlier DOS version called BASIC. **BASIC** means **B**eginners' **A**ll-purpose **S**ymbolic **I**nstruction **C**ode. Since then Microsoft has released many versions of Visual Basic, from Visual Basic 1.0 to the final version Visual Basic 6.0. Visual Basic is a user-friendly programming language designed for beginners, and it enables anyone to develop GUI window applications easily.

In 2002, Microsoft released Visual Basic.NET(VB.NET) to replace Visual Basic 6. Thereafter, Microsoft declared VB6 a legacy programming language in 2008. Fortunately, Microsoft still provides some form of support for VB6. VB.NET is a fully object-oriented programming language implemented in the .NET Framework. It was created to cater for the development of the web as well as mobile applications. However, many developers still favor Visual Basic 6.0 over its successor Visual Basic.NET.

1.3 What kind of programs can you develop using Visual Basic 6?

In VB 6, the possibilities for program creation are virtually limitless. Whether you're a math teacher interested in coding programs like geometric progression, quadratic equation solver, simultaneous equation solver, prime number tester, factors finder, or a quadratic function graph Plotter—the scope is expansive. For science educators, the potential extends to simulation programs covering projectile, simple harmonic motion, star war, and beyond. Businesses can leverage VB 6

Mr. Chain Singh

COMPUTER GRAPHICS

- Display controller or video controller
- Digital memory or frame buffer
- Television monitor

1. Display controller or video controller- It's a Memory Buffer and TV Monitor interface. Its task is to pass Frame Buffer's contents to the monitor. The display controller reads each continuous byte of Memory frame buffer data and converts 0's and 1's into appropriate video signals.

In today's term, the display controller is recognized as a display card, and one of our choices can be a VGA(Video Graphics Array) card with a resolution of 640x480. Display Controller is also capable of displaying the image in colors.

2. Digital memory or frame buffer- This is a place where images and pictures are stored as an array (matrix of 0 & 1. 0 represents darkness, and 1 represents image or picture). It is also called a frame buffer.

In today's term frame buffer is called V-RAM (video RAM), and it helps to store the image in bit form. It helps to increase the speed of graphics.

3. Television monitor- Monitor helps us to view the display, and they make use of CRT(Cathode ray tube) technology.

```
graph TD
    Host[Interface with host computer] --> DC[Display controller DC]
    Keyboard[Keyboard/Mouse] --> DC
    DC --> VC[Video controller]
    VC --> Monitor[Monitor]
```

Tarika verma

CHAPTER SEVEN
Karnaugh Maps

7.1 The Karnaugh Map

With the introduction of SOP and POS functions in Chapter 6, we learned how to convert a truth table to a boolean expression, and if necessary, a digital circuit. Recall that in the SOP form of a boolean expression, each row with an output of one corresponded to a product. The OR of all of the products produced an expression that satisfied the truth table, but not necessarily one that was reduced to its simplest form. For example, the truth table below has four rows, each of which corresponds to a one output.

A	B	C	X
0	0	0	1
0	0	1	1

A = 0, B = 0, and C = 0
A = 0, B = 0, and C = 1

RECORDED VIDEO LECTURES OF VARIOUS DEPARTMETS WITH PROOF

<https://drive.google.com/drive/folders/1OfMFYsS2PXNRfbtoyDofY1MI1310u6fwM4mHoC3rukzLSbCSTgxXD1OVBpqooPJkoM1xyKII>

<https://drive.google.com/drive/folders/1OfMFYsS2PXNRfbtoyDofY1MI1310u6fwM4mHoC3rukzLSbCSTgxXD1OVBpqooPJkoM1xyKII>

<https://drive.google.com/drive/folders/1OfMFYsS2PXNRfbtoyDofY1MI1310u6fwM4mHoC3rukzLSbCSTgxXD1OVBpqooPJkoM1xyKII>

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

<https://www.youtube.com/watch?v=cK3gdbR-nEM>

<https://www.youtube.com/watch?v=0BTnOGIJrrU>

<https://www.youtube.com/watch?v=1FtaTx5LiY0>

https://www.youtube.com/watch?v=C_VXsIzTIL4&t=6s

<https://www.youtube.com/channel/UCPJNcyaob4eUEMxtpJW8lqA>

PROJECTOR FACILITY

In a learning world increasingly dominated by individual devices, the projector remains central to education ---Simon Fry

Computer Science Department Lab (56B-II)



Commerce Department (Room No. 1)



Physics Department (Room No. 9C)



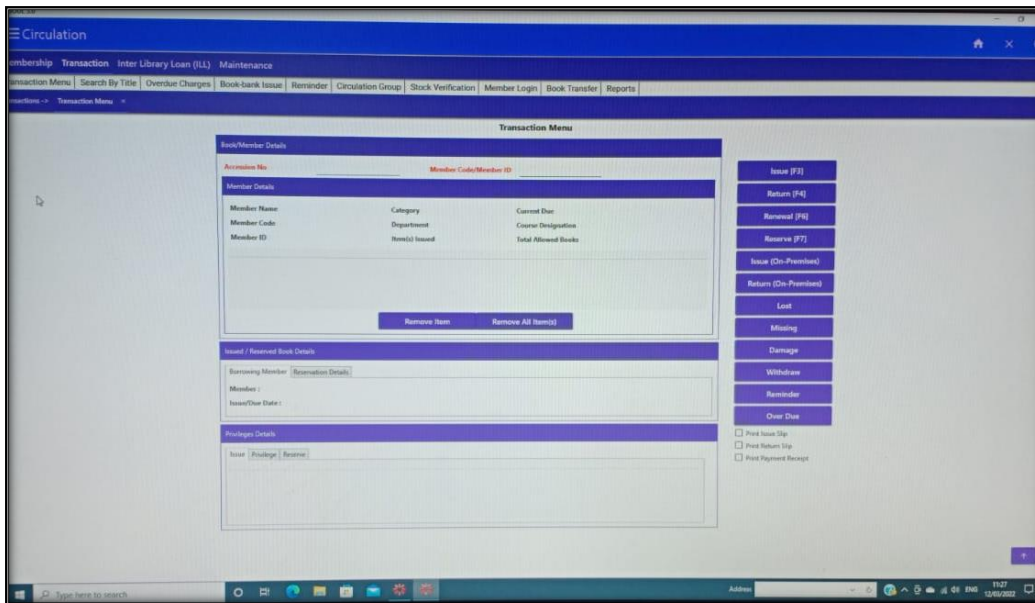
EDUSAT Room



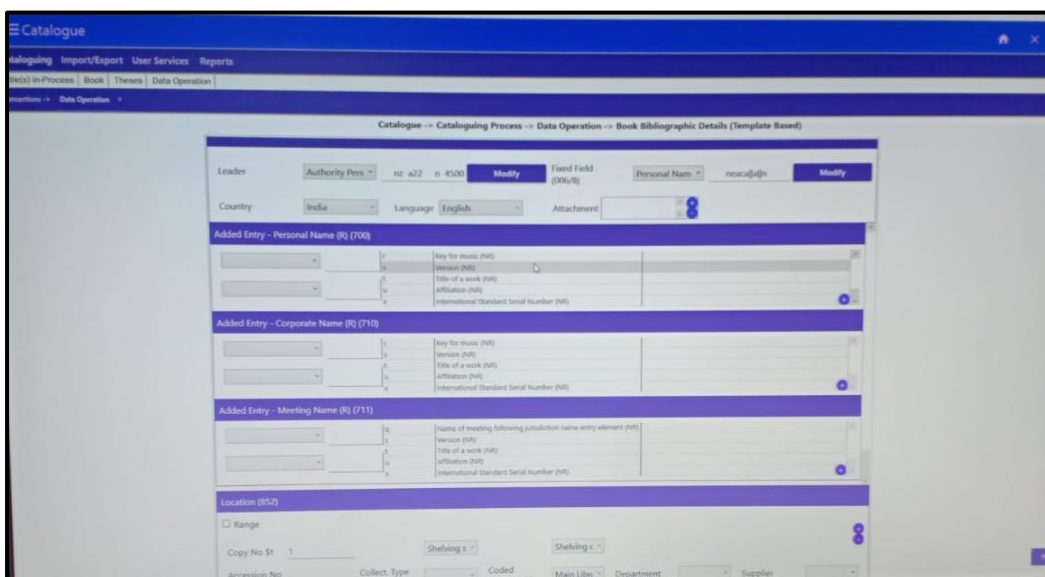
AUTOMATED LIBRARY SYSTEMS HAVING ACCESS TO E-RESOURCES

The record of books in the library is maintained through SOUL software. It is used to maintain a catalogue of books. The library also provides access to free Journals, books and other reading material through <https://www.britishcouncil.in/> (N-list, British council of India, national digital library of India).

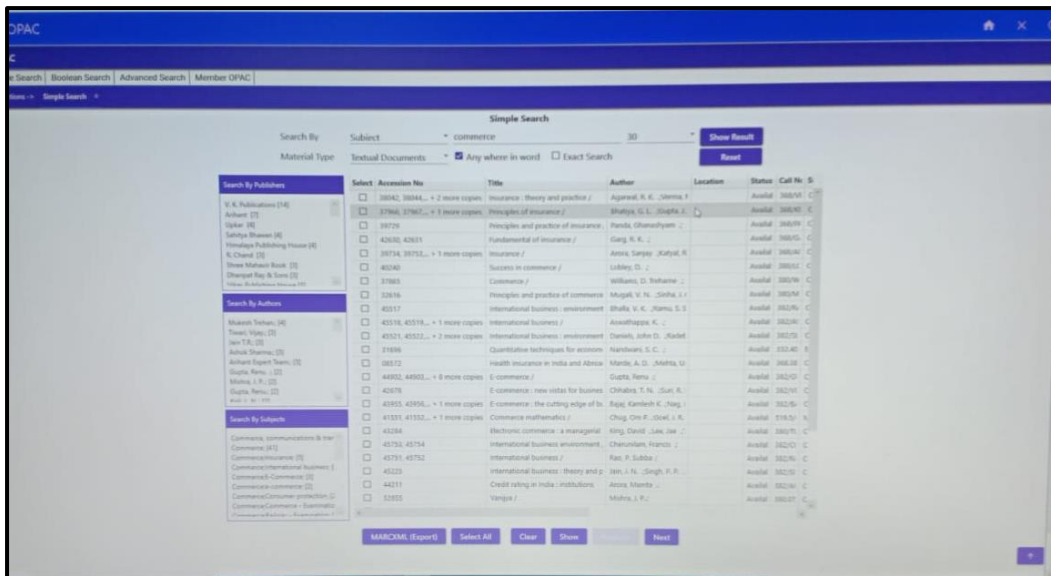
Details of Book Transaction



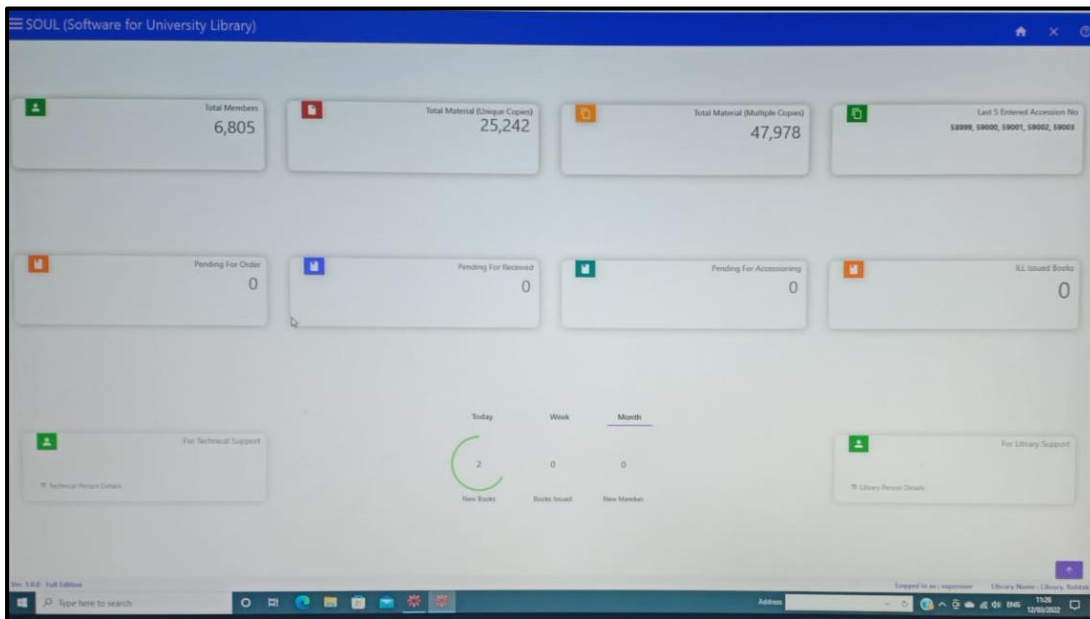
Catalogue of Books



Book Search using OPAC



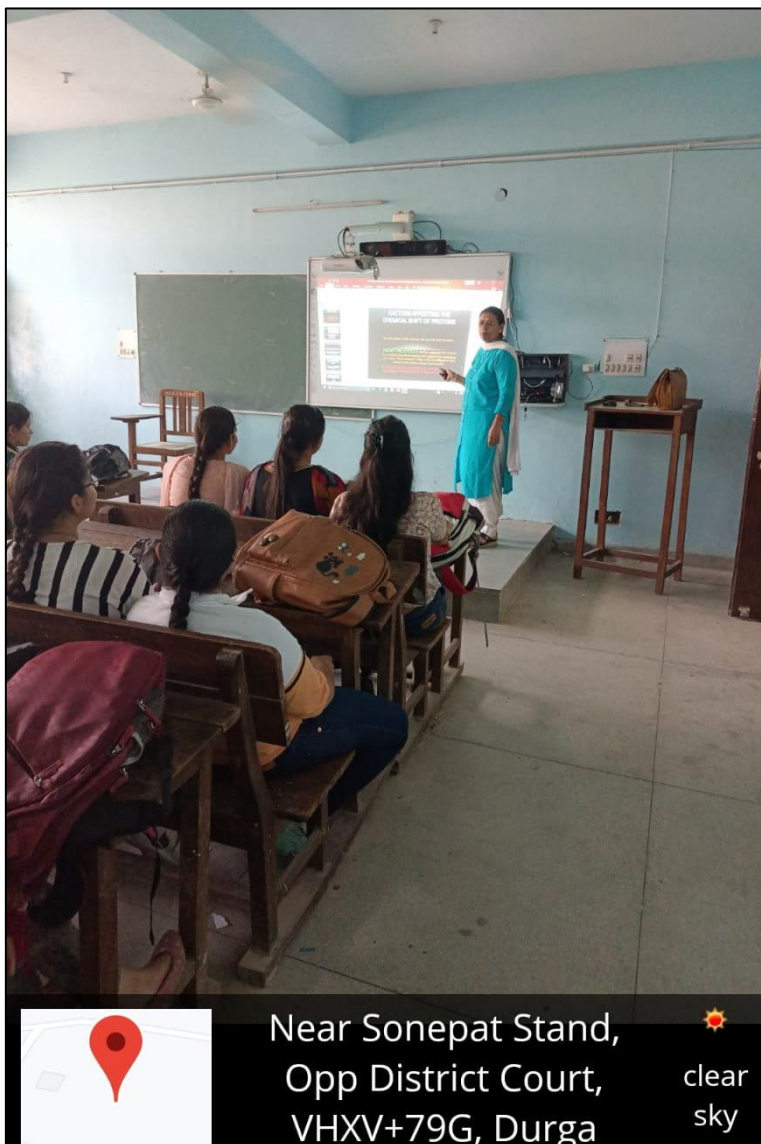
SOUL Software



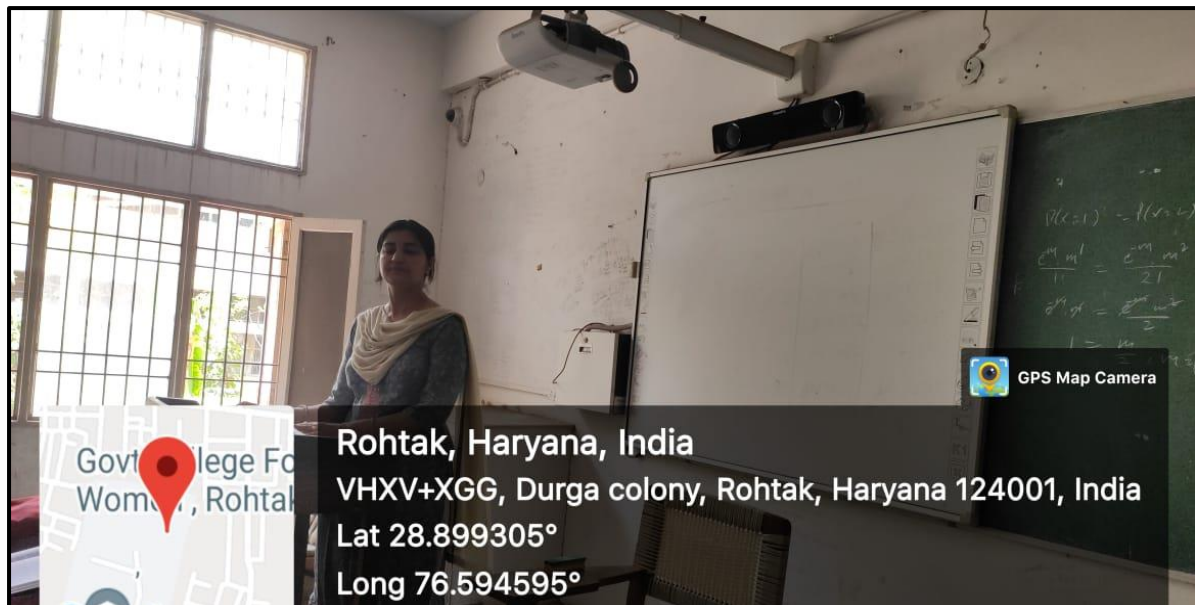
SMART CLASSROOMS

A smart classroom is a technologically advanced learning environment that improves digital teaching and learning. Digital displays, tabs, whiteboards, assistive listening devices, and other audio/visual components are integrated into the classroom, making lectures easier, more engaging, and more interactive. There are total ten smart classrooms available in GPGCW, Rohtak.

Chemistry Department (Room No. 2C)



Commerce Department (Room No. 5)



Zoology Department (Room No. 12 C)



Computer Science Department (Room No. 22F)



English Department (Room No. 5 A)



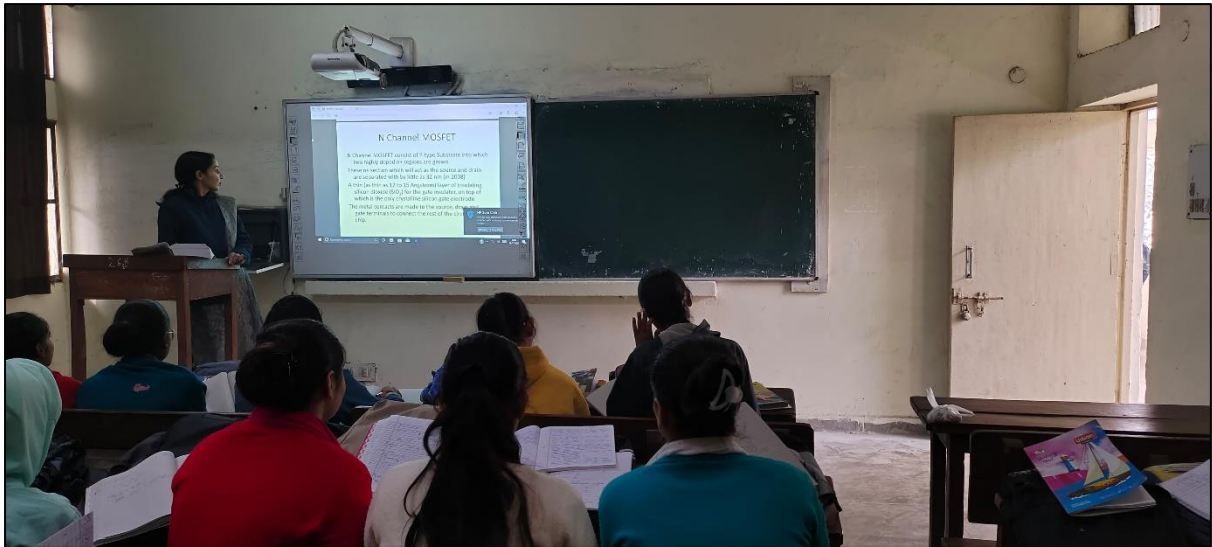
Botany Department (Room No. 51 B)



Maths Department (Room No. 2 F)



Physics Department (Room No. 32 B)



Geography Department (Room No. 31F)



Psychology Department (Room No. 8A)



LCD Facility



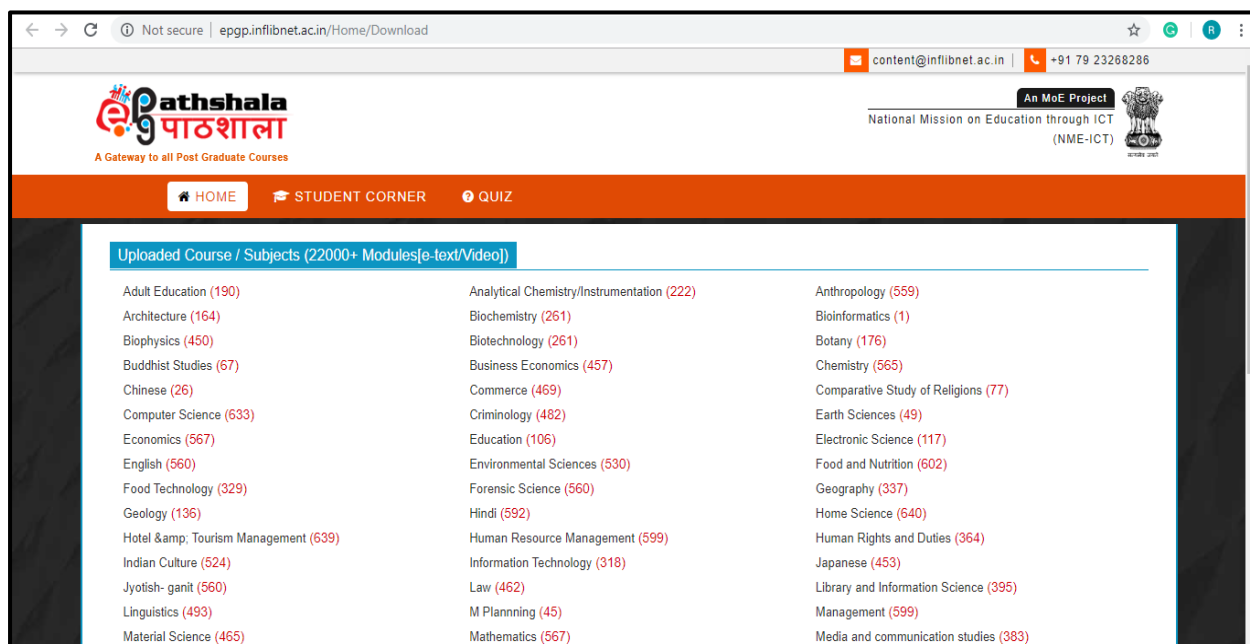
Lecture Presentation Through LCD in Zoology Department



Lecture Presentation Through LCD in Botany Department

ONLINE STUDY MATERIAL BY DEPARTMENT OF HIGHER EDUCATION, HARYANA

<http://epgp.inflibnet.ac.in/Home/>



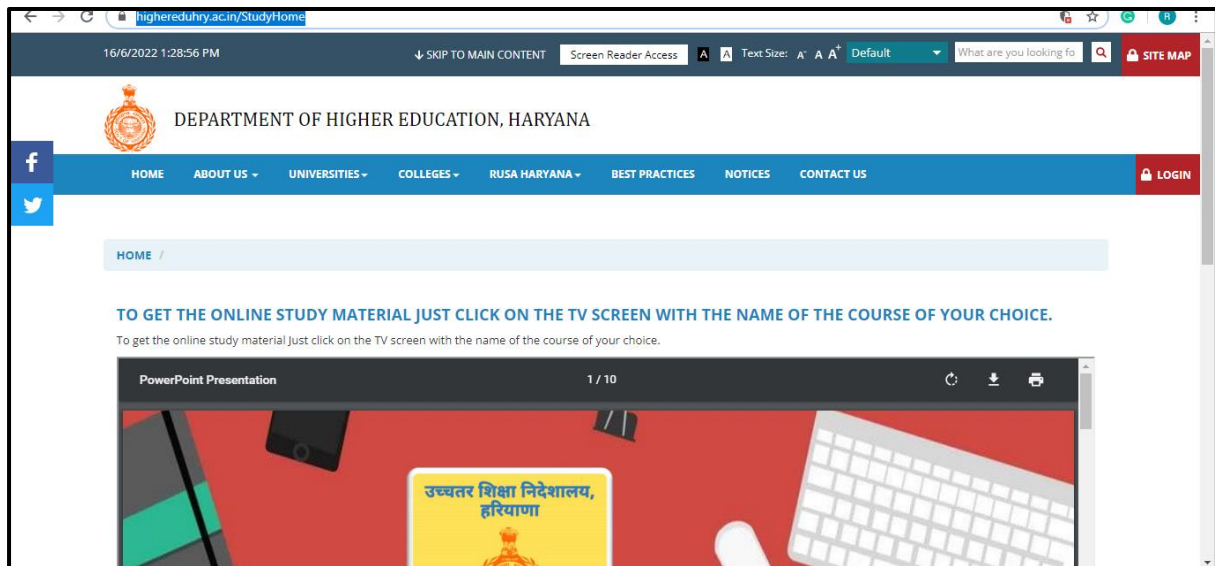
The screenshot displays the Pathshala website interface. At the top, there is a navigation bar with the Pathshala logo and the text "A Gateway to all Post Graduate Courses". To the right, it mentions "An MoE Project National Mission on Education through ICT (NME-ICT)". Below the navigation bar, there are three main menu items: HOME, STUDENT CORNER, and QUIZ. The main content area is titled "Uploaded Course / Subjects (22000+ Modules[e-text/Video])" and lists various subjects with their respective module counts. The subjects are arranged in three columns.

Uploaded Course / Subjects (22000+ Modules[e-text/Video])		
Adult Education (190)	Analytical Chemistry/Instrumentation (222)	Anthropology (559)
Architecture (164)	Biochemistry (261)	Bioinformatics (1)
Biophysics (450)	Biotechnology (261)	Botany (176)
Buddhist Studies (67)	Business Economics (457)	Chemistry (565)
Chinese (26)	Commerce (469)	Comparative Study of Religions (77)
Computer Science (633)	Criminology (482)	Earth Sciences (49)
Economics (567)	Education (106)	Electronic Science (117)
English (560)	Environmental Sciences (530)	Food and Nutrition (602)
Food Technology (329)	Forensic Science (560)	Geography (337)
Geology (136)	Hindi (592)	Home Science (640)
Hotel & Tourism Management (639)	Human Resource Management (599)	Human Rights and Duties (364)
Indian Culture (524)	Information Technology (318)	Japanese (453)
Jyotish- ganit (560)	Law (462)	Library and Information Science (395)
Linguistics (493)	M Planning (45)	Management (599)
Material Science (465)	Mathematics (567)	Media and communication studies (383)

STUDY @HOME

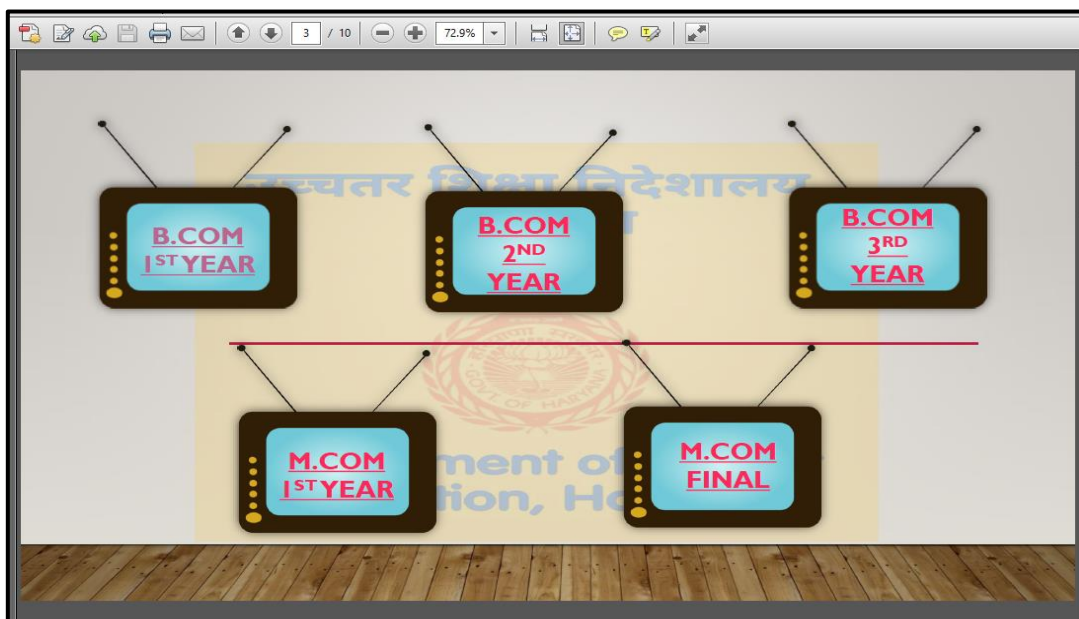
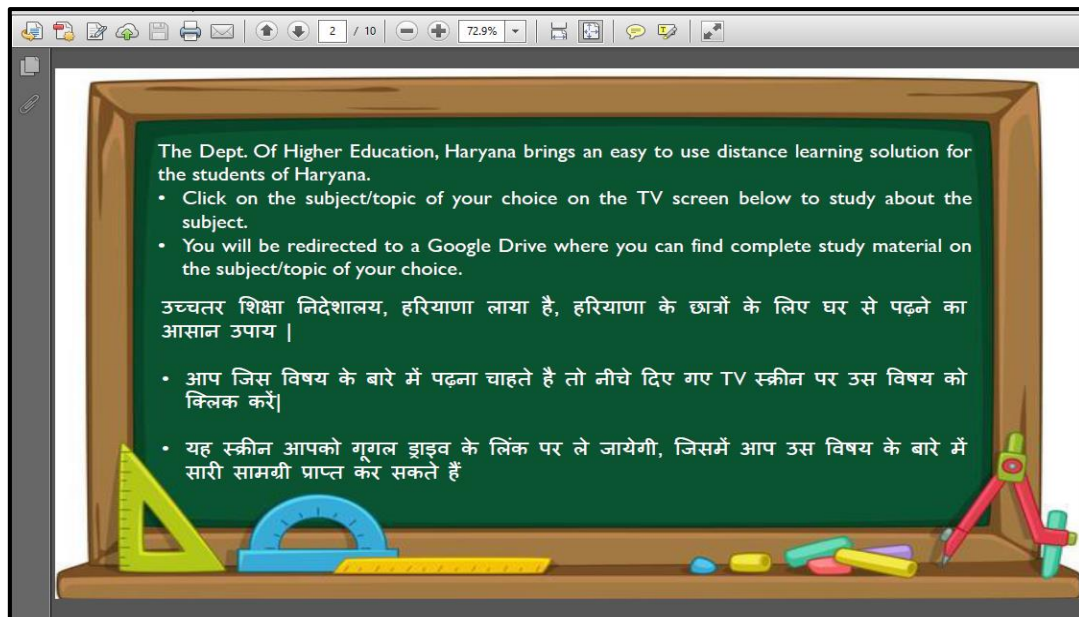
The “Study @Home” facility provided by the DHE, Haryana, enables students to get the online study material just by clicking on the TV screen with the name of the course of students’ choice.

https://www.highereduhry.ac.in/forms/WebPages/Html/STUDY_MATERIAL_HARYANA.html



DIGIGYAN- An Initiative of DHE, Haryana





SWAYAM PRABHA, MINISTRY OF HUMAN RESOURCES DEVELOPMENT, INDIA

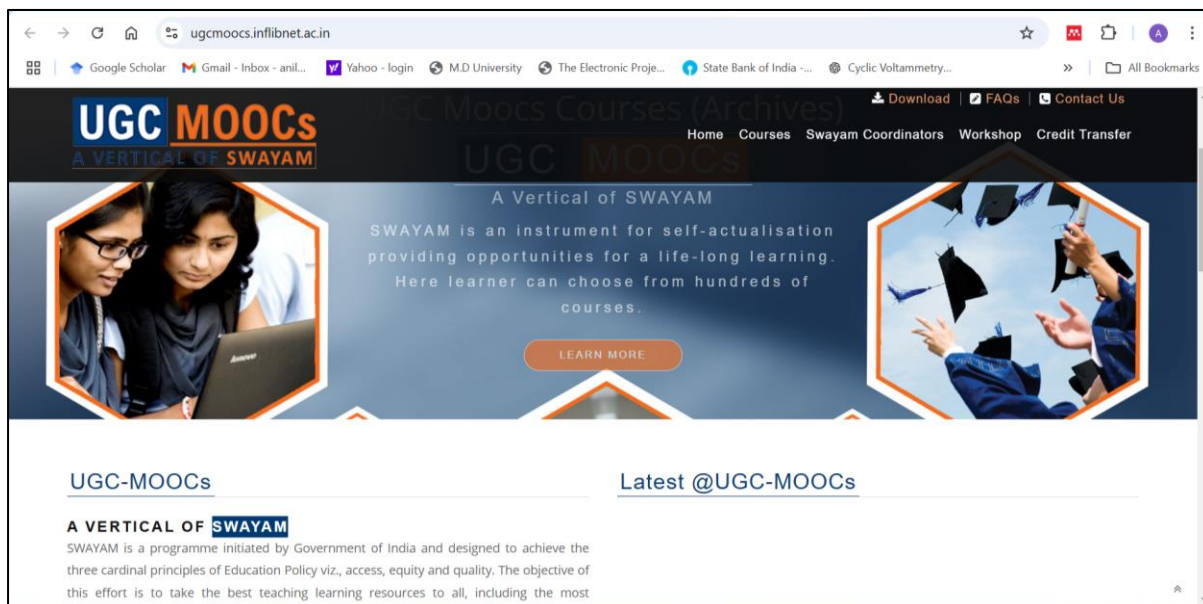
SWAYAM Prabha is an initiative of the Ministry of Human Resources Development to provide 32 High Quality Educational Channels through DTH (Direct to Home) across the length and breadth of the country on 24X7 basis. It has curriculum-based course content covering diverse disciplines. This is primarily aimed at making quality learning resources accessible to remote areas where internet availability is still a challenge. The faculty members of our college encourage students to learn from this medium. <https://www.swayamprabha.gov.in/>

The screenshot displays the Vikaspedia website interface. At the top, there is a navigation bar with the Vikaspedia logo and language options: ENGLISH, हिंदी, मराठी, മലയാളം, தமிழ், বাংলা, and অসমীয়া. A search bar labeled 'Search Within Portal' and 'Login Register' is also present. Below the navigation bar, a menu lists various categories: Agriculture, Health, Education, Social Welfare, Energy, e-Governance, Schemes, and Aspirational Districts. The main content area is titled 'Swayam Prabha' and includes a list of items: '1. Scope of the channels' and '2. List of Channels'. A paragraph describes the initiative: 'SWAYAM Prabha is an initiative of the Ministry of Human Resources Development to provide 32 High Quality Educational Channels through DTH (Direct to Home) across the length and breadth of the country on 24X7 basis. It has curriculum-based course content covering diverse disciplines. This is primarily aimed at making quality learning resources accessible to remote areas where internet availability is still a challenge. The DTH channels are using the GSAT-15 satellite for programme telecasts. The SWAYAM PRABHA has new content everyday for at least (4) hours which would be repeated 5 more times in a day, allowing the students to choose the time of their convenience. The channels are uplinked from BISAG, Gandhinagar. The contents are provided by NPTEL, IITs, UGC, CEC, IGNOU, NCERT and NIOS. The INFLIBNET Centre maintains the web portal.' A sidebar on the left contains a search bar and a list of menu topics: Child Rights, Teachers corner, Career Guidance, Digital Literacy, Policies and Schemes, Childrens corner, Digital Learning Resources, Virtual Labs for Science and Engineering, E - Pathshala, AI For All, Curriculum based Comic books, and Online Maps Portal of Survey. A 'RELATED ITEMS' box is visible on the right side.

UGC-MOOCs

The DGHE has provided a link for UGC-MOOCs for the welfare of the students and Faculties. It is a vertical of SWAYAM. It is an instrument for self-actualization providing opportunity for a life long learning.

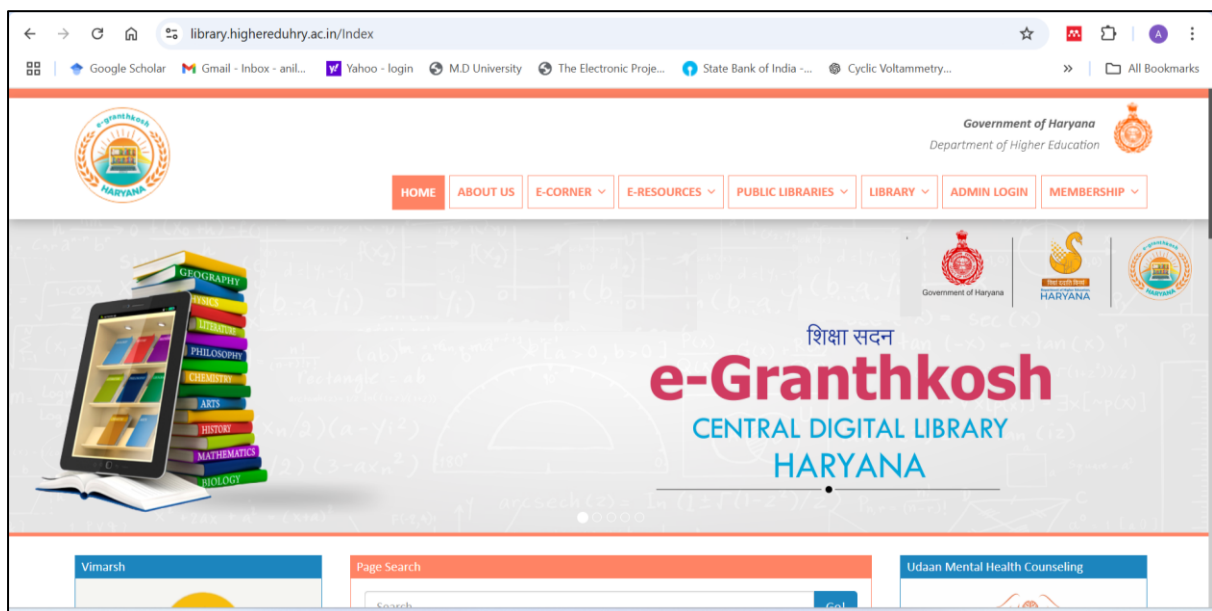
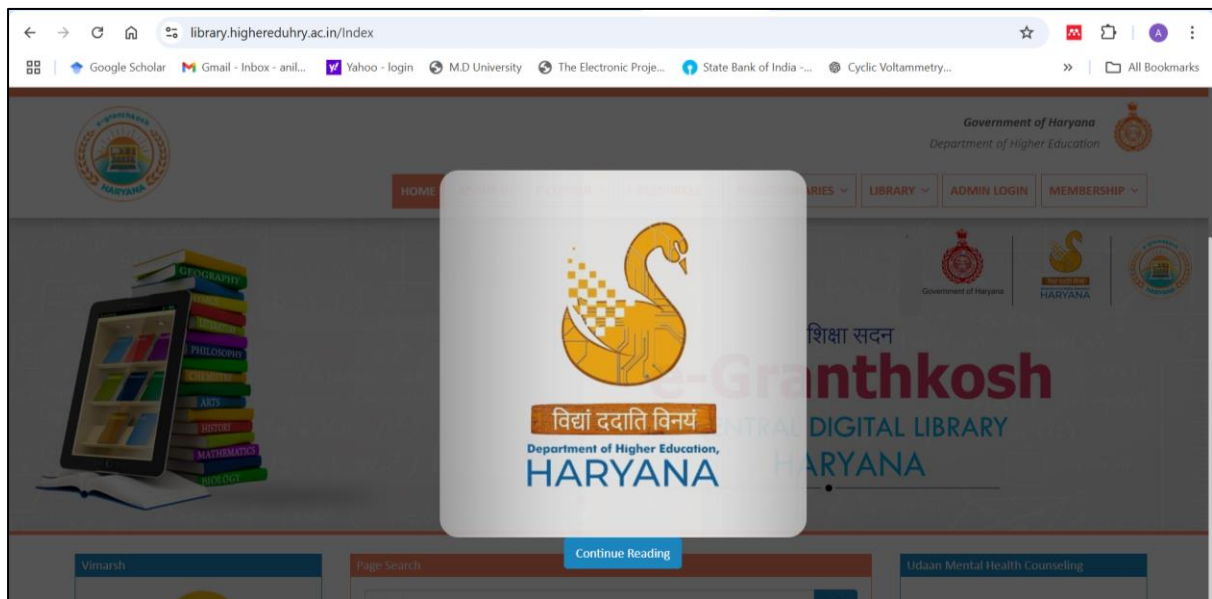
<https://ugcmoocs.inflibnet.ac.in/>



The screenshot shows the homepage of the UGC-MOOCs website. The browser address bar displays 'ugcmoocs.inflibnet.ac.in'. The website header features the logo 'UGC MOOCs A VERTICAL OF SWAYAM' and a navigation menu with links for 'Home', 'Courses', 'Swayam Coordinators', 'Workshop', and 'Credit Transfer'. A central banner with a blue background contains the text: 'A Vertical of SWAYAM', 'SWAYAM is an instrument for self-actualisation providing opportunities for a life-long learning. Here learner can choose from hundreds of courses.', and a 'LEARN MORE' button. Two images are included in the banner: one of two women looking at a laptop and another of graduates in blue gowns throwing their caps. Below the banner, there are sections for 'UGC-MOOCs' and 'Latest @UGC-MOOCs'. The 'A VERTICAL OF SWAYAM' section contains the text: 'SWAYAM is a programme initiated by Government of India and designed to achieve the three cardinal principles of Education Policy viz., access, equity and quality. The objective of this effort is to take the best teaching learning resources to all, including the most'.

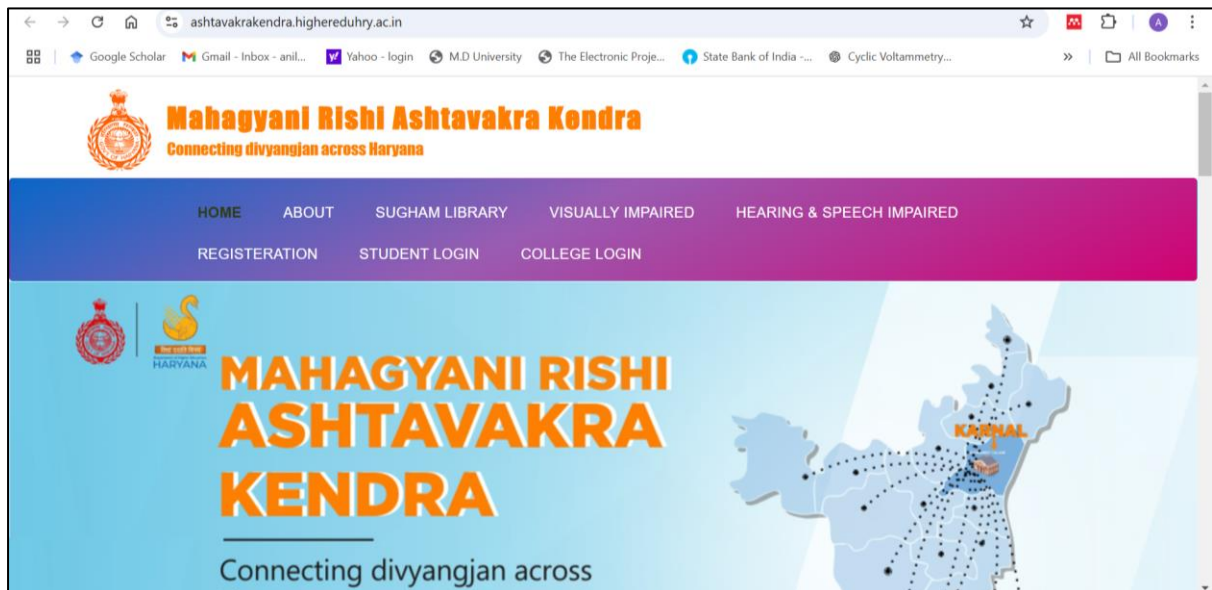
e-Granthkosh (Central digital library): It is a virtual repository of public libraries of Haryana. It is a digital initiative of the Higher education department of Haryana to redefine public libraries. It contains digital data of all 20 district libraries and 6 sub-divisional libraries of Haryana. Shaping the future of readers by offering a self-learning digital platform. A total collection of 8 lakh 7 thousand books is available in all 26 districts/sub-divisional libraries in which 3 lakh 84 thousand books are automated and serving around 20 thousand active members in Haryana state.

<https://library.highereduhry.ac.in/>

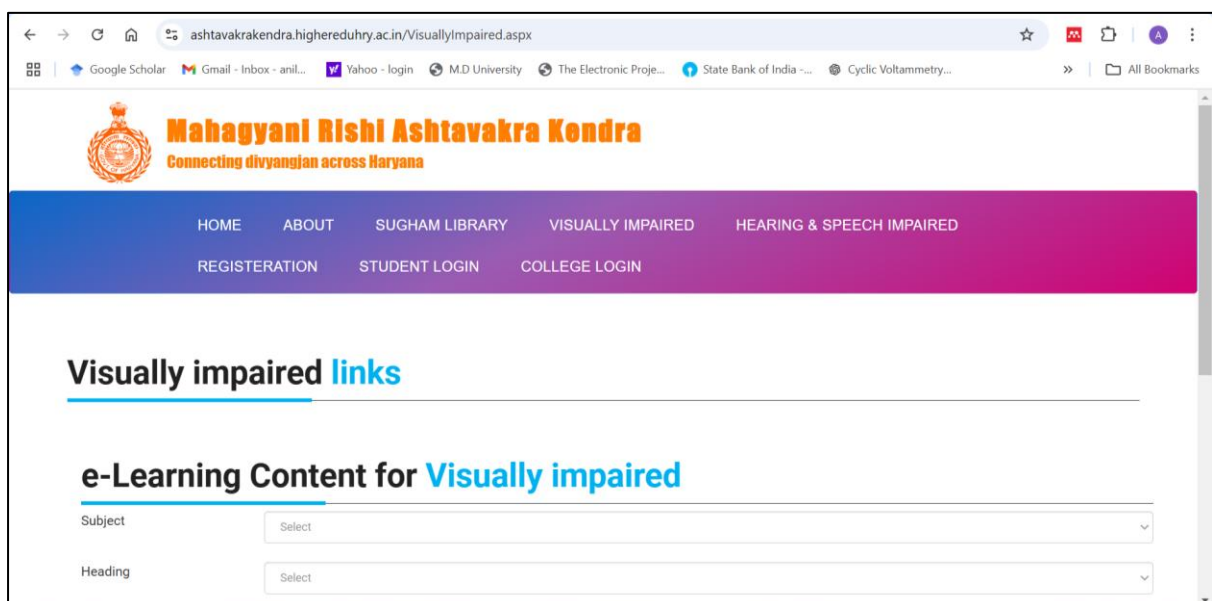


Learning Centre for DIVYAANG

It is an E-LEARNING portal for students with special needs where they feel independent, secured and a part of the mainstream.



The screenshot shows the homepage of the Mahagyani Rishi Ashtavakra Kendra. The browser address bar displays 'ashtavakrakendra.highereduhry.ac.in'. The page features the organization's logo and name at the top left, with the tagline 'Connecting divyangjan across Haryana'. A navigation menu includes links for HOME, ABOUT, SUGHAM LIBRARY, VISUALLY IMPAIRED, HEARING & SPEECH IMPAIRED, REGISTRATION, STUDENT LOGIN, and COLLEGE LOGIN. A large banner below the menu features the organization's name in large orange letters, a map of Haryana with a network of dots, and the text 'Connecting divyangjan across'.



The screenshot shows the 'Visually impaired links' page on the Mahagyani Rishi Ashtavakra Kendra website. The browser address bar displays 'ashtavakrakendra.highereduhry.ac.in/VisuallyImpaired.aspx'. The page features the organization's logo and name at the top left, with the tagline 'Connecting divyangjan across Haryana'. A navigation menu includes links for HOME, ABOUT, SUGHAM LIBRARY, VISUALLY IMPAIRED, HEARING & SPEECH IMPAIRED, REGISTRATION, STUDENT LOGIN, and COLLEGE LOGIN. The main content area is titled 'Visually impaired links' and contains a section for 'e-Learning Content for Visually impaired'. This section includes two dropdown menus: 'Subject' and 'Heading', both currently set to 'Select'.