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CENTRE FOR DIGITAL LEARNING

YEAR OF ESTABLISHMENT: 2019 - 2020

Vision:

To establish a Virtual Educational Environment for the aspiring minds of our institution with end to end Technology and empowered Innovation.

Mission:

- **↓** To incorporate the ICT in all means of Teaching, Learning and Evaluation.
- ♣ To provide the experience of Teaching-Learning process anywhere at any time for the Learners and Educators
- ♣ To assure consistency in terms of implementing the technology updates.
- ♣ To carry up the Deep learning with innovative expertise through ICT

Objectives:

- ♣ Enhance the quality of learning and teaching
- ♣ Meet the learning style or needs of students
- ♣ Improve the efficiency and effectiveness
- Improve user-accessibility and time flexibility to engage learners in the learning process

About the Centre:

Centre for Digital Learning Established in the year of 2019 – 2020. It was a Vision and a Mission There are 6 units functioning Under this centre namely Swayam, Spoken Tutorial, E-Content Tools, Digital Initiatives and Implementation, Swayam Prabha and MOOCs. Each unit functioning with their specific objectives and has a separate convenor who is incharge for the unit. There are students coordinators under each unit and also department wise coordinators.



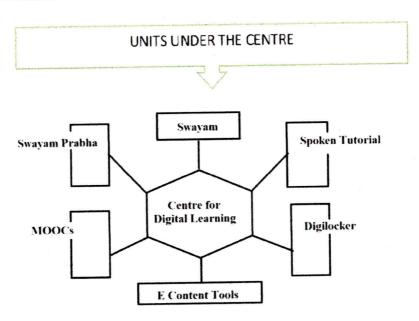


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Centre Diagram



Swayam which is initiated by Ministry of Eductation Government of India contributes lot of Technical Courses, The objective of this effort is to take the best teaching learning resources to all. Hence in each semester we instruct the faculty members and students to register the course and make them to get certified. UGC has already issued the UGC (Credit Framework for online learning courses through SWAYAM) Regulation 2016 advising the Universities to identify courses where credits can be transferred on to the academic record of the students for courses done on SWAYAM. Hence the students those who are completed the online course under swayam portal can get the additional credit in his/her academic report.

Spoken Tutorial is an initiative of MHRD (MINISTRY OF HUMAN RESOURCE DEVELOPMENT), Govt. of India and a part of National Mission on Education through Information and Communication Technology (NMEICT), developed at IIT-Bombay. This is a platform where students can learn and master on various programming languages and software incuding C. C++, JAVA. JBA, Pyhton, PHP&MySQL, LINUX, LibreOffice, BASH, Scilab, LaTeX, Drupal, Perl, Neatbeans etc. In each semester Spoken tutorial Exam will be conducted during the periods June to Dec and Jan to April, before that, we used to conduct orientation programme for students and





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faculty members, Students can get certificate from IIT Bombay after completing the course. Students those who are not attended or failed will be conducting reexam.

DigiLocker or digital locker provides access to authentic virtual documents. It is a digital document wallet where you can store your documents such as driving licence, PAN card, Voter ID, policy documents, etc. You can upload the documents and keep these safe when you sign up for a DigiLocker account. Hands on training were conducted through this unit for staff and students to get more awarness of this portal and make them to create an account to store the digital documents. ABC (Academic Bank of Credits) ID created for the Students those who are admitted during 2021 – 2022. NAD (National Academic Depository) ID had created for the institutions and we started to upload the marks of 2020 – 2023 batch students in the NAD Portal. Three students were selected as NEP SAARPHI's,

E Content tool: ActivePresenter is a screencasting and eLearning software for Microsoft Windows and Mac OS X which can be used to create software demonstrations, software simulations, and quizzes. It allows exporting to a series of images, HTML slideshows, documents (PDF, Microsoft Word, Excel), Microsoft PowerPoint presentations, videos (AVI, MP4, WMV, WebM), Flash videos and interactive simulations for eLearning. Every semester workshop will be conducted for faculty members to create e-content using Active presenter, power point video editor, software etc... Edmodo, Edpuzzles were conducted for faculty members to make them to familiarize with e resources and this is mainly used to conduct e-quiz and e-puzzles.

The **SWAYAM PRABHA** is a group of 22 DTH channels devoted to telecasting of high-quality educational programmes on 24X7 basis using the GSAT-15 satellite. Every day, there will be new content 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-N, Gandhinagar. The contents are provided by NPTEL, IITs, UGC, CEC, IGNOU. Under this unit we used to give orientation for our students and faculty members to give an awareness about this DTH channels and Students are instructed to visit this website and listen the educational videos through this channel.



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NEHRU ARTS AND SCIENCE COLLEGE

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Massive Open Online Courses (MOOCs) are free online courses available for anyone to enroll. MOOCs provide an affordable and flexible way to learn new skills, advance your career and deliver quality educational experiences at scale. Millions of people around the world use MOOCs to learn for a variety of reasons, including: career development, changing careers, college preparations, supplemental learning, lifelong learning, corporate eLearning & training, and more. In each semester faculties and students are instructed to register the course and get the certficate.

Best Practices

- Semester wise Swayam course Registration for staff and students.
- ♣ Students can get earn extra credit point after completing the credit courses in Swayam portal.
- Swayam course made as compulsory for PG students.
- Spoken tutorial orientation is given to I, II and III year students.
- Spoken tutorial exam will be conducting every semester for students and faculty members.
- ♣ Hands on training used to conduct for staff and students to get more awarness of this portal and make them to create an account to store the digital documents. ABC (Academic Bank of Credits) ID created for the Students those who are admitted from 2021 2022.
- Every semester workshop will be conducted for faculty members to create e-content using Active presenter, power point video editing software etc. and used to conducting workshop / Hands on training in Edmodo, Edpuzzles for faculty members to make them to familiarize with e resources and this is mainly used to conduct e-quiz and e-puzzles.
- ♣ Giving awareness about the DTH channels and Students are instructed to visit this website and listen the educational videos through this channel.
- ➤ MOOCs are included for career development, changing careers, college preparations, supplemental learning, lifelong learning, corporate eLearning & training, and more. In each semester faculties and students are instructed to register the course and get the certificate.





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Evidences of Success

- ♣ Every semester 100% students and faculty members register the swayam course, and for PG it made as compulsory to make an extra credit.
- ♣ Students created digilocker ID to store all the documents and also Created ABC account.
- ♣ Faculty can create e-content on their own using Active Presenter tools.
- ♣ Academic year 2022-23 all faculties completed MOOCs

COMMITTEE MEMBERS

Name of the Director:

Mrs. M. Sheela Newsheeba, Assistant Professor, BCA

No. of Units Under Centre:

05

S. No.	o. Name of the Unit Name of the Faculty Coordinator					
1	Swayam / NPTEL	Ms. S. Santhi, Assistant Professor – Commerce				
2	Spoken Tutorial	ken Tutorial Mr. Senthil Kumar, Assistant Professor, CS				
3	E- Content Tools	Mrs. Anitha Merlin, Assistant Professor – CS				
4	Digital Initiatives and Implementation	Dr. K. Reena , Assistant Professor - Mathematics				
5	SwayamPrabha	Dr. Karthikeyan, Assistant Professor – IT & DCFS				

STUDENT MEMBERS- 2022 - 2023

S.No	Student Name	Class & Department		
1.	S. Dhanushyas	III B.SC CS		
2.	Archana p. R	III B.SC CS		
3.	V. Kalaiveni	III BCA A		
4.	P. Pavithra	III BCA B		
5.	L. Akash	II B.SC IT		
6.	R. Haripriya	II B.SC IT		
7.	Varun	II B.SC DCFS		
8.	K. Divya	II AI & ML		
9.	D. Sheeba Mary	II AI & ML		
10.	S. Anand Manoj	III B.SC CS(DS)		





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ACTIVITIES OF THE CENTRE 2022 - 23

S. No	Date	Name of the Activity	Number of Beneficiaries	Programme Outcome	
1	15.06.2022 to 28.04.2023	NPTEL / SWAYAM Certification	101	101 Students got certificates	
2	08.07.2022	Digilocker - ABC ID Orientation	770	770 Students created ABC ID account.	
3	22.09.2022	Orientation Program on Active Presenter	21	Able to Create E-content using this software.	
4	01.10.2022	Orientation Program on Spoken Tutorial Exam	1720	15 faculties attended and registered for 1720 students for re-exam.	
5	13.10.2022	Spoken Tutorial Exam	1414	1414 Students Completed the course and got certificates.	
6	15.06.2022 to 31.05.2023	MOOCs Certificates	3215	156 Staff 3059 Students completed online course and received certificate	
7	31.01.2023 to 01.02.2023	Infosys Springboard Orientation.	629	629 Students Participated	
8	01.02.2023 to 31.05.2023	Infosys Springboard Certificate	1185	1185 participants completed and got the certificate	
9	07.03.2023 to 15.03.2023	Swayam Prabha Orientation	2434	Acquired Knowledge from Subject Experts form DTH Channels Live Clas	

Staff & Students Achievements 2022 - 2023

S. No	School Name	Category	NPTEL /Swayam (ODD & EVEN)	Infosys Springboard	Spoken Tutorial	Spoken Tutorial (Credit Course)	Digilocker (ABC ID)	MOOC
1	School of	Staff	02	026				035
	Commerce	Student	33	390	237	164	561	820
2	School of	Staff	-	037				037
	Computational Sciences	Student	06	267	135	101	630	881
3	School of	Staff	-	05				015
	Creative Sciences	Student	02	30	173	60	180	289
4	School of Liberal	Staff	02	04				024
	Arts	Student	01	20	36	25	109	126
5 .	School of Life	Staff	-	015				031
	Sciences	Student	72	206	137	129	380	526
6	School of	Staff		07				011
	Management	Student	01	178	174	43	315	417
			119	1185	892	522	2175	3212





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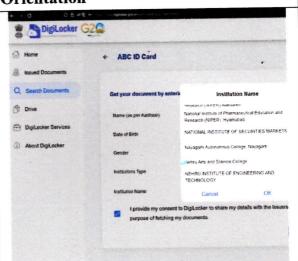
Events Photo Gallery



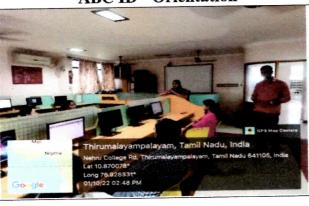


Active Presenter Orientation

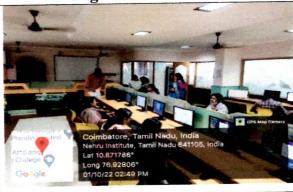




ABC ID - Orientation



Digilocker - ABC Id





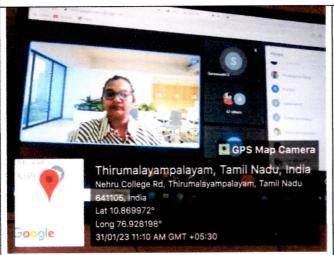


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Spoken Tutorial – Orientation





Infosys Springboard Briefing Session





Swayam Prabha Orientation





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Sample Certificates







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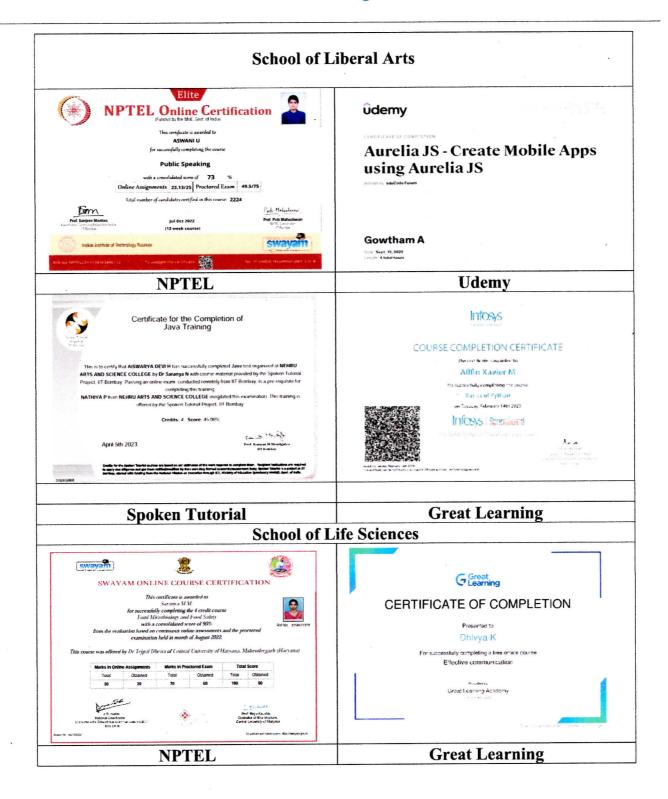




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