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28/01-20  
सूचना का अधिकार

भारत सरकार  
मानव संसाधन विकास मंत्रालय  
उच्चतर शिक्षा विभाग  
शास्त्री भवन  
नई दिल्ली - 110 115  
GOVERNMENT OF INDIA  
MINISTRY OF HUMAN RESOURCE DEVELOPMENT  
DEPARTMENT OF HIGHER EDUCATION  
SHASTRI BHAVAN  
NEW DELHI-110 115

Dr. Rakesh Sarwal, IAS  
Additional Secretary (TE)  
Tel: 011-23381097  
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D.O. No.17-03/2019-TEL

Dated:- 17.01.2020

Dear Director,

MHRD through the National Mission on Education through Information Communication and Technology (NMEICT) has undertaken many initiatives to leverage the potential of ICT, in providing high quality, personalized and interactive knowledge modules over the internet for all the learners in Higher Education Institutions in anytime, anywhere mode.

2. An overview of projects can be seen at link <https://mhrd.gov.in/ict-initiatives>. An annexure detailing the benefits of these projects and expectations from Institutions is attached.

3. I would request you to champion and popularise these initiatives. For any further clarification please contact the respective PIs, or Ms. Malathi Narayanan DS(ICT) at (011-2338 5220, email:- [nmalathi.edu@gov.in](mailto:nmalathi.edu@gov.in))

With regards,

Your sincerely,

*R*  
17.1.20

(Dr. Rakesh Sarwal)

To,

All Directors, IITs/IITs/NITs/IIMs/IISERs/IISc and other CFTIs

To: PGP Champion for information and adoption of any thing to popularize it. R.S.



## ANNEXURE

S.No.	Scheme	What it offers	For whom	Benefits/coverage	Expectations from Institutions	Contact Person Details
1.	SWAYAM ( <a href="http://www.swayam.gov.in">www.swayam.gov.in</a> )	Online (MOOC) UG/PG courses in all disciplines,  Aligned to University curriculum	Students, Teachers, Professionals, Informal learners.	<ul style="list-style-type: none"> <li>✓ Credit Transfer for students and career points for faculty</li> <li>✓ Certificate on passing the proctored exams in person</li> <li>✓ Courses are free</li> <li>✓ Mobile app available</li> <li>✓ Courses by eminent faculty in reputed institutions</li> <li>✓ Content available in regional languages</li> <li>✓ Helps prepare for competitive exams such as GATE, NET, etc</li> <li>✓ No limit on learners in any course - high numbers can be taught</li> <li>✓ Innovative and rigorous assessments</li> <li>✓ Strengthens foundations and application skills</li> <li>✓ Lab workshops for some theory courses for course takers</li> </ul>	<ul style="list-style-type: none"> <li>• Accept credit transfer from SWAYAM courses for students</li> <li>• Can be used by faculty in blended/flipped classroom mode for their students</li> <li>• Faculty can use it for Professional development and FDP points</li> <li>• Become a SWAYAM Local Chapter (no financials involved )</li> </ul>	<p>Details of 9 NCs available on website <a href="https://swayam.gov.in/nc_details/">https://swayam.gov.in/nc_details/</a></p> <p>Contact-1800 121 9025</p>
2.	SWAYAM Prabha ( <a href="http://www.swayamprabha.gov.in">www.swayamprabha.gov.in</a> )	32 DTH television channels, from high school to PG,	Students, Teachers, Professionals, Informal learners.	<ul style="list-style-type: none"> <li>✓ Mobile app available</li> <li>✓ Lectures by eminent faculty</li> <li>✓ Access from home</li> <li>✓ Available on DD free dish</li> </ul>	<ul style="list-style-type: none"> <li>• Setup DTH reception facilities in college for</li> </ul>	<p>Abhishek Kumar Scientist INFLIBNET Centre</p>

		4 hours fresh content every day, repeated 5 times. Aligned to University curriculum, Archival in YouTube.		<ul style="list-style-type: none"> <li>✓ Helps prepare for competitive exams like IIT-JEE.</li> <li>✓ Schedules available on portal</li> </ul>	<p>student and faculty to watch.</p> <ul style="list-style-type: none"> <li>• Can be used by faculty in blended/flipped classroom mode</li> </ul>	<p><a href="mailto:swayamprabha@inlibnet.ac.in">swayamprabha@inlibnet.ac.in</a></p> <p>Contact: +91 79-23268347</p> <p>Dr. Mangala Sunder Krishnan, <a href="mailto:mangal@iitm.ac.in">mangal@iitm.ac.in</a></p>
3.	e-Yantra ( <a href="http://e-yantra.org">e-yantra.org</a> ) <a href="https://www.e-yantra.org/">https://www.e-yantra.org/</a>	<p>Fun learning of Embedded Systems using Project Based Learning ("Learning by Doing");</p> <p>Promotes use of Open Source software through competitions</p>	Students, Teachers, Educational Institutions (Engg./ Science Colleges & Agricultuural Colleges) & Industry	<ul style="list-style-type: none"> <li>✓ Sharpens application skills</li> <li>✓ Confidence building</li> <li>✓ Team work</li> <li>✓ Creative &amp; Design thinking</li> <li>✓ Higher order thinking skills</li> <li>✓ Online learning resources for teachers and students with certification</li> <li>✓ Innovation community building</li> <li>✓ Industry mentors</li> <li>✓ Industry internships</li> <li>✓ Connectivity to industry through e-Yantra labs</li> </ul>	<ul style="list-style-type: none"> <li>• Train teachers at IITB</li> <li>• Setup e-Yantra lab</li> <li>• Become training hub for Embedded Systems, IoT, Robotics, etc.</li> <li>• Evolve into Innovation Hub with e-Yantra guidance</li> </ul>	<p>Prof. Kavi Arya <a href="mailto:support@e-yantra.org">support@e-yantra.org</a></p> <p>Contact : 022 2576 4986, 022-25720184</p>
4.	Virtual Labs <a href="http://www.vlab.co.in/">http://www.vlab.co.in/</a>	An interactive simulation environment to conduct experiments in various areas of	Students in technical institutions	<ul style="list-style-type: none"> <li>✓ Sharpens application skills</li> <li>✓ Creative thinking</li> <li>✓ Higher order thinking skills</li> </ul>	<ul style="list-style-type: none"> <li>• Train teachers</li> <li>• Become nodal centres</li> <li>• Use labs/contribute to labs</li> </ul>	<p>Prof Ranjan Bose <a href="mailto:support@vlab.co.in">support@vlab.co.in</a></p> <p>Contact:- 011-26582050</p>

		engineering and science				
5.	FOSSEE <a href="https://fossee.in/">https://fossee.in/</a>	Promoting use of open source software in educational institutions	Students in technical/non-technical institutions	<ul style="list-style-type: none"> <li>✓ Avoids proprietary software application</li> <li>✓ Sharpens skills</li> <li>✓ Higher order thinking skills</li> <li>✓ Contribute to Open Source Community</li> <li>✓ Certificates, honoraria, and recognition</li> <li>✓ Become better programmers</li> <li>✓ Large numbers can be trained</li> <li>✓ Migrate to Open Source labs</li> <li>✓ Employment opportunities</li> </ul>	<ul style="list-style-type: none"> <li>• Enable Open Source Software use.</li> <li>• Participation in FOSSEE activities and events</li> <li>• Participate in FOSSEE Fellowship</li> </ul>	Prof Kannan Moudgalya <a href="mailto:info@fossee.in">info@fossee.in</a> Contact:- (+91) 22 25764133
6.	Application of Spoken Tutorial <a href="http://spoken-tutorial.org">spoken-tutorial.org</a>	Provide IT training to a large number of students through self-learning and free/libre and open source software	Students & teachers	<ul style="list-style-type: none"> <li>✓ Sharpens application skills</li> <li>✓ Easy to learn</li> <li>✓ Higher order thinking skills</li> <li>✓ Vernacular students too learn</li> <li>✓ Teachers can be trained</li> <li>✓ Online certificates</li> <li>✓ Addresses lack of teachers</li> <li>✓ Paid membership ensures many tests to be taken online</li> <li>✓ Quality of faculty and students can improve</li> </ul>	<ul style="list-style-type: none"> <li>• Encourage participation by students.</li> </ul>	Prof Kannan Moudgalya <a href="mailto:contact@spoken-tutorial.org">contact@spoken-tutorial.org</a> Contact:- 91 22 25764229

				✓ Large numbers can be trained.		
7.	NDLI <a href="https://ndli.jitkgp.ac.in/">https://ndli.jitkgp.ac.in/</a>	Digital Library, open to all	Students, Professionals, Teachers, Informal learners of all academic discipline and all levels of education	<ul style="list-style-type: none"> <li>✓ Free &amp; full text access to books, articles, journals, video lectures, simulations, questions, solutions</li> <li>✓ 24x7 access</li> <li>✓ Ease of registration</li> <li>✓ Available in Indian languages</li> <li>✓ Mobile app available</li> <li>✓ Available in UMANG app</li> </ul>	<ul style="list-style-type: none"> <li>• Ask students to register in <a href="http://www.ndl.gov.in">www.ndl.gov.in</a> and use it regularly</li> <li>• Form NDLI clubs on campus</li> <li>• Wide publicity across institution</li> <li>• Integrate your digital content in NDLI</li> </ul>	<p>Mr. Rajendra Singh <a href="mailto:rajendra.singh1310@gmail.com">rajendra.singh1310@gmail.com</a></p> <p>Contact:- +91-3222-282435</p>
8.	e-SS <a href="https://ess.inflibnet.ac.in">https://ess.inflibnet.ac.in</a>	Aggregators of electronic journals	Students, Researchers and teachers.	<ul style="list-style-type: none"> <li>✓ Reputed journals like JSTOR, Springer Nature, oxford university press etc.</li> <li>✓ Access to members of eSS.</li> </ul>	<ul style="list-style-type: none"> <li>• Buy e-journals at Negotiated rates</li> <li>• Join as a member</li> </ul>	<p>Prof. J P Singh Joorel <a href="mailto:eshodhsindhu@inflibnet.ac.in">eshodhsindhu@inflibnet.ac.in</a></p> <p>Contact:- +91 79 2326 8240/41/42/43</p>
9.	PDS <a href="https://pds.inflibnet.ac.in">https://pds.inflibnet.ac.in</a>	Plagiarism Detection Software	Students, Researchers and teachers.	<ul style="list-style-type: none"> <li>✓ 1000+ universities/institutions across the country.</li> <li>✓ Better research outcomes</li> <li>✓ Better research outcomes</li> <li>✓ Reputation of the institution/university</li> </ul>	Encourage use of PDS.	<p>Prof. J P Singh Joorel <a href="mailto:pds.help@inflibnet.ac.in">pds.help@inflibnet.ac.in</a></p> <p>Contact:- +91 79 2326 8258 / 8255</p>

10.	ERP-SAMARTH	Open source, Open standard, Scalable, process automation engine for Universities and HEIs.	For Students, Teachers, administrators, Regulatory Bodies, MHRD	<ul style="list-style-type: none"> <li>✓ Ease of process</li> <li>✓ Transparency</li> <li>✓ Saving of resources</li> <li>✓ Proactive implementation</li> <li>✓ Plug-n-Play</li> <li>✓ Zero Technology Overheads</li> <li>✓ Single window information of all CU's</li> <li>✓ Decision Support System</li> </ul>	(currently being implemented in Central Universities) <ul style="list-style-type: none"> <li>• Encourage its usage by all stakeholders</li> <li>• Early adoption of the platform</li> <li>• Identify Samarth champions</li> </ul>	Dr. Sanjeev Singh <a href="mailto:sanjeev@south.du.ac.in">sanjeev@south.du.ac.in</a> Contact:- 011-2411 6753
11.	IRINS ( <a href="http://irins.inflibnet.ac.in">irins.inflibnet.ac.in</a> )	Research Information Management System	For Institutions and their teachers	<ul style="list-style-type: none"> <li>✓ Research performance of Institutes</li> <li>✓ Research profile of experts</li> <li>✓ Performance indicators based on research publications</li> </ul>	Registration at VIDWAN ( <a href="http://vidwan.inflibnet.ac.in">vidwan.inflibnet.ac.in</a> )	Prof. J P Joorel <a href="mailto:irins@inflibnet.ac.in">irins@inflibnet.ac.in</a> Contact:- +91 079 23268281