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 Pls, or Ms. Malathi Narayanan DS(ICT) at (011-2338 5220, email: nmalathi.edu@gov.in)

With regards,

Your sincerely,

(Dr. Rakesh Sarwal)

To,

All Directors, ITs/NITs/NITs/IIMs/IISERs/IISc and other GFTIs.

To, PGJ Champions for awareness and adoption of any such to popularise R.B.I.

150 YEARS OF CELEBRATING THE MAHATMA
<table>
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<tr>
<th>S.No.</th>
<th>Scheme</th>
<th>What it offers</th>
<th>For whom</th>
<th>Benefits/coverage</th>
<th>Expectations from Institutions</th>
<th>Contact Person Details</th>
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</table>
| 1     | SWAYAM             | Online (MOOC) UG/PG courses in all disciplines,     | Students, Teachers, Professionals, Informal learners. | ✓ Credit Transfer for students and career points for faculty  
✓ Certificate on passing the proctored exams in person Courses are free  
✓ Mobile app available  
✓ Courses by eminent faculty in reputed institutions  
✓ Content available in regional languages  
✓ Helps prepare for competitive exams such as GATE, NET, etc  
✓ No limit on learners in any course - high numbers can be taught  
✓ Innovative and rigorous assessments  
✓ Strengthens foundations and application skills  
✓ Lab workshops for some theory courses for course takers | • Accept credit transfer from SWAYAM courses for students  
• Can be used by faculty in blended/flipped classroom mode for their students  
• Faculty can use it for Professional development and FDP points  
• Become a SWAYAM Local Chapter (no financials involved) | Details of 9 NCs available on website https://swayam.gov.in/nc_details/  
Contact-1800 121 9025 |
| 2     | SWAYAM Prabha      | 32 DTH television channels, from high school to PG, | Students, Teachers, Professionals, Informal learners. | ✓ Mobile app available  
✓ Lectures by eminent faculty  
✓ Access from home  
✓ Available on DD free dish | • Setup DTH reception facilities in college for | Abhishek Kumar Scientist  
INFLIBNET Centre |
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| 4 hours fresh content every day, repeated 5 times, Aligned to University curriculum, Archival in YouTube. | Helps prepare for competitive exams like IIT-JEE.  
Schedules available on portal | student and faculty to watch.  
Can be used by faculty in blended/flipped classroom mode | swayamprabha@inflibnet.ac.in  
Contact: +91 79-23268347  
Dr. Mangala Sunder Krishnan, mangal@iitm.ac.in |
| 3. e-Yantra(www.e-yantra.org) Fun learning of Embedded Systems using Project Based Learning ("Learning by Doing"); Promotes use of Open Source software through competitions | Students, Teachers, Educational Institutions (Engg/Science Colleges & Agricultural Colleges) & Industry | Sharpens application skills  
Confidence building  
Team work  
Creative & Design thinking  
Higher order thinking skills  
Online learning resources for teachers and students with certification  
Innovation community building  
Industry mentors  
Industry internships  
Connectivity to industry through e-Yantra labs | Train teachers at IITB  
Setup e-Yantra lab  
Become training hub for Embedded Systems, IoT, Robotics, etc.  
Evolve into Innovation Hub with e-Yantra guidance | Prof. Kavi Arya  
support@e-yantra.org  
Contact: 022 2576 4906, 022-25720184 |
| 4. Virtual Labs(www.vlab.co.in) An interactive simulation environment to conduct experiments in various areas of | Students in technical institutions | Sharpens application skills  
Creative thinking  
Higher order thinking skills | Train teachers  
Become nodal centres  
Use labs/contribute to labs | Prof Ranjan Bose  
support@vlab.co.in  
Contact: 011-26582050 |
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<th></th>
<th>engineering and science</th>
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| 5. | FOSSEE | Promoting use of open source software in educational institutions | Students in technical/non-technical institutions | Avoids proprietary software | Enable Open Source Software use.  
Participation in FOSSEE activities and events  
Participate in FOSSEE Fellowship | Prof Kannan Moudgalya  
info@fossee.in  
Contact: (+91) 22 25764133 |
| | [https://fossee.in/](https://fossee.in/) | | | Sharpen application skills  
Higher order thinking skills  
Contribute to Open Source Community  
Certificates, honoraria, and recognition  
Become better programmers  
Large numbers can be trained  
Migrate to Open Source labs  
Employment opportunities | | |
| 6. | Application of Spoken Tutorial  
[spoken-tutorial.org](http://spoken-tutorial.org) | Provide IT training to a large number of students through self-learning and free/libre and open source software | Students & teachers | Sharpens application skills  
Easy to learn  
Higher order thinking skills  
Vernacular students can learn  
Teachers can be trained  
Online certificates  
Addresses lack of teachers  
Paid membership ensures many tests to be taken online  
Quality of faculty and students can improve | Encourage participation by students. | Prof Kannan Moudgalya  
contact@spoken-tutorial.org  
Contact: 91 22 25764229 |
<table>
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<tr>
<th>No.</th>
<th>Service</th>
<th>Access</th>
<th>Benefits</th>
<th>Additional Information</th>
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| 7.  | NDLI [https://ndl.iitkgp.ac.in/](https://ndl.iitkgp.ac.in/) | Digital Library, open to all | Large numbers can be trained. | - Free & full text access to books, articles, journals, video lectures, simulations, questions, solutions.  
- 24x7 access  
- Ease of registration  
- Available in Indian languages  
- Mobile app available  
- Available in UMANG app  
- Ask students to register in www.ndl.gov.in and use it regularly  
- Form NDLI clubs on campus  
- Wide publicity across institution  
- Integrate your digital content in NDLI. |
| 8.  | e-SS [https://ess.inflibnet.ac.in](https://ess.inflibnet.ac.in) | Aggregators of electronic journals | Reputed journals like JSTOR, Springer Nature, oxford university press etc. Access to members of eSS. | - Buy e-journals at Negotiated rates  
- Join as a member. |

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rajendra.singh1310@gmail.com

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+91-3222-282435

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joorel.eshodhsindhu@inflibnet.ac.in

Contact:-  
+91 79 2326 8240/41/42/43

Prof. J P Singh  
pds.help@inflibnet.ac.in

Contact:-  
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<th><strong>ERP-SAMARTH</strong></th>
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<td>10.</td>
<td>Open source, Open standard, Scalable, process automation engine for Universities and HEIs.</td>
<td>For Students, Teachers, administrators. Regulatory Bodies, MHRD</td>
<td>✓ Ease of process ✓ Transparency ✓ Saving of resources ✓ Proactive implementation ✓ Plug-n-Play ✓ Zero Technology Overheads ✓ Single window information of all CU's ✓ Decision Support System</td>
<td>(currently being implemented in Central Universities) • Encourage its usage by all stakeholders • Early adoption of the platform • Identify Samarth champions</td>
<td>Dr. Sanjeev Singh <a href="mailto:sanjeev@south.du.ac.in">sanjeev@south.du.ac.in</a> Contact: 011-2411 6753</td>
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<th><strong>IRINS</strong> (irins.inflibnet.ac.in)</th>
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<td>11.</td>
<td>Research Information Management System</td>
<td>For Institutions and their teachers</td>
<td>✓ Research performance of Institutes ✓ Research profile of experts ✓ Performance indicators based on research publications</td>
<td>Registration at VIDWAN (vidwan.inflibnet.ac.in)</td>
<td>Prof. J P Joshi <a href="mailto:irins@inflibnet.ac.in">irins@inflibnet.ac.in</a> Contact: +91 079 23268281</td>
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