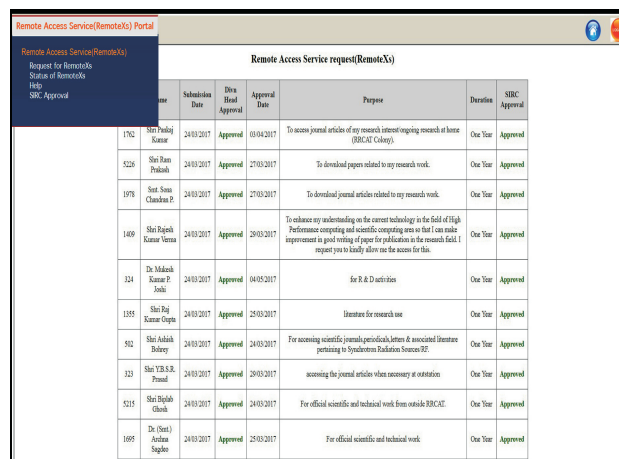


I.2: Remote access to eResources over internet

Scientific Information Resource Centre (SIRC) has deployed a service of remote access called 'RemoteXs', which enables authenticated access to online scientific information resources (eResources) over internet, from outside RRCAT technical / laboratory area. It is a gateway to access online resources subscribed by SIRC of RRCAT from outside RRCATNet. It provides library patrons a single window access to online resources from outside RRCATNet on web-browser enabled devices, having internet access. 'RemoteXs' also allows to analyze and optimize usage of available eResources and nurture research interests of scientists, engineers, faculties, research scholars and students.

In its continued endeavor to go digital and paperless, SIRC has enabled online access to large number of research journals and citation database from different international publishers. It provides perpetual access to only on-line version of many journals which includes access to complete back issues (archives) of journals from many prestigious international Science and Technology (S&T) publishers and societies like American Physical Society (APS), American Institute of Physics (AIP), Institute Of Physics (IOP), Optical Society of America (OSA), Science, Nature, Springer, Wiley etc. SIRC has also enabled access to Institute of Electrical and Electronics Engineers (IEEE) / Institution of Engineering and Technology (IET) Electronic Library (IEL) which includes all 179 IEEE journals (with complete back issues), 26 IET journals, 14000 IEEE conference titles and 2800 IEEE standards. It provides consortium based online access to 'Science Direct' which provides full-text access to around 3000 S&T journals published by Elsevier and its allied publishers. It also provides perpetual access to current issues with thirty years back files of the bibliographic and citation database 'Web-of-Science'.

Computer (PC) connected to RRCATNet, based on the registration of Internet Protocol (IP) addresses with the publishers as per the terms and conditions in the license agreements. From the research and academic point of view, these eResources are quite important and are required by the users for reference from anywhere, anytime. There was a growing demand from the users to have access to these eResources over internet with no time limitation. To overcome this limitation, a new facility 'RemoteXs' (Figure I.2.1) has been deployed. This facilitates access to eResources from outside RRCAT technical/laboratory area over internet. Scientists and engineers of the centre can now access the licensed eResources from anywhere at any time. It is now possible for the users to access the eResources from their home and also while they are out of station; anywhere in the country or abroad. They can now access the eResources using any of their personal net connected devices like laptops, tabs, smart phones etc. The access is authenticated and enabled through the proxy server of 'RemoteXs' service provider.



Sl. No.	Name	Submission Date	Date Head Approval	Approval Date	Purpose	Duration	SIRC Approval
1792	Shri Pradyumn Kumar	24/01/2017	Approved	03/04/2017	To access journal articles of my research interest/ongoing research at home (RRCAT Colony).	One Year	Approved
5226	Shri Poon Prakash	24/01/2017	Approved	27/01/2017	To download papers related to my research work.	One Year	Approved
1978	Shri Sunil Chandra P.	24/01/2017	Approved	27/01/2017	To download journal articles related to my research work.	One Year	Approved
1489	Shri Rajesh Kumar Verma	24/01/2017	Approved	29/01/2017	To enhance my understanding on the current technology in the field of High Performance computing and scientific computing areas so that I can make improvement in good writing of paper for publications in the research field I require you to kindly allow me the access for this.	One Year	Approved
324	Dr. Mahesh Kumar P. Joshi	24/01/2017	Approved	04/05/2017	for R & D activities	One Year	Approved
1265	Shri Raj Kumar Gupta	24/01/2017	Approved	25/01/2017	Intention for research use	One Year	Approved
592	Shri Ashish Bhatnagar	24/01/2017	Approved	24/01/2017	For accessing scientific journals,periodicals, letters & associated literature pertaining to Synchrotron Radiation Sources/PSF	One Year	Approved
323	Shri Y.B.S.S. Prasad	24/01/2017	Approved	29/01/2017	accessing the journal articles when necessary at workstation	One Year	Approved
5215	Shri Rajesh Ghosh	24/01/2017	Approved	24/01/2017	For official scientific and technical work from outside RRCAT.	One Year	Approved
1895	Dr. (Mrs) Jyoti Singh	24/01/2017	Approved	25/01/2017	For official scientific and technical work	One Year	Approved

Fig. I.2.2: Account activation status.

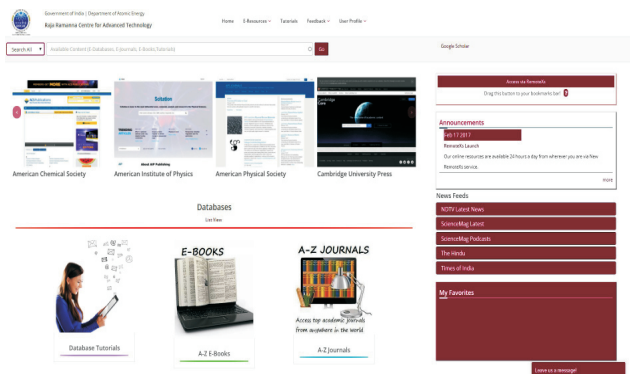


Fig. I.2.1: RemoteXs portal.

Prior to the deployment of 'RemoteXs', access to these vital subscribed (paid) licensed eResources was from any Personal

For availing this facility, users are required to obtain user-id and password on the proxy server 'RemoteXs'. For managing user accounts activation, deactivation, validity etc., a workflow based software system is developed by SIRC and deployed on RRCATInfonet. Interested users can apply for user-id and password using this online facility over RRCATInfonet. The on-line application form can be filled after authenticated login on RRCATInfonet and using the menu option at Online Applications -> Remote Access Service (RemoteXs). The workflow involves authenticated online application, approval by their respective Head of Division/ Independent Section (HoDIS) and automated e-mail messages regarding account activation status (Figure I.2.2).

Reported by:
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