



# INFLIBNET NEWSLETTER

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### IndCat

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

### SOUL

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

### VIDWAN

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

### e-ShodhSindhu

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

### N-LIST (E-resources for College)

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

### InfiStats: Usage Statistics Portal for e-Resource

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

### Indian Research Information Network System

<https://irins.org/irins/>

### e-PG Pathshala

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

### Vidya-Mitra: Integrated e-content Portal

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

### INFLIBNET's Institutional Repository

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

### Shodhganga

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

### ICT Skill Development Programmes

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

### INFED

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

### INFLIBNET Learning Management Service

<https://www.inflibnet.ac.in/ilms/>

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# निदेशक की कलम से

## From Director's Desk

### ( प्रिय पाठको )

आप सभी को स्वस्थ और समृद्ध नव वर्ष 2022 की हार्दिक बधाई एवं शुभकामनाएं। मुझे आशा है कि आप और आपके प्रियजन स्वस्थ हैं। जैसा कि आप सभी जानते हैं कि COVID-19 महामारी अभी खत्म नहीं हुई है और हम अपने देश में COVID की तीसरी लहर का सामना कर रहे हैं। मुझे विश्वास है कि आप सभी अपने कार्यस्थलों और घर पर सरकारी दिशानिर्देशों और उचित कोविड व्यवहारों का सख्ती से पालन कर रहे हैं।

मुझे आपके सामने वर्ष 2021 के लिए इनफ्लिबनेट न्यूज़लेटर की अंतिम तिमाही का अंक को प्रस्तुत करते हुए खुशी हो रही है। केंद्र अपनी मौजूदा प्रमुख गतिविधियों, सेवाओं और परियोजनाओं जैसे कि IRINS: इंडियन रिसर्च इंफॉर्मेशन नेटवर्क सिस्टम, INFLIBNET लर्निंग मैनेजमेंट सिस्टम (ILMS), ई-शोध सिंधु, नेशनल लाइब्रेरी एंड इंफॉर्मेशन सर्विसेज इंफ्रास्ट्रक्चर फॉर स्कॉलरली कंटेंट (N-LIST), शोधशुद्धि (PDS-Original), इंडिया रैंकिंग 2022 (NIRF), और ARIIA 2021 में देश में कोविड की तीसरी लहर के समय की रिपोर्ट की गई अवधि के दौरान पूरी तरह से व्यस्त था। यहां एक विशेष उल्लेख रखने के लिए, केंद्र में ARIIA टीम अभिनव उपलब्धियों पर संस्थानों की अटल रैंकिंग (ARIIA 2021) के तीसरे वर्ष के कार्य को सफलतापूर्वक निष्पादित करने में अथक रूप से काम करने में बहुत व्यस्त थी, जिसे माननीय राज्य शिक्षा मंत्री, डॉ सुभाष सरकार द्वारा 29 दिसंबर 2021 को लॉन्च किया गया था। रिपोर्ट की गई अवधि के दौरान N-LIST टीम ने उपयोग के आंकड़ों की रिपोर्ट करने के लिए एक नई विधि और N-LIST सदस्यता शुल्क के ऑनलाइन भुगतान के लिए CMP E-Collection (VAN) सुविधा लागू की है। और, इस अवधि के दौरान नेशनल इंस्टीट्यूशनल रैंकिंग फ्रेमवर्क (NIRF) के तहत इंडिया रैंकिंग 2022 से संबंधित कार्य शुरू हो चुका है।

केंद्र की टीम "नेशनल रिसर्च डेटा रिपोजिटरी (NRDR)" नामक एक नई परियोजना पर काम कर रही है, जिसमें भारत भर के शैक्षणिक और अनुसंधान संस्थानों के संकाय और शोध विद्वानों द्वारा तैयार किए गए शोध डेटासेट को जमा करने के लिए एक रिसर्च डेटा रिपोजिटरी बनाने की परिकल्पना की गई है। केंद्र ने NRDR का एक पायलट उदाहरण विकसित किया है और इसे आधिकारिक रूप से लॉन्च होते ही अकादमिक समुदाय के लिए उपलब्ध कराया जाएगा।

इस अवधि के दौरान, इनफ्लिबनेट केंद्र ने 06 संस्थानों के लिए अपनी निः शुल्क ILMS सेवा की तैनाती की जिसमें मंगलायतन विश्वविद्यालय, अलीगढ़; स्वामी विवेकानंद सुभारती विश्वविद्यालय, मेरठ; कॉटन विश्वविद्यालय, गुवाहाटी; कर्नाटक संस्कृत विश्वविद्यालय, बेंगलूर; दून विश्वविद्यालय, देहरादून; और जम्मू विश्वविद्यालय,



### Dear Readers

Wishing you all a very Happy and Prosperous New Year 2022. I hope that you and your loved ones are doing well. As you all know that the COVID-19 pandemic is not yet over and we are facing the COVID 3<sup>rd</sup> wave in our country. I believe that all of you are strictly following the government guidelines and appropriate Covid behaviours at your workplaces & home.

I'm glad to present before you the last quarter issue of the INFLIBNET Newsletter for the year 2021. The Centre was fully engaged in its existing flagship activities, services and projects such as IRINS: Indian Research Information Network System, INFLIBNET Learning Management System (ILMS), e-Shodh Sindhu, National Library and Information Services Infrastructure for Scholarly Content (N-LIST), Shodhshuddhi (PDS- Original), India Ranking 2022 (NIRF), and ARIIA 2021 during the reported period in the time of Covid third wave in the country. To keep a special mention here, the ARIIA team at the Centre was very busy working tirelessly in successfully executing the 3<sup>rd</sup> year exercise of the Atal Ranking of Institutions on Innovation Achievements (ARIIA 2021), which was launched by Hon'ble Minister of State for Education, Dr Subhas Sarkar on 29<sup>th</sup> December 2021. N-LIST team has implemented a new method for reporting usage statistics and the CMP E-Collection (VAN) facility for online payments of N-LIST membership fees during the reported period. And, the work related to India Rankings 2022 under the National Institutional Ranking Framework (NIRF) has already started during the period.

The team at the Centre is working on a new project called "National Research Data Repository (NRDR)" which envisages building up a Research Data Repository for depositing the research datasets generated by the faculty and research scholars from the academic and research institutions across India. The Centre has developed a pilot instance of NRDR and it will be made available to the academic community as soon as it is officially launched.

During this period, the INFLIBNET Centre deployed its free ILMS service for 06 institutions in the country including Mangalayatan University, Aligarh; Swami Vivekanand Subharti University, Meerut; Cotton University, Guwahati; Karnataka Samskrit University, Bangalore; Doon University, Dehradun; and University of Jammu, Jammu. The INFLIBNET Centre has created a total number of 378 IRINS



जम्मा शामिल है। केंद्र ने रिपोर्ट की गई अवधि तक संस्थानों के लिए कुल 378 IRINS के उदाहरण बनाए हैं, जिसमें रिपोर्ट की गई अवधि के दौरान 46 उदाहरण शामिल हैं। 31 दिसंबर 2021 तक, कुल 647 संस्थानों (विश्वविद्यालयों + सीएफटीआई) ने इनफ्लिबनेट केंद्र के साथ शोधगंगा पर समझौता ज्ञापन पर हस्ताक्षर किए हैं, जहां रिपोर्ट की गई अवधि के दौरान 23 समझौता ज्ञापन जोड़े गए थे। और, रिपोर्ट की गई अवधि के दौरान शोधगंगा भंडार में अपलोड किए गए शोधपत्रों की संख्या 10803 है, जबकि रिपोर्ट की गई अवधि के अंत तक भंडार में जमा किए गए शोधपत्रों की कुल संख्या बढ़कर 3,33,333+ हो गई है।

इनफ्लिबनेट केंद्र ने COVID-19 महामारी की अवधि शुरू होने के बाद से अल्पकालिक और दीर्घकालिक ऑनलाइन प्रशिक्षण कार्यक्रम और वेबिनार आयोजित करने के लिए कई पहल की हैं। इस रिपोर्ट अवधि के दौरान, केंद्र ने क्रमशः 4 – 8 अक्टूबर 2021, 22 से 26 नवंबर 2021, और 13 से 17 दिसंबर 2021 तक “SOUL 3.0 सॉफ्टवेयर संचालन” पर तीन ऑनलाइन प्रशिक्षण कार्यक्रम आयोजित किए। केंद्र ने 15 से 16 नवंबर, 2021 तक निफ्ट (NIFT) पुस्तकालय पेशेवरों और समन्वयकों के लिए “अनुसंधान नैतिकता, पीडीएस-शोधशुद्धि (PDS-ShodhShuddhi), और इनफेड (INFED)” पर दो दिवसीय विशेष प्रशिक्षण कार्यक्रम का आयोजन किया। इसके अलावा, इस अवधि के दौरान केंद्र ने दो सहयोगात्मक प्रशिक्षण कार्यक्रम/कार्यशालाएं: 4 से 8 अक्टूबर 2021 तक सयाजीराव गायकवाड़ पुस्तकालय, बनारस हिंदू विश्वविद्यालय, वाराणसी के सहयोग से “वेब-आधारित पुस्तकालय सेवाओं” पर पांच दिवसीय ऑनलाइन राष्ट्रीय कार्यशाला; और 13 से 18 दिसंबर 2021 तक गुजरात बायोटेक्नोलॉजी रिसर्च सेंटर (जीबीआरसी), गान्धीनगर के सहयोग से “अनुसंधान डेटा, और R प्रोग्रामिंग का उपयोग करके सांख्यिकीय विश्लेषण” पर पांच दिवसीय व्यावहारिक प्रशिक्षण कार्यक्रम आयोजित किए। केंद्र ने देश भर में भाग लेने वाले संस्थानों के सभी IRINS समन्वयकों/नोडल अधिकारियों के साथ जुड़ने के लिए चार क्षेत्रस्तरीय ऑनलाइन IRINS समन्वयक की बैठकें 2021: दक्षिण क्षेत्र-1; दक्षिण क्षेत्र-2; पूर्व, पश्चिम और उत्तर-पूर्वी क्षेत्र; और उत्तरी क्षेत्र के लिए क्रमशः 18 अक्टूबर 2021, 20 अक्टूबर 2021, 21 अक्टूबर 2021 और 22 अक्टूबर 2021 को आयोजन किया।

इनफ्लिबनेट केंद्र ने समन्वय संगठन के रूप में पश्चिमी क्षेत्र राज्यों जैसे पश्चिम बंगाल, महाराष्ट्र, गुजरात, गोवा, राजस्थान, मध्य प्रदेश, लक्षद्वीप और दादरा के लिए 29 दिसंबर 2021 को शिक्षा मंत्रालय के मार्गदर्शन में विश्वविद्यालय अनुदान आयोग द्वारा आयोजित ‘उच्च शिक्षा की नियामक प्रणाली पर राष्ट्रीय परामर्श: एनईपी, 2020 द्वारा परिकल्पित उत्कृष्टता और सार्वजनिक उत्साह को प्रोत्साहित करना’ की मेजबानी की।

इनफ्लिबनेट केंद्र ने अपने कर्मचारियों और उनके परिवार के सदस्यों के लिए 8 अक्टूबर 2021 को आयोजित गरबा रात के साथ नवरात्रि उत्सव को बड़े उत्साह के साथ मनाया।

मुझे यकीन है कि पाठकों को इनफ्लिबनेट न्यूज़लेटर के इस चौथे अंक को पढ़ने में अच्छा लगेगा, जिसमें रिपोर्ट की गई अवधि के दौरान इसकी प्रमुख गतिविधियों, सेवाओं और घटनाओं पर अपडेट शामिल हैं। मैं आपको विश्वास दिलाता हूँ कि टीम @INFLIBNET अपने उपयोगकर्ता समुदायों और हितधारकों की सेवा के लिए हमेशा मजबूत और तैयार रहेगी।

आप सभी को शुभकामनाएं! सुरक्षित रहें!

instances for institutions till the reported period including 46 IRINS instances that were created during the reported period. As on 31<sup>st</sup> December 2021, a total of 647 institutions (Universities + CFTIs) have signed MoU on Shodhganga with the INFLIBNET Centre where 23 MoUs were added during the reported period. And, the number of theses uploaded into the Shodhganga repository during the reported period is 10803, whereas the total number of theses deposited into the repository has grown up to 3,33,333+ till the end of the reported period.

The INFLIBNET Centre has taken many initiatives to conduct short-term and long-term online training programmes and webinars since the COVID-19 pandemic period started. During this reported period, the Centre conducted three Online Training Programmes on “SOUL 3.0 Software Operations” from 4<sup>th</sup> to 8<sup>th</sup> October 2021, 22<sup>nd</sup> to 26<sup>th</sup> November 2021, and 13<sup>th</sup> to 17<sup>th</sup> December 2021 respectively. The Centre organized a Two-day Specialized Training Programme on “Research Ethics, PDS-ShodhShuddhi and INFED” for NIFT Library Professionals and Coordinators from 15<sup>th</sup> to 16<sup>th</sup> November 2021. Also, the Centre conducted two Collaborative Training Programmes/Workshops, i.e. a Five-day Online National Workshop on “Web-based Library Services” in collaboration with Sayajirao Gaekwad Library, Banaras Hindu University, Varanasi from 4<sup>th</sup> to 8<sup>th</sup> October 2021; and a Five-day Hands-on Training Programme on “Research Data and Statistical Analysis using R Programming” in collaboration with Gujarat Biotechnology Research Centre (GBRC), Gandhinagar from 13<sup>th</sup> to 18<sup>th</sup> December 2021 during the reported period. The Centre organized four region-wise Online IRINS Coordinator's Meetings 2021 for South Region-1; South Region-2; East, West, & North-East Regions; and North Region on 18<sup>th</sup> October 2021, 20<sup>th</sup> October 2021, 21<sup>st</sup> October 2021, and 22<sup>nd</sup> October 2021 respectively to get connected with all the IRINS Coordinators/Nodal Officers of the participating institutions across the country virtually.

The INFLIBNET Centre as Coordinating Organization hosted the ‘National Consultation on Regulatory System of Higher Education: Encouraging Excellence and Public Spiritedness Envisaged by NEP, 2020’, organized by the University Grants Commission under the guidance of the Ministry of Education on 29<sup>th</sup> December 2021 for Western Zone states like West Bengal, Maharashtra, Gujarat, Goa, Rajasthan, Madhya Pradesh, Lakshadweep, and Dadra.

The INFLIBNET Centre celebrated the Navratri festival with great enthusiasm with a Garba night organized on 8<sup>th</sup> October 2021 for its employees and their family members.

I am sure that the readers would enjoy reading this fourth issue of the INFLIBNET Newsletter containing the updates on its major activities, services, and happenings during the reported period. I assure you that the team @INFLIBNET will always be standing tall and ready to serve its users communities and stakeholders.

Best wishes to you all! Stay Safe!



(J P Singh Joorel)



## INFLIBNET Online Training Programmes/Workshops

The INFLIBNET Centre has taken initiatives to conduct short and long term online training programmes due to the pandemic situation of Covid-19 across the country.

### Online Training Programmes on “SOUL 3.0: Installation and Operations”

#### 15<sup>th</sup> Online Training Programme on SOUL 3.0 Software Operations, INFLIBNET Centre, Gandhinagar, 4<sup>th</sup> - 8<sup>th</sup> October 2021

The 15<sup>th</sup> Online Training Programme on SOUL 3.0 Software Operations was organized by the INFLIBNET Centre, Gandhinagar from 4<sup>th</sup> - 8<sup>th</sup> October 2021. Mr Yatrik Patel, Scientist-E (CS), Dr H G Hosamani, Scientist-D (LS), Mrs Hema Cholin, Scientist-B (LS) and Ms Arti Sawale, STO-I (LS) coordinated the programme. A total of 41 participants attended the online training

programme. Mrs Hema Cholin, Scientist-B (LS), Mr Vijaykumar Shrimali, STO-I (CS), Mr Sanjay, STA-I (LS), Mr Sonu Kumar, and Ms Juhi Priyadarshi, Project Assistants (CS) were the resource persons for the hands-on training programme. The following topics were covered in the programme.

Topic	Resource Person
SOUL Administration Module	Mr Vijay Shrimali, STO-I (CS)
SOUL Cataloguing Module	Mr. Divyakant Vaghela, Scientist-C (CS)
SOUL Circulation Module	Mrs Hema Cholin, Scientist-B (LS)
SOUL Acquisition Module	Mr Swapnil Patel, Scientist-C (CS)
SOUL Serials Control Module	Mrs Hema Cholin, Scientist-B (LS)

## 16<sup>th</sup> Online Training Programme on SOUL 3.0 Software Operations, INFLIBNET Centre, Gandhinagar, 22<sup>th</sup> - 26<sup>th</sup> November 2021

The 16<sup>th</sup> Online Training Programme on SOUL 3.0 Software Operations was organized by the INFLIBNET Centre, Gandhinagar from 22<sup>th</sup> to 26<sup>th</sup> November 2021. Mr Yatrik Patel, Scientist-E (CS), Dr H G Hosamani, Scientist-E (LS), Mrs Hema Cholin, Scientist-B (LS) and Mr Vijaykumar Shrimali, STO-I (CS) coordinated the programme. A total of 28 participants attended the online

training programme. Mrs Hema Cholin, Scientist-B (LS), Mr Vijaykumar Shrimali, STO-I (CS), Mr Sanjay, STA-I (LS), Mr Sonu Kumar and Ms Juhi Priyadarshi, Project Assistants (CS) were the resource persons for the hands-on online training programme. The following topics were covered in the programme.

Topic	Resource Person
SOUL Administration Module	Mr Vijay Shrimali, STO-I (CS)
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SOUL Circulation Module	Mrs Hema Cholin, Scientist-B (LS)
SOUL Acquisition Module	Mr Swapnil Patel, Scientist-C (CS)
SOUL Serials Control Module	Ms Arti Sawale, STO-I (LS)

## 17<sup>th</sup> Online Training Programme on SOUL 3.0 Software Operations, INFLIBNET Centre, Gandhinagar, 13<sup>th</sup> - 17<sup>th</sup> December 2021

The 17<sup>th</sup> Online Training Programme on SOUL 3.0 Software Operations was organized by the INFLIBNET Centre, Gandhinagar from 13<sup>th</sup> to 17<sup>th</sup> December 2021. Mr Yatrik Patel, Scientist-E (CS), Dr H G Hosamani, Scientist-E (LS), Mrs Hema Cholin, Scientist-B (LS) and Ms Arti Sawale, STO-I (LS) coordinated the programme. A total of 27

participants attended the online training programme. Mrs Hema Cholin, Scientist-B (LS), Mr Vijaykumar Shrimali, STO-I (CS), Mr Sanjay, STA-I (LS), Mr Sonu Kumar and Ms Juhi Priyadarshi, Project Assistants (CS) were the resource persons for the hands-on online training programme. The following topics were covered in the programme.

Topic	Resource Person
SOUL Administration Module	Mr Vijay Shrimali, STO-I (CS)
SOUL Cataloguing Module	Mr Divyakant Vaghela, Scientist-C (CS)
SOUL Circulation Module	Mrs Hema Cholin, Scientist-B (LS)
SOUL Acquisition Module	Mr Swapnil Patel, Scientist-C (CS)
SOUL Serials Control Module	Ms Arti Sawale, STO-I (LS)



# Collaborative Training Programmes/ Workshops

## Five-day Online National Workshop on Web-Based Library Services, Banaras Hindu University, Varanasi, 4<sup>th</sup> - 8<sup>th</sup> October 2021

Five-day Online National Workshop on Web-based Library Services organized by Sayajirao Gaekwad Library, Banaras Hindu University, Varanasi in collaboration with INFLIBNET Centre, Gandhinagar from 4<sup>th</sup> to 8<sup>th</sup> October 2021. Dr Dewendra Kumar Singh, University Librarian, Banaras Hindu University worked as Chairman of the workshop and Dr Vivekanand Jain, Deputy Librarian worked as Organizing Secretary for the workshop. Dr Ramesh Chand, Director, Institute of Agricultural Sciences, Banaras Hindu University was the Chief Guest at the Inaugural function. The University Librarian of Banaras Hindu University, Dr Dewendra Kumar Singh, presided over the function. Dr Anil Agrawal, Deputy Librarian

welcomed all the participants. A total of 50 working senior library professionals were selected as participants from Central Universities, State Universities, IITs, and other Institutes of National Importance out of the vast pools of the interested list of applications received from across the country. For the workshop, the organizing committee thanked Prof. J P Singh Joorel, Director, INFLIBNET Centre and his team of Scientists for their full cooperation during the workshop. The program concluded with very good feedback from the participants. The certificates of attending the workshop were sent to all the participants. The following sessions were delivered online.

Topic	Resource Person
Research Ethics and Plagiarism Issues: UGC Policies/Guidelines	Mr Manoj Kumar K, Scientist-E (CS) INFLIBNET Centre
Introduction to ShodhShuddhi and Demo on OURIGINAL (URKUND) Software INFLIBNET with Team OURIGINAL	Mr Manoj Kumar K, Scientist-E (CS) and Dr Suboohi Siddiqui, Scientist-B (LS), with
Overview of Shodhganga: Indian Theses repository	Dr Suboohi Siddiqui, Scientist-B (LS), INFLIBNET Centre



Demo on Theses Uploading into Shodhganga	Dr Suboochi Siddiqui, Scientist-B (LS), INFLIBNET Centre and Team Shodhganga
IRINS and Vidwan	Mr Hiteshkumar Solanki, Scientist-C (CS), INFLIBNET Centre
E-resources: Access and Search Techniques	Dr Vivekanand Jain and Dr Manish Kumar Singh, BHU
E-ShodhSindhu: Resources in Consortia	Mr Ashok Kumar Rai, Scientist-E (CS), INFLIBNET Centre
SOUL 3.0 for Library	Mr Divyakant Vaghela, Scientist-C (CS), INFLIBNET Centre
Information Literacy	Dr Rajesh Singh, Librarian, University of Delhi
Anywhere Anytime Access of e-Resources using INFED	Mr Raja V, Scientist-C (CS), INFLIBNET Centre

Five-day Hands-on Training Programme on Research Data and Statistical Analysis using R Programming, Gujarat Biotechnology Research Centre, Gandhinagar, 13<sup>th</sup> - 18<sup>th</sup> December 2021





The hands-on training on “Research Data and Statistical Analysis using R Programming” was organised by Gujarat Biotechnology Research Centre (GBRC), Gandhinagar in collaboration with INFLIBNET Centre, Gandhinagar from 13<sup>th</sup> to 18<sup>th</sup> December 2021. This event was sponsored by Gujarat State Biotechnology Mission (GSBTM), Department of Science and Technology (DST), Government of Gujarat. A total of 10 participants were selected out of 32 applications were received, mainly consisting of students, research fellows (JRF, SRF, PhD scholars and post-doc fellows) and academicians (including assistant professor, technical assistants, and project manager). A pre-training quiz (comprising 30 MCQs) was conducted to get an idea about the

knowledge of the participants regarding the topics covered in the training. At the end of the day, a post-evaluation quiz was conducted to have an idea about the effectiveness of the training program. The analysis of participants’ performance revealed that their average score in the quiz improved from 53.70% to 76.02%. In the valedictory function joint directors of GBRC, Dr Madhvi Joshi and Dr Amrutlal K. Patel interacted with the participants to get feedback for the same and was followed by certificate distribution at the end.

The following topics were covered in the programme:

Topic	Resource Person
Data Types in R (Constants, vectors, matrix, data frame, list)	Mr Divyakant Vaghela, Scientist-C (CS) INFLIBNET Centre, Gandhinagar
Introduction to R Programming (Data Handling in R)	Mr Yatrik Patel, Scientist-E (CS), INFLIBNET Centre, Gandhinagar
Introduction to R Programming (Summary Measures and Built-in Functions)	Dr R D Chaudhari, Associate Professor M G Science Institute, Ahmedabad
Data Visualization using R	Dr R D Chaudhari, Associate Professor M G Science Institute, Ahmedabad
Statistical Analysis using R (Hypothesis Testing -I (Parametric))	Dr Parag Shah, Associate Professor, H L College of Commerce, Ahmedabad
Statistical Analysis using R (One way and Two-way ANOVA)	Dr Parag Shah, Associate Professor H L College of Commerce, Ahmedabad
Statistical Analysis using R (Simple and Multiple Regression Analysis)	Dr Parag Shah, Associate Professor H L College of Commerce, Ahmedabad
Statistical Analysis using R (Hypothesis Testing -II (Non-Parametric))	Dr R D Chaudhari, Associate Professor M G Science Institute, Ahmedabad
Deseq2	Mr Nitin Shukla, Jr. Research Fellow GBRC, Gandhinagar
Use of R in Biotechnology: Availability of various libraries and usage	Dr Sandhya Nanjani, Research Associate GBRC, Gandhinagar

# Region-wise Online IRINS Coordinator's Meeting 2021

The INFLIBNET Centre organized the following region-wise Online IRINS Coordinator's Meeting 2021. A total of 204 participants (Institute IRINS Coordinators and Nodal Officers) attended the meetings. Mr Kannan P, Scientist-E (LS) and Mr Pallab Pradhan, Scientist-C (LS) coordinated the programme. The main objective of these meetings was to get connected with all the IRINS Coordinators/Nodal Officers of the participating institutions across the country virtually. The

participants were given brief demonstrations about IRINS & the newly developed features and functionalities in the IRINS Dashboard. Five IRINS Coordinators/Nodal Officers in each meeting were invited to share their experiences & feedback on using IRINS and its benefits towards their own institutional academic & research community, and the support they are receiving from the Team IRINS@INFLIBNET Centre.

State/ Region	States Covered	Date	Speaker/ Moderator	Registration	Attendees
1	South Region-1: Telangana, Tamil Nadu, Andhra Pradesh and Pondicherry	18 <sup>th</sup> October 2021	Mr Kannan, P, Scientist-E (LS) / Mr Pallab Pradhan, Scientist-C (LS)	52	48
2	South Region-2: Karnataka, Kerala	20 <sup>th</sup> October 2021	Mr Kannan, P, Scientist-E (LS) / Mr Pallab Pradhan, Scientist-C (LS)	60	49
3	East, West, and North-East Region	21 <sup>st</sup> October 2021	Mr Kannan, P, Scientist-E (LS) / Mr Pallab Pradhan, Scientist-C (LS)	75	60
4	North Region	22 <sup>nd</sup> October 2021	Mr Kannan, P, Scientist-E (LS) / Mr Pallab Pradhan, Scientist-C (LS)	52	47

## Hosting of NEP Programme for Western Region

The INFLIBNET Centre as Coordinating Organization hosted the 'National Consultation on Regulatory System of Higher Education: Encouraging Excellence and Public Spiritedness Envisaged by NEP, 2020', organized by the

University Grants Commission under the guidance of the Ministry of Education on 29<sup>th</sup> December 2021 for Western Zone states: West Bengal, Maharashtra, Gujarat, Goa, Rajasthan, Madhya Pradesh, Lakshadweep, and Dadra.



# Current Status of INFLIBNET Projects

## Indian Research Information Network System (IRINS)

IRINS is a web-based Research Information Management (RIM) service provided to higher education institutions in India by INFLIBNET Centre. IRINS facilitates the academic, R&D organizations and faculty members, scientists to collect, curate and showcase the scholarly communication activities and provide an opportunity to create the scholarly network. The INFLIBNET Centre has created a total number of

378 IRINS instances for institutions till the reported period including 46 IRINS instances that were created during the period under report. IRINS has connected 66 thousands+ faculty members through this project. The project retrieved 12.28 lakhs+ of publications metadata from various sources and received 1,39 lakhs+ of citations & received 37.46 lakhs+ of Altmetrics mentions till the reported period.

## INFLIBNET Learning Management Service (ILMS)

INFLIBNET Learning Management Service (ILMS) is a service offered by the Information and Library Network Centre to institutions of higher education across the country. This service is being offered to all the Central, State and Deemed universities. Some of the core features are Course creation, Enrolment, Assignment & Assessment, Discussion forum, etc. During this reporting period, the

INFLIBNET Centre deployed its free ILMS service for 06 institutions in the country including Mangalayatan University, Aligarh; Swami Vivekanand Subharti University, Meerut; Cotton University, Guwahati; Karnataka Samskrit University, Bangalore; Doon University, Dehradun; and University of Jammu, Jammu.

## National Library and Information Services Infrastructure for Scholarly Content (N-LIST)

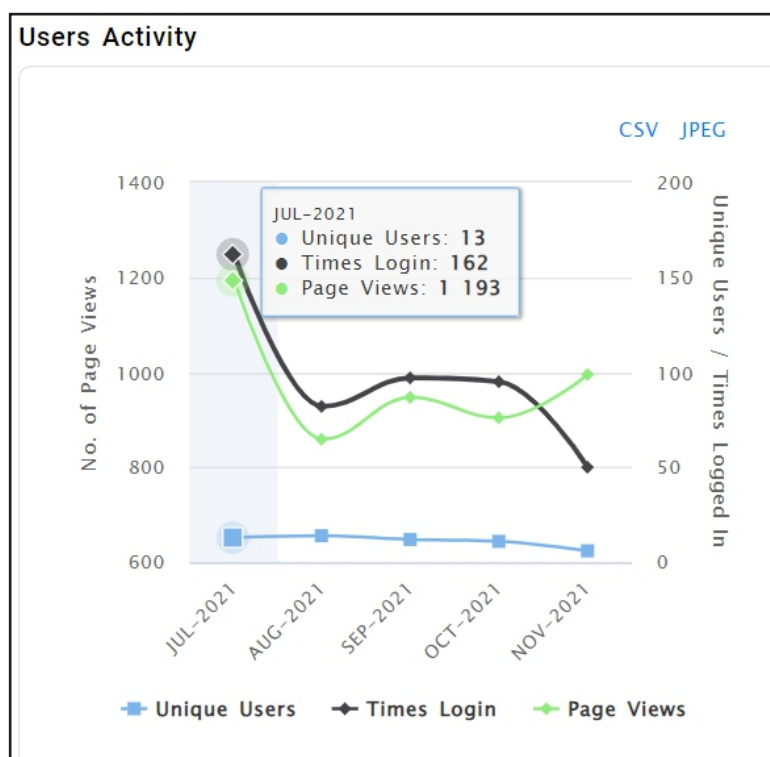
N-LIST programme is a college component of the e-ShodhSindhu Consortium. All colleges covered under Sections 12(B) and 2(f) of the UGC Act and Non-Aided colleges (except Agriculture, Engineering, Management, Medical, Pharmacy, Dentistry, and Nursing) can get access to e-resources under the N-LIST programme. The membership period is valid from April to March, every financial year. Usage statistics and Online payment CMP E-Collection (VAN) facility for NLIST membership fees have been implemented during the period under report.

### ❖ Usage Statistics

N-LIST Programme has implemented a new method for reporting usage statistics with the change in N-LIST Access Methodology from July 2021 and the old format is available for the

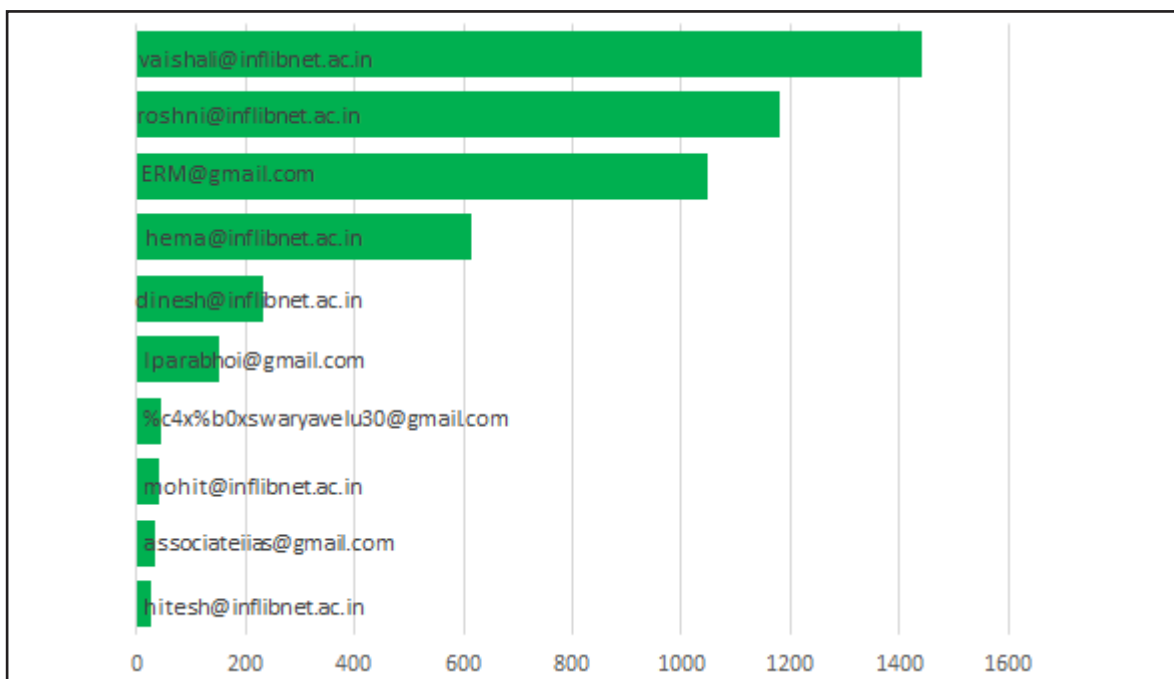
previous month and years also. Colleges can select the months to show the usage statistics. The new usage statistics now include page views and unique sessions for each user of the college based on the logs generated from N-LIST. Usage statistics of users are updated in the first week of every month. This feature is available under the Usage Statistic tab in the NLIST College Administrator Module.

Users Activity shows the unique users of that college who have access to e-resources, Times login shows how many times users have logged in and pages views show pages viewed by the users during that period. College can download the said information in CSV format as well as the chart in jpeg format for their reference.

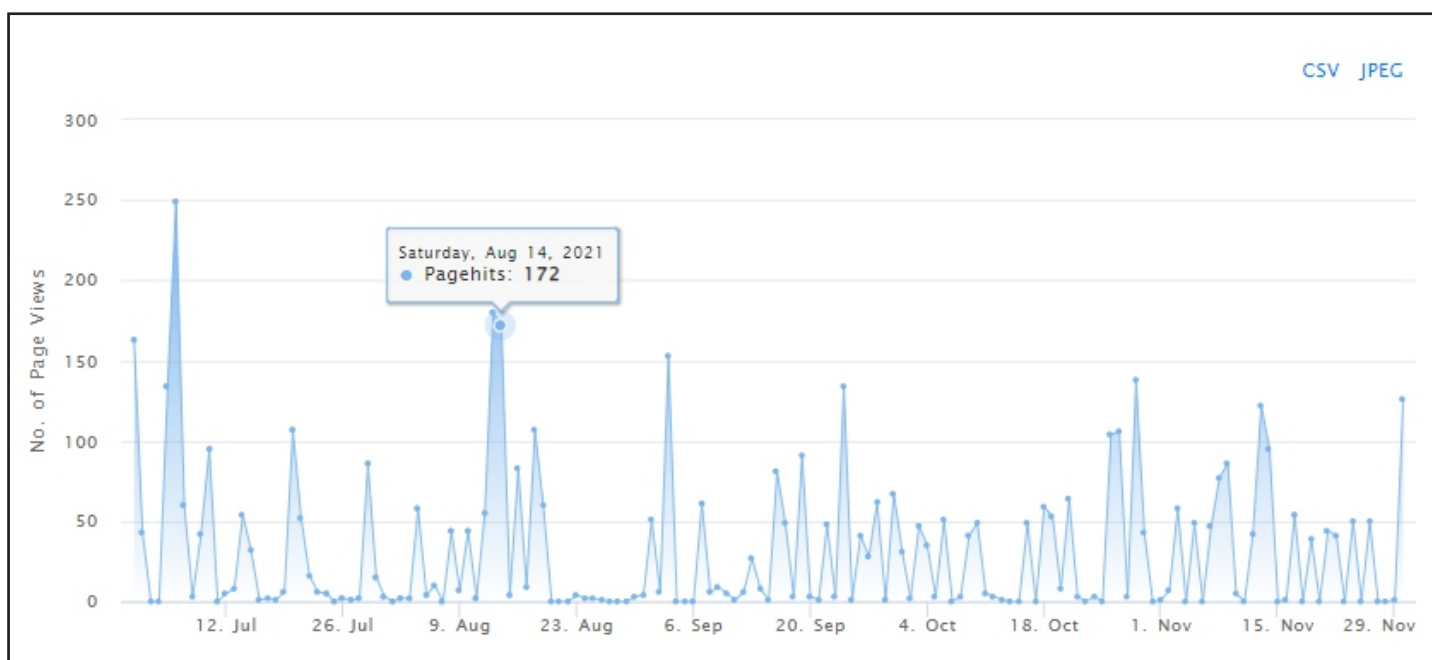


Colleges can download the data of the top 10 users in CSV format as well as save the chart in JPEG format of selected specific months for their reference.





Daily Page views indicate the pages visited by the users of the college. Daily Page views can be downloadable in CSV format and the chart in jpeg format.



Details of the usage statistics show the overall usage of the college of selected specific months and it can be exported in excel format. Colleges can maintain the list in ascending order or descending order to check the users' activity by clicking on the particular field mentioned in the table.

Detailed Usage Statistics						
Export		Search: inflibnet				
Name	Username	Department	Month	Year	Times Logged In	Page Views
Mrs. Hema	hema@inlibnet.ac.in	INFLIBNET and OTHER Members	11	2021	13	615
Mrs. Vaishali Parikh	vaishali@inlibnet.ac.in	INFLIBNET and OTHER Members	09	2021	13	568
Mrs. Vaishali Parikh	vaishali@inlibnet.ac.in	INFLIBNET and OTHER Members	10	2021	8	370
Roshni	roshni@inlibnet.ac.in	eshodhsindhu	07	2021	101	349
Roshni	roshni@inlibnet.ac.in	eshodhsindhu	10	2021	40	330
Mrs. Vaishali Parikh	vaishali@inlibnet.ac.in	INFLIBNET and OTHER Members	07	2021	6	310
Roshni Yadav	roshni@inlibnet.ac.in		11	2021	23	226
Mrs. Vaishali Parikh	vaishali@inlibnet.ac.in	INFLIBNET and OTHER Members	08	2021	4	192
Roshni	roshni@inlibnet.ac.in	eshodhsindhu	09	2021	43	161
Dinesh	dinesh@inlibnet.ac.in	INFLIBNET and OTHER Members	10	2021	9	113

Showing 1 to 10 of 27 entries (filtered from 56 total entries)

Previous 1 2 3 Next

Daily Page views indicate the pages visited by the users of the college. Daily Page views can be downloadable in CSV format and the chart in jpeg format.

#### ❖ Online payment CMP E-Collection (VAN) facility for NLIST membership fees

The NLIST programme adopted an online payment CMP E-Collection (VAN) facility for NLIST membership. Bank Account Number is unique and applicable for your college only. The Annual Membership fee shall be paid through CMP E-Collection (VAN) facility. A Virtual Account Number is a unique account number that is based on logic and masks the original account number.

Membership fees can be remitted to these virtual account numbers through Internet Banking,

Branch cash/cheque, NEFT, or RTGS modes. The virtual account no. is a combination of two parts – 'A' which is an institutes' masked account (character) and 'B' is a unique college id (digits). Proforma Invoice is available at NLIST website and it is mandatory to download the proforma invoice for all NLIST college Members as Virtual Account Number will be unique for all college members. Here, Colleges can be easily identified which have paid the membership fees through VAN, so that colleges can get access to NLIST e-resources immediately.

## Atal Ranking of Institutions on Innovation Achievements (ARIIA)

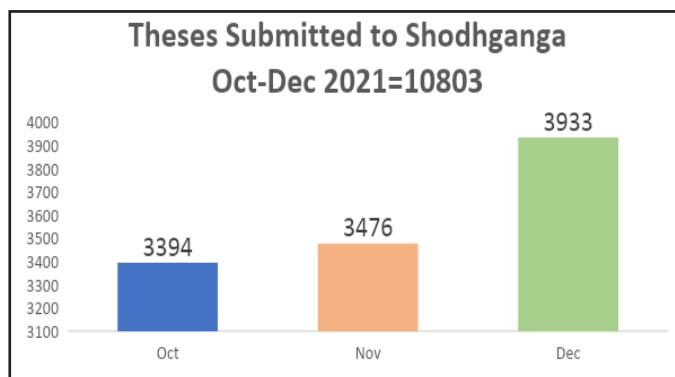


Atal Ranking of Institutions on Innovation Achievements (ARIIA) framework which was launched by Hon'ble Minister of State for Education, Dr Subhas Sarkar on 29<sup>th</sup> December 2021 during the reported period. The Centre is a technical partner of ARIIA project and has signed MoU with AICTE for the same.

## India Rankings 2021 under National Institutional Ranking Framework (NIRF)

The work-related to India Rankings 2021 under the National Institutional Ranking Framework (NIRF) started during the reported period. The INFLIBNET Centre has been given the task to execute the 7<sup>th</sup> exercise of NIRF i.e. India Rankings 2022. This year the pre-registration for institutions was started on 25<sup>th</sup> October 2021 and closed on 30<sup>th</sup> November 2021, and registration for institutions was started on 25<sup>th</sup> October 2021 and closed on 17<sup>th</sup> December 2021. The Data Capturing System (DCS) is now open from 21<sup>st</sup> December 2021 and will be closing on 11<sup>th</sup> February 2022. More than 5500+ Unique Institutions have registered for India Rankings 2022.

## Shodhganga: a reservoir of Indian theses



**Figure-1 shows the theses uploaded during October - December is 10803, whereas the total theses submitted to the repository has reached 3,33,333.**

Shodhganga a reservoir of Indian full-text theses from Indian Universities has grown progressively during the period under report. As on 31<sup>st</sup> December 2021, a total of 647 institutions (Universities + CFTIs) have signed MoU on Shodhganga with the INFLIBNET Centre where 23 MoUs were added during the reported period. The total number of theses deposited in the repository has grown up to 3,33,333 deposited/contributed by 513 Universities. Whereas in Shodhgangotri total of 8395 Synopsis/MRPs/PDFs/Fellowships have been submitted to the repository.

## ShodhShuddhi and Plagiarism Detection Software (PDS)

The Ministry of Education through its initiative ShodhShuddhi provides access to Plagiarism Detection Software (PDS) to all universities including Central, State, Deemed, and Private Universities, as well as Centrally funded Technical Institutions (CFTIs) in India through Central

funding to enhance academic integrity in academic institutions and to curb plagiarism, w.e.f. 01<sup>st</sup> September 2019. This program was launched by the Hon'ble Minister of Education during the CABE meeting in Vigyan Bhavan, New Delhi and it is being executed by INFLIBNET Centre, Gandhinagar. As on 31<sup>st</sup> December 2021, a total of 18,00,498 documents have been submitted for checking the Plagiarism by 1,21,887 users from 813 Universities/institutions. The rest of the Universities/institutions are either using any other software or research programmes that have not yet started there. URKUND

Becomes Ouriginal on 15<sup>th</sup> March 2021 and a new Web inbox was released on 15<sup>th</sup> March 2021.

#### ❖ PDS (Ouriginal) Usage Statistics

Afterwards of the lockdown relaxation, submission into PDS has increased as researchers and students are gradually coming back to research and academic activities. Figure-4 and 5 show the total & month-wise number of document submissions for plagiarism checks in the last 3 months (October-November-December 2021), and the average was 77,304.

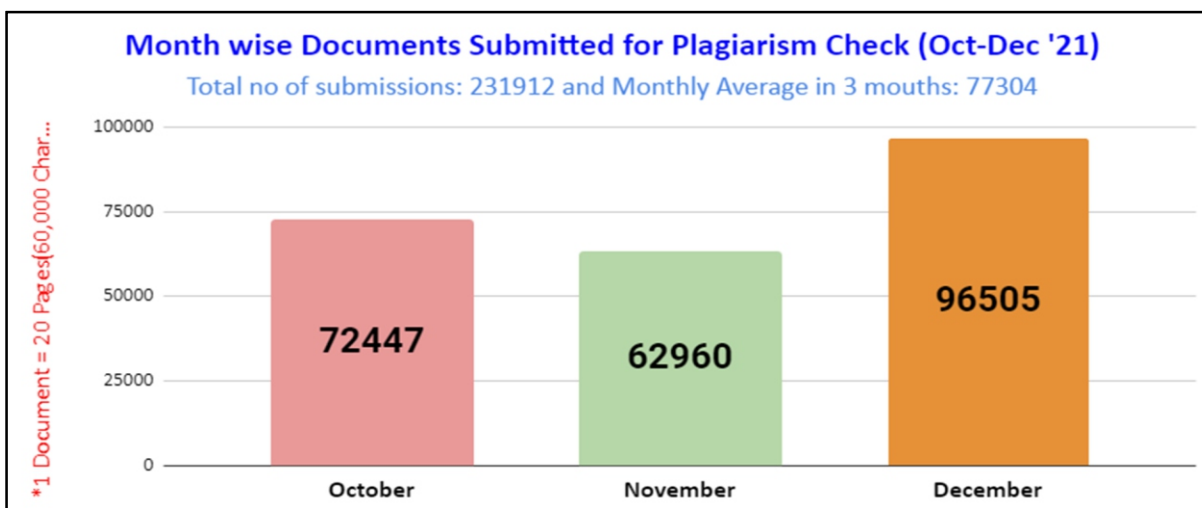


Figure-4: No. of Submissions in PDS month-wise (October-December 2021)

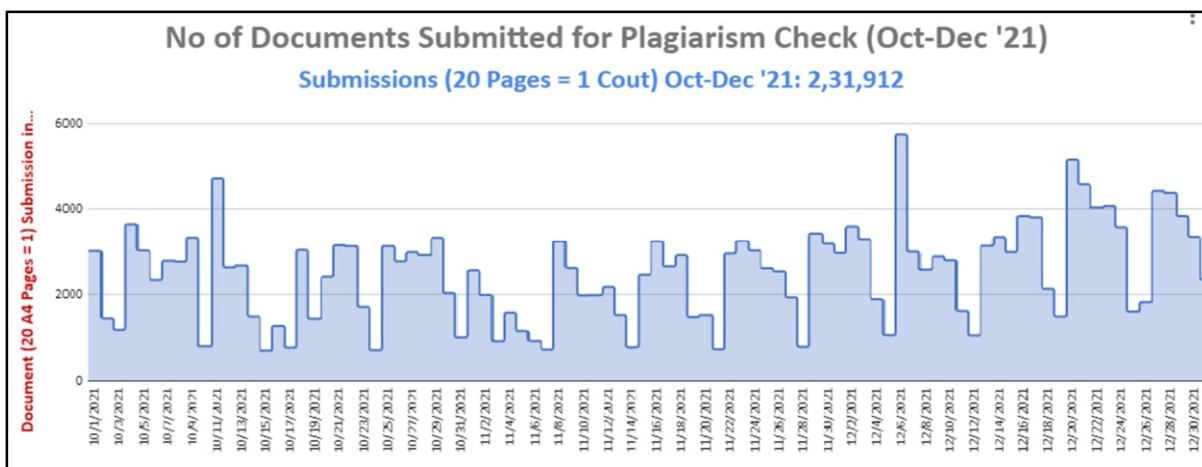
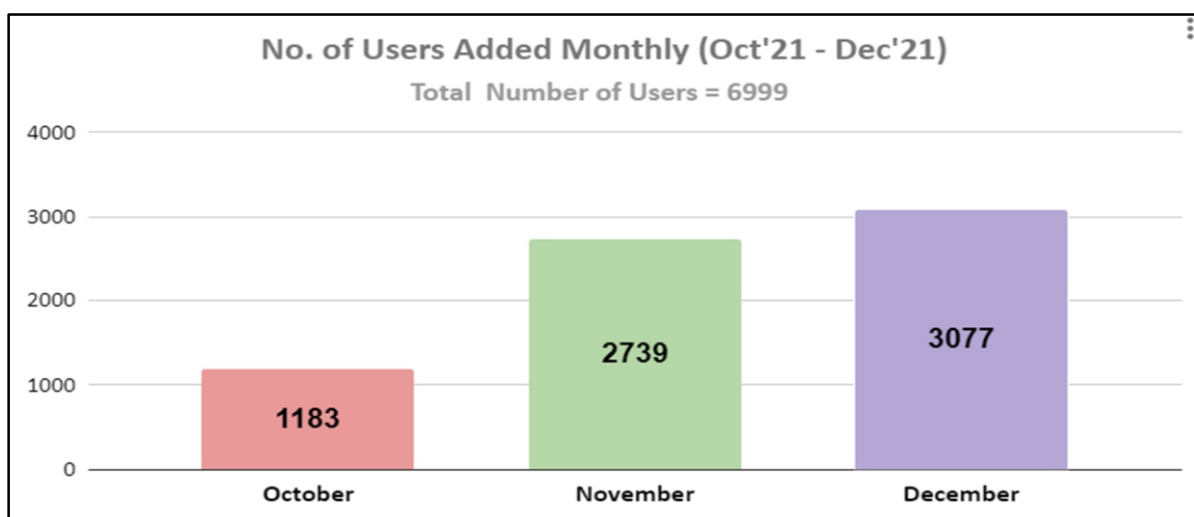


Figure-5: No. of Submissions in PDS month-wise (October-December 2021)





**Figure-5: No. of Users added Monthly**

The graph (Figure-5) shows the total number of users created/added in ShodhShuddhi to date are 1,21,887 users whereas the number of users added monthly (October-November-December,

2021=6999) are as follows (October= 1183, November= 2739, and December= 3077). PDS has a provision for 3 Lakhs users from all Universities.



## New Initiatives/Projects @ INFLIBNET Centre

### National Research Data Repository (NRDR)

The National Research Data Repository is envisaged to build up a Research Data Repository with the research datasets generated by the academic and research institutions from across India. The research data generated by the faculty and research scholars would be considered for

depositing into the NRDR. The National Education Policy 2020 (Point No. 24.4<sup>©</sup>) encourages online education and emphasizes the creation of digital repositories. The Centre has developed a pilot instance of NRDR and it will be made available to the academic community as soon as it is officially launched.

# Navratri Celebration

The INFLIBNET Centre celebrated the Navratri festival with great enthusiasm. The Garba night was organized for its employees and their families on 8<sup>th</sup> October 2021. The function started with the Durga Puja and everyone from the campus, staff members, and their families participated. The employees and their families turned out in their

best traditional attire for the Garba dance. Prof J P Singh Joorel, Director, INFLIBNET Centre distributed the prizes for the best dance performers, best-dressed persons, and children. The function concluded with the ceremonial dinner.





# Staff News

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## **Prof J P Singh Joorel, Director**

During this reported period, Prof Joorel attended the following meetings, events & workshops, and delivered the Inaugural addresses, keynotes & lectures as follows:

- Nominated as a Member on UGC Expert Committee to Prepare Guidelines for Setting Up Research & Development Cell in HEIs and its first meeting on 22<sup>nd</sup> October 2021 at UGC, New Delhi.
- Visited Achievers College of Commerce, Management, Night College, Kalyan, Mumbai, Maharashtra for its accreditation as Chairman, NAAC Peer Team on 26<sup>th</sup> – 27<sup>th</sup> October 2021.
- Attended the Panel discussion organized by the Department of Library and Information Sciences, University of Delhi, Delhi on 28<sup>th</sup> October 2021.
- Delivered keynote lecture in the International Conference jointly organized by the Department of LifeLong Learning, University of Rajasthan, Jaipur and Rajasthan Statistical Association on 13<sup>th</sup> November 2021.
- Delivered a lecture on “Development of Higher Education in Modern India and Future Prospects” under Benchmark Lecture Series organized by IQAC, University of Rajasthan, Jaipur on 13<sup>th</sup> November 2021.
- Attended the UGC Consultative Workshop on Developing Research Ecosystem and Setting

up Research & Development Cell in Higher Education Institutions on 15<sup>th</sup> November 2021 at SGT University, Gurugram.

- Delivered the inaugural address on IRINS during the launching of IRINS at Panjab University, Chandigarh on 15<sup>th</sup> November 2021.
- Delivered the inaugural lecture in International Conference on “Recent Advancements In Information Technology” Organized by Scientific Information Resource Division Indira Gandhi Centre for Atomic Research, Kalpakkam on 24<sup>th</sup> November 2021.
- Delivered a lecture on “Role of INFLIBNET in India’s Higher Education” in Faculty Induction Programme organized by UGC-Human Resource Development Centre, Jawaharlal Nehru University, New Delhi on 1<sup>st</sup> December 2021.
- Delivered the keynote lecture as Chief Guest on “The Role of INFLIBNET in Quality Control Processes of HEIs” organized by Manav Rachna International Institute of Research and Studies, Faridabad on 31<sup>st</sup> December 2021.
- **Mr Manoj Kumar K., Scientist-E (CS)**

Mr Manoj Kumar K was invited to deliver invited talks/lectures mentioned below:

- Delivered a lecture to the participants on the topic ‘Data & Knowledge Contours in HEI - Opportunities & Challenges’ in the UNESCO's

World Higher Education Conference-2022 organised by the SASTRA Deemed University, Tamilnadu in association with Association of Indian Universities (AIU) on 23<sup>rd</sup> October 2021.

- Delivered a lecture on the topic 'Address to students enrolled in UGC-Swayam MOOC course on Research Ethics' at Gandhi Institute of Technology and Management (formerly GITAM University), Visakhapatnam on 19<sup>th</sup> November 2021.
- Delivered a lecture on the topic 'INFLIBNET Resources' at Dr V S Krishna Library, Andhra University, Visakhapatnam on the occasion of Library Week 2021 (14<sup>th</sup> to 20<sup>th</sup> November) Seminar on 18<sup>th</sup> November 2021.
- Delivered a lecture on the topic 'URKUND Plagiarism Software' for research scholars, faculty members and doctors at Yenepoya (Deemed to be University), Karnataka on 12<sup>th</sup> November 2021.

➤ **Mr Yatrik Patel, Scientist-E (CS)**

Yatrik Patel was invited as a speaker by Prestige Institute of Management and Research for a webinar titled "Role of Libraries in Improving Quality at HEIs" on 23<sup>rd</sup> December 2021.

➤ **Dr Abhishek Kumar, Scientist-E (CS)**

Dr Abhishek Kumar was invited to deliver invited talks/lectures mentioned below:

- Delivered two lectures (INFLIBNET services & e-Learning) in the online Faculty Induction Programme (Guru Dakshata) on 18<sup>th</sup> December 2021 for University & College teachers organized by UGC-HRDC, DAVV, Indore.

- Delivered two lectures on INFLIBNET's services including e-Learning on 12<sup>th</sup> December 2021 as a resource person during the 8<sup>th</sup> Online Faculty Induction Programme conducted by UGC-HRDC, Sardar Patel University, Vidyanagar.
- Keynote speaker during a workshop on SWAYAM titled "Awareness of MOOCs Courses" conducted by Jharkhand Rai University, Ranchi on 11<sup>th</sup> December 2021.
- Delivered an invited lecture for enhancing the professional competence of University and College teachers in the "5<sup>th</sup> GURU DAKSHATA" - a Faculty Induction Programme organized by UGC-HRDC University of Allahabad for newly appointed faculty members on 20<sup>th</sup> November 2021.

➤ **Dr. Kruti Trivedi, Scientist-D (LS)**

Dr Kruti Trivedi delivered a lecture on the topic "Research Impact Metrics: Calculation and Context" and "Web of Science and Scopus" at the Indian Institute of Teacher Education (IITE), Gandhinagar on 5<sup>th</sup> December 2021.

**Mr Dinesh Ranjan Pradhan, Scientist-C (LS)**

Mr Dinesh Ranjan Pradhan was invited to deliver a lecture on the topic "Open Access Publishing" at the Indian Institute of Teacher Education (IITE), Gandhinagar on 04<sup>th</sup> December 2021.

**Dr Miteshkumar Pandya, Scientist-C (LS)**

Dr Miteshkumar Pandya was invited to deliver an online lecture on 'Journal Finder and Publication Misconduct' in the PhD Course work for the research scholars organized by the Indian Institute of Teacher Education, Gandhinagar on 23<sup>rd</sup> October 2021.



### **Mr Hiteshkumar Solanki, Scientist-C (CS)**

Mr Hiteshkumar Solanki was invited to deliver invited talks/lectures mentioned below:

- Delivered an online awareness session on Vidwan-IRINS organized by AISSMS College of Engineering, Pune on 04<sup>th</sup> October 2021.
- Delivered an online session on "One Sample and Two Sample test using R" in an Online ATAL Faculty Development Programme on "Data Analysis using R" organized by Babasaheb Bhimrao Ambedkar University, Lucknow during 25<sup>th</sup> - 29<sup>th</sup> October 2021.

### **Mr Pallab Pradhan, Scientist-C (LS)**

Mr Pallab Pradhan was invited to deliver invited talks/lectures mentioned below:

- Delivered two consecutive sessions as a resource person on the topics 'Citation Databases and Research Metrics', and 'Research Writing with Reference Management Tool-Mendeley' on 12<sup>th</sup> November 2021 in the Online Faculty Induction Programme conducted by the UGC-HRDC, Sambalpur University, Jyoti Vihar, Burla, Odisha from 1<sup>st</sup> - 28<sup>th</sup> November 2021.
- Delivered one session as a resource person on the topic 'Research Writing with Reference Management Tool-Mendeley' on 9<sup>th</sup> December 2021 in the Online Refresher Course in Chemistry conducted by the UGC-HRDC, Sambalpur University, Jyoti Vihar, Burla, Odisha from 2<sup>nd</sup> - 15<sup>th</sup> December 2021.
- Delivered an online guest lecture on Research Data Management, and Reference

Management tools on 29<sup>th</sup> December 2021 for the LLM Batch of Gujarat Maritime University, Gandhinagar.

### **Mr Dharmesh Shah, Scientist-B (CS)**

Mr Dharmeshkumar Shah was invited to deliver invited talks/lectures mentioned below:

- Organized an online meeting to discuss various Payment/Invoices issues with ESDS Software Solution Ltd (Cloud Service Provider) on 20<sup>th</sup> October 2021.
- Attended the online meeting to discuss the progress of the UGC e-Governance project with the UGC Team, New Delhi on 29<sup>th</sup> October and 18<sup>th</sup> November 2021.
- Attended the online meetings to discuss the progress of the Study In India new website development with EdCIL Team and Tekdi Technologies, New Delhi on 20<sup>th</sup>, 22<sup>nd</sup> & 27<sup>th</sup> October 2021, and 10<sup>th</sup> & 12<sup>th</sup> November 2021.
- Attended the online meeting to discuss the migration process of NTA Abhyas Server to INFLIBNET Centre with NTA Team, New Delhi on 13<sup>th</sup> November 2021.

### **Mrs Roma Asnani, STO-I (LS)**

Mrs Roma Asnani delivered an online lecture on the College Administration Module under the NLIST Programme to NLIST colleges Members of the Jharkhand region organized by RUSA, Jharkhand on 17<sup>th</sup> December 2021.

# New Appointments

## Dr Surbhi, Scientist-C (LS)



Dr Surbhi joined INFLIBNET Centre as Scientist-C (LS) on 8<sup>th</sup> November 2021. Prior to her present assignment, she has served the INFLIBNET Centre as Scientist-B (LS), Scientific & Technical Officer (LS), for a varied period since 2015. On her academic part, she has completed her PhD in Library and Information Science from the University of Delhi in 2020 and also completed her MPhil Degree from the Department of Library & Information Science, University of Delhi, Delhi in 2012. Currently, she is a team member of Shodhganga, Shodhgangotri, and ShodhShuddhi projects at the Centre. Her areas of interest are institutional repositories, ETDs, digitisation, Plagiarism Detection Software, etc.

## Mr. Rajan Kumar, Scientist-B (LS)



Mr. Rajan Kumar joined INFLIBNET Centre as Scientist- B (Library Science) on 14<sup>th</sup> October 2021. Before joining INFLIBNET Centre, he has also served at some of the esteemed organizations i.e. IIT Gandhinagar, IIT Jammu, IIT Delhi and FMS, New Delhi. He has completed graduation in B.Sc. (Hons.) Electronics and Post-Graduation in Library & Information Science from University of Delhi. He has also completed Post Graduate Diploma in Library Automation and Networking (PGDLAN) from IGNOU, New Delhi and qualified UGC-NET in Library & Information Science Subject. His area of interest includes - Emerging Technologies for Library Management and Services, Consortia based subscription of eResources, Institutional Repositories and ETD, Research Data Management, Research Support services, scholarly communication and Open Educational Resources.

# User's Speak

## For Shodhganga

Respected Sirs,

I extend my thanks to the 'Shodhganga team', Mr. Manoj Kumar, Dr. Singh, Dr. Mulla & the entire VTU (Visvesvaraya Technological University Belagavi, Karnataka) team for enabling the uploading of the Thesis and sharing the details with me herewith.

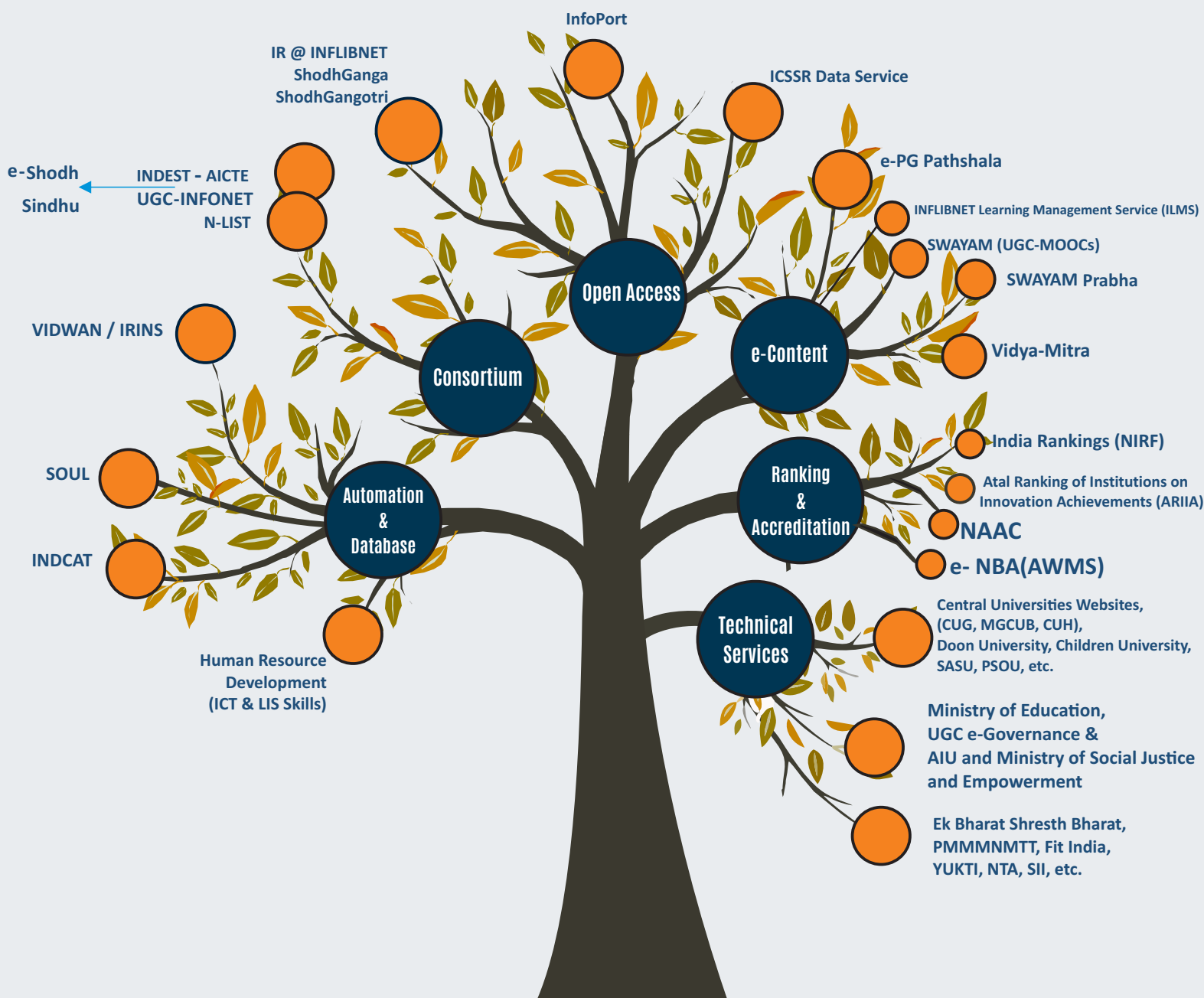
I appreciate the support and response. It's a privilege to have the thesis included with Shodhganga and also greatly thank VTU for enabling the research journey in a precise & novel way.

Wishing the very best to all. \_^\_

JAI HIND.

Thanks & regards,

Dr. Dakshayini R Patil



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