



# INFLIBNET NEWSLETTER

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# निदेशक की कलम से

## From Director's Desk



### ( प्रिय पाठकों )

वर्ष २०२० के इनफिलबनेट न्यूजलेटर की तीसरी तिमाही के अंक को आपके सामने प्रस्तुत करते हुए मुझे बहुत खुशी हो रही है। आंशिक कोविड लॉकडाउन के बावजूद, केंद्र अपनी विभिन्न मौजूदा प्रमुख गतिविधियों और सेवाओं के साथ अपनी पूरी गति के साथ अच्छी तरह से काम कर रहा था, और इस अवधि के दौरान कुछ नई परियोजनाओं को अपनी तह में लिया है। मुझे यह बताते हुए खुशी हो रही है कि केंद्र को "फिट इंडिया मूवमेंट" के लिए एक पोर्टल की डिजाइन, विकास और रखरखाव के लिए एक नई परियोजना सौंपी गई है, जो भारत सरकार के फिट इंडिया कार्यक्रम का समर्थन करने के लिए एमएचआरडी पहल है। इस परियोजना को ०३ वर्षों की अवधि के लिए या आवश्यकताओं के आधार पर आपसी समझ के अनुसार केंद्र को सौंपा गया है। इसके अलावा, केंद्र को इस अवधि के दौरान श्री श्री अनिरुद्धदेव खेल विश्वविद्यालय, डिब्रूगढ़, असम के लिए एक वेबसाइट के विकास, कमीशन और प्रबंधन के लिए एक परियोजना दी गई थी।

इस अवधि के दौरान, इनफिलबनेट सेंटर ने ०४ विश्वविद्यालयों के लिए अपनी निः शुल्क फ्लैट सेवा की तैनाती की जिसमें गुजरात केंद्रीय विश्वविद्यालय, गांधीनगर (मंगलवार ०७ जुलाई २०२० को लॉन्च किया गया); दक्षिण बिहार केंद्रीय विश्वविद्यालय, गया; महर्षि दयानंद विश्वविद्यालय, रोहतक (गुरुवार, ३० जुलाई २०२० को लॉन्च किया गया); और पंजाब केंद्रीय विश्वविद्यालय, बठिंडा (शुक्रवार ११ सितंबर २०२० को यूजीसी के माननीय अध्यक्ष, प्रोफेसर डी पी सिंह द्वारा लॉन्च किया गया) शामिल है। केंद्र ने दूरस्थ शिक्षा ब्यूरो – विश्वविद्यालय अनुदान आयोग के अपनी सभी गतिविधियों को स्वचालित करने के लिए एक वेब पोर्टल विकसित किया जो जिसका प्रो धीरेंद्र पाल सिंह, माननीय अध्यक्ष, यूजीसी द्वारा शुक्रवार, ६ अगस्त २०२० को आयोग के सदस्यों की उपस्थिति में लॉन्च किया गया। इसके अलावा, केंद्र ने एसोसिएशन ऑफ इंडियन यूनिवर्सिटीज़ (AIU) के लिए एक नया गतिविधि पोर्टल विकसित किया है जो श्री रमेश पोखरियाल 'निशंक', माननीय शिक्षा मंत्री द्वारा १७ अगस्त २०२० को शुरू की गई। यह पोर्टल वस्तुतः "रीइमेजनिंग इंडियन यूनिवर्सिटीज़" पर कुलपतियों के AIU राष्ट्रीय सम्मेलन के दौरान लॉन्च किया गया था।

रिपोर्ट के तहत कोविड लॉकडाउन अवधि के दौरान, इनफिलबनेट सेंटर ने अल्पकालिक और दीर्घकालिक ऑनलाइन प्रशिक्षण कार्यक्रम और वेबिनार आयोजित करने के लिए कई पहल की हैं। इस रिपोर्ट की अवधि के दौरान, केंद्र ने 'SOUL 2-0 की स्थापना और संचालन' पर दो ऑनलाइन प्रशिक्षण कार्यक्रम आयोजित किए, जिसमें SOUL 2-0 सॉफ्टवेयर के साथ २४ पीसी प्री-इंस्टॉल्ल्ड थे, जो प्रतिभागियों को कंप्यूटर लैब से AnyDesk एप्लिकेशन के माध्यम से रिमोट एक्सेस प्रदान किया गया था। इसके अलावा, केंद्र ने जुलाई और अगस्त २०२० में PDS & ShodhShuddhi पर १५ राज्य स्तरीय ऑनलाइन जागरूकता कार्यक्रमों का आयोजन किया, जिसमें सभी राज्यों और केंद्र शासित प्रदेशों से कुल ३३६३ प्रतिभागियों ने भाग लिया। केंद्र ने N-LIST द्वारा प्रदान किए गए ई-संसाधनों के प्रभावी उपयोग के लिए राज्य-वार सभी कॉलेज सदस्यों के लिए N-LIST के तहत ई-संसाधनों तक पहुंच पर ११ ऑनलाइन जागरूकता कार्यक्रमों का भी आयोजित किया। इस रिपोर्ट अवधि के दौरान शैक्षणिक और अनुसंधान से संबंधित विभिन्न विषयों पर कुल ०६ अल्पकालिक ऑनलाइन वेबिनार आयोजित किए गए। केंद्र ने तीन ऑनलाइन प्रशिक्षण कार्यक्रम आयोजित किए, २० – २४ जुलाई २०२० के दौरान 'बिब्लियोमेट्रिक्स एंड रिसर्च आउटपुट एनालिसिस' पर पांच दिवसीय उन्नत प्रशिक्षण कार्यक्रम, २६ – २८ अगस्त, २०२० के दौरान 'ई-लर्निंग: एलएमएस पर सामग्री निर्माण और होस्टिंग' पर तीन दिवसीय ऑनलाइन प्रशिक्षण कार्यक्रम, १४ – १८ सितंबर २०२० के दौरान 'आर प्रोग्रामिंग का उपयोग करते हुए अनुसंधान डेटा और सांख्यिकीय विश्लेषण' पर पांच दिवसीय ऑनलाइन राष्ट्रीय कार्यशाला। केंद्र ने १५ अगस्त २०२० को अपने सभी कर्मचारियों और उनके परिवार के साथ ७४ वॉ स्वतंत्रता दिवस मनाया।

मुझे यकीन है कि पाठकों को इनफिलबनेट न्यूजलेटर के इस नए अंक को पढ़ने में अच्छा लगेगा। और, मैं आपको विश्वास दिलाता हूँ कि इनफिलबनेट सेंटर की टीम हमेशा हमारे अकादमिक समुदाय को अपनी निर्बाध उत्कृष्ट सेवाएं और सहायता प्रदान करने पर केंद्रित रहेगी।

### Dear Readers

It's my pleasure to present to you the third-quarter issue of the INFLIBNET Newsletter of the year 2020. In spite of partial COVID lockdown, the Centre was functioning well with its full pace along with its various existing major activities & services, and has undertaken few new projects into its fold during this period. I am happy to share that the Centre has been assigned a new project to design, develop and maintain a portal for "Fit India Movement", an MHRD initiative to support the Fit India programme of the Government of India. The project has been assigned to the Centre for a period of 03 years or as per mutual understanding based upon requirements. Also, the Centre was given a project for developing, commissioning, and managing a website for Sri Sri Aniruddhadeva Sports University, Dibrugarh, Assam during the period.

During this period, the INFLIBNET Centre has deployed its free ILMs service for 04 Universities including Central University of Gujarat, Gandhinagar (launched on Tuesday, 07<sup>th</sup> July 2020); Central University of South Bihar, Gaya; Maharshi Dayanand University, Rohtak (launched on Thursday, 30<sup>th</sup> July 2020); and Central University of Punjab, Bathinda (launched on Friday, 11<sup>th</sup> September 2020 by Prof D P Singh, Hon'ble Chairman, UGC). The Centre has developed a web portal of the Distance Education Bureau - University Grants Commission to automate all its activities which was launched by Prof D P Singh, Hon'ble Chairman, UGC on Friday, 9<sup>th</sup> August 2020 in the august presence of the members of the Commission. Also, the Centre has developed a new activity portal for Association of Indian Universities (AIU) which was launched by Shri Ramesh Pokhriyal 'Nishank', Hon'ble Minister of Education on 17<sup>th</sup> August 2020. This portal was launched virtually during AIU National Conference of Vice-Chancellors on "Reimagining Indian Universities".

During this COVID lockdown period under report, the INFLIBNET Centre has taken many initiatives to conduct short-term and long-term online training programmes and webinars. During this report period, the Centre conducted two Online Training Programmes on 'Installation and Operations of SOUL 2.0' in which 24 PCs pre-installed with SOUL 2.0 software were provided to the participants from the Computer Lab via remote access through AnyDesk application. Apart from this, the Centre organized 15 State Level Online Awareness Programmes on PDS-ShodhShuddhi in the month of July and August 2020, in which a total of 3363 participants attended from all States and Union Territories. The Centre also conducted 11 Online Awareness Programme on Access to e-Resources under the N-LIST for all College Members state-wise for increasing effective use of e-resources provided by N-LIST. A total of 09 Short-term Online Webinars were conducted on different topics related to academic and research during this report period. The Centre conducted three online training programmes, i.e. a Five-Day Advanced Training Programme on 'Bibliometrics and Research Output Analysis' during 20<sup>th</sup> - 24<sup>th</sup> July 2020; Three-day Online Training Programme on 'e-Learning: Content Creation & Hosting on LMS' during 26<sup>th</sup> - 28<sup>th</sup> August 2020; and Five-day Online National Workshop on 'Research Data and Statistical Analysis using R Programming' during 14<sup>th</sup> - 18<sup>th</sup> September 2020. The Centre celebrated the 74<sup>th</sup> Independence Day on 15<sup>th</sup> August 2020 with all its staff members and their family.

I am sure that the readers would enjoy reading this new issue of INFLIBNET Newsletter. And, I assure you that the team at INFLIBNET Centre will always remain focused on providing its uninterrupted excellent services & support to our academic community.

(J P Singh Joorel)

# INFLIBNET Learning Management System

INFLIBNET Learning Management System (ILMS) is a service offered by the Information and Library Network Centre (An IUC of UGC) to the institutions of higher education across the country. This service is being offered to all the Central, State and Deemed universities on request basis. It provides pre-populated learning content, derived from e-PG Pathshala: A Gateway to PG Courses, as per the prevailing guidelines of UGC. It is one of the major initiatives of the Centre, which is playing a role of COVID warrior for the academic community.

Due to the Covid-19, the teachers and students are suffering the routine academic activities. This platform helps universities for their academic activities. The dedicated website is available at <https://www.inflibnet.ac.in/ilms/>. The Centre has deployed this LMS for Central University of Gujarat, Gandhinagar; Central University of South Bihar, Gaya; Maharshi Dayanand University, Rohtak; and Central University of Punjab Bathinda during this reported period.

## Launching of ILMS for Central University of Gujarat, Gandhinagar

The ILMS / Learning Management System (LMS) portal for Central University of Gujarat was unveiled by Prof Dharendra Pal Singh, Hon'ble Chairman, UGC (Chief Guest) in the presence of Prof Rama Shanker Dubey, Vice-Chancellor, CUG Gandhinagar and Prof J P Singh Joorel, Director, INFLIBNET.



Launching of ILMS for Central University of Gujarat, Gandhinagar on 7<sup>th</sup> July 2020

## **ILMS for Central University of South Bihar, Gaya**

The INFLIBNET Centre has extended its full support to the Central University of South Bihar, Gaya for its creation and implementation of the ILMS / Learning Management System (LMS) portal. Currently, the LMS has e-content related to 276 courses and 23 subjects in its portal.

## **Launching of ILMS for Maharshi Dayanand University, Rohtak**

The ILMS / Learning Management System (LMS) portal for Maharshi Dayanand University, Rohtak was jointly launched by Prof Rajbir Singh, Vice-Chancellor, MDU Rohtak and Prof J P Singh Joorel, Director, INFLIBNET on 30th July 2020. This digital platform was jointly created with MDU Rohtak to facilitate digital teaching-learning process. Under this initiative, e-content related to 337 courses, 46 subjects, of 29 departments of the said university, will be available on MDU website.

## **Launching of ILMS for Central University of Punjab, Bathinda**

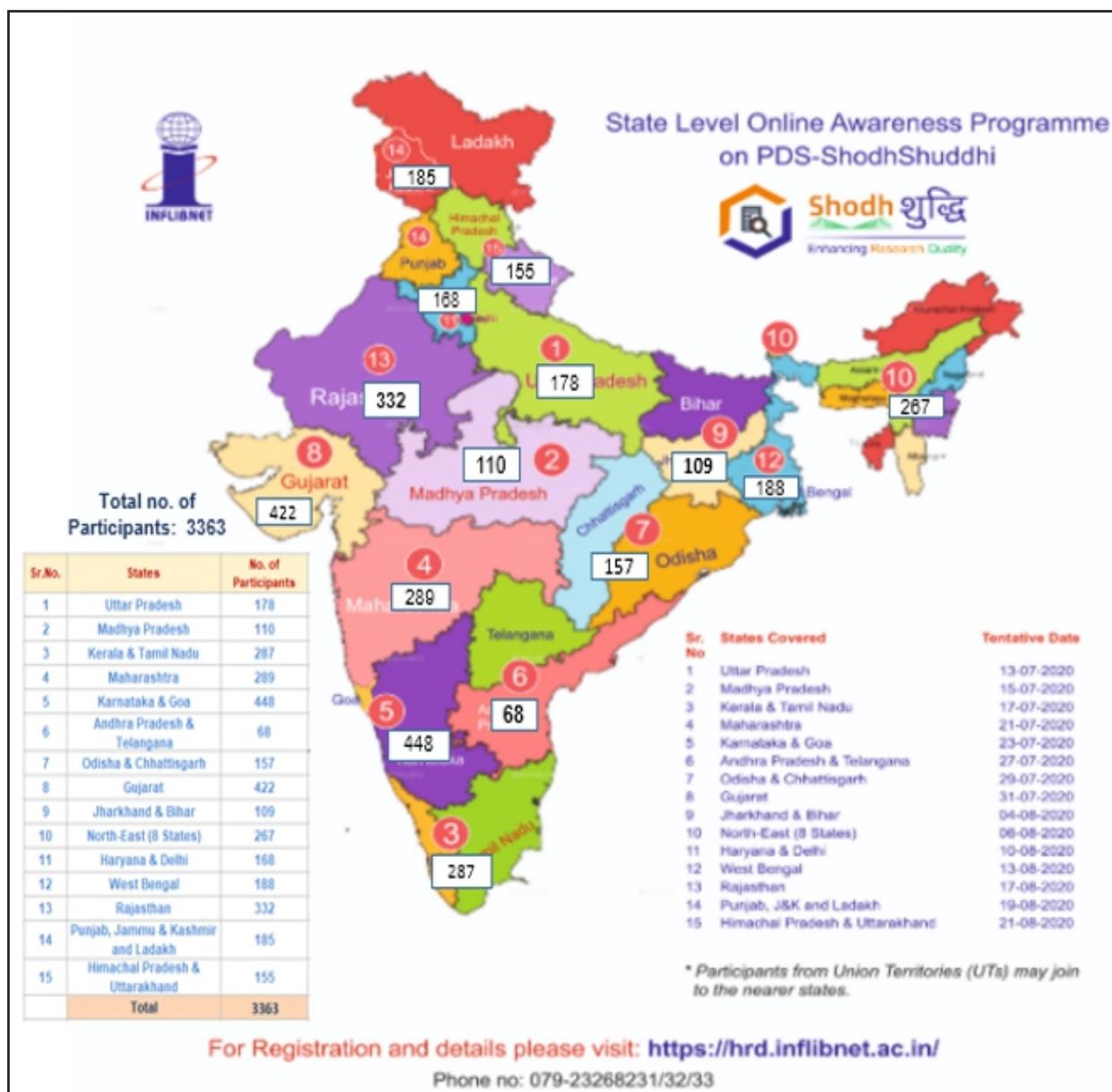
The ILMS / Learning Management System (LMS) portal for Central University of Punjab, Bathinda was launched on 11th September 2020 by Prof Dharendra Pal Singh, Hon'ble Chairman, UGC (Chief Guest) in the presence of Prof Raghavendra P Tiwari, Vice-Chancellor, CUP Bathinda and Prof J P Singh Joorel, Director, INFLIBNET (Guest of Honour). CUP Bathinda is the first University of Punjab and ninth in the country to successfully launch the ILMS / Learning Management System in collaboration with INFLIBNET Centre, Gandhinagar.



**Launching of ILMS for Central University of Punjab, Bathinda on 11<sup>th</sup> September 2020**

# State Level Online Awareness Programme on PDS-ShodhShuddhi

15 State Level Online Awareness Programme (PDS-ShodhShuddhi) were organized from 13 July to 21 August 2020 by INFLIBNET Centre, Gandhinagar. 3363 participants attended the programme conducted for all States and Union Territories. Mr. Manoj Kumar K, Scientist - E (CS) and Ms Suboohi Siddiqui, Scientist - B (LS) coordinated the programme with the support of M/s. eGalactic Team. During the programme, the Universities who have not signed MoU for Shodhganga as well as are not using PDS are identified.



Pan-India Level State level Programmes on PDS-ShodhShuddhi conducted by INFLIBNET Centre

Sl. No	States	Date	No. of Institutions	No. of Registrations	No. of Participants
1	Uttar Pradesh	13th July 2020	79	543	178
2	Madhya Pradesh	15th July 2020	68	257	110
3	Kerala & Tamil Nadu	17th July 2020	83	773	287
4	Maharashtra	21st July 2020	66	1020	289
5	Karnataka & Goa	23rd July 2020	72	1170	448
6	Andhra Pradesh & Telangana	27th July 2020	66	170	68
7	Odisha & Chhattisgarh	29th July 2020	60	434	157
8	Gujarat	31st July 2020	75	1055	422
9	Jharkhand & Bihar	04th August 2020	63	243	109
10	North-East (8 States)	06th August 2020	71	782	267
11	Haryana & Delhi	10th August 2020	77	451	168
12	West Bengal	13th August 2020	48	423	188
13	Rajasthan	17th August 2020	86	891	332
14	Punjab, Jammu & Kashmir and Ladakh	19th August 2020	48	412	185
15	Himachal Pradesh & Uttarakhand	21st August 2020	63	405	155
	Total		1025	9029	3363

**State-wise Registrations/Participants details in the Pan-India Level State level Programmes on PDS-ShodhShuddhi conducted by INFLIBNET Centre**

## Online Awareness Programmes on Access to e-Resources under N-LIST

INFLIBNET Centre has organized the following Online Awareness Programmes on Access to e-Resources under the N-LIST for all College Members state-wise for increasing effective use of e-resources provided by N-LIST.

Sl. No.	State / Region	Medium of Instruction	Date	Resource Person	No. of Registrations	No. of Attendees
1	Gujarat	Gujarati	24 <sup>th</sup> July 2020	Dr. Kruti Trivedi, Scientist C (LS)	480	324
2	Odisha	Odia	31 <sup>st</sup> July 2020	Mr. Dinesh Pradhan, Scientist C (LS)	413	260
3	Karnataka	Kannada	10 <sup>th</sup> August 2020	Mrs. Hema Cholin, Scientist B (LS)	847	432
4	Tamil Nadu	Tamil	14 <sup>th</sup> August 2020	Mr. Raja V., Scientist C (CS)	1274	577
5	Andhra Pradesh & Telangana	Telugu	21 <sup>st</sup> August 2020	Mr. K Siva Shankar, Scientist B (LS)	974	290
6	Madhya Pradesh, Chhattisgarh, Bihar, Jharkhand	Hindi / English	28 <sup>th</sup> August 2020	Mr. Ashok Kumar Rai, Scientist E (CS)	322	214
7	West Bengal & North-East Region	English	4 <sup>th</sup> September 2020	Mr. Ashok Kumar Rai, Scientist E (CS)	1998	890
8	Kerala	English	11 <sup>th</sup> September 2020	Mr. Ashok Kumar Rai, Scientist E (CS)	1052	549
9	Maharashtra & Goa	Hindi	15 <sup>th</sup> September, 2020	Mrs. Roma Yogesh Asnani, STO (LS)	1422	529
10	Rajasthan, Uttar Pradesh, Uttarakhand	Hindi	18 <sup>th</sup> September 2020	Dr Kruti Trivedi, Scientist C (LS)	137	94
11	Haryana, Himachal Pradesh, Delhi, Jammu & Kashmir, Ladakh	Hindi	21 <sup>st</sup> September 2020	Mrs. Roma Yogesh Asnani, STO (LS)	2031	322

**List of Online Awareness Programmes conducted on Access to e-Resources under the N-LIST for all College Members (\*Based on Webex Report)**

## Short-Term Online Webinars

The INFLIBNET Centre organized the following short-term Online Webinars for Universities and colleges using Cisco Webex platform and Google Meet application. The short-term Online Webinars were announced on INFLIBNET HRD portal and different Social Media platforms.

Sl. No	Dates	Name of online Webinar	Resource Persons	No. of Registration	No. of Attendees
1	3 <sup>rd</sup> July 2020	Metadata for ETDs & Shodhganga	Mrs. Suboohi S, Scientist B (LS)	51	38
2	17 <sup>th</sup> July 2020	UGC Plagiarism Policies, Penalties and Consequences	Mr Manoj Kumar K, Scientist E (CS)	525	150
3	31 <sup>st</sup> July 2020	e-Learning: Content Creation & Delivery using MOOCs Platform	Mr. Abhishek Kumar, Scientist D (CS)	32	32
4	11 <sup>th</sup> August 2020	IR and Cloud Hosting	Mr. Yatrik Patel, Scientist E (CS) and Mr. Swapnil Patel, Scientist C (CS)	469	148
5	14 <sup>th</sup> August 2020	Importance of Academic identities and VIDWAN	Mr. K Siva Shankar, Scientist B (LS)	348	150
6	28 <sup>th</sup> August 2020	Research Information Management System - IRINS	Mr. K Siva Shankar, Scientist B (LS)	235	150
7	17 <sup>th</sup> September 2020	Use of Reference Management System and Research Report Writing	Dr. Miteshkumar Pandya Scientist C (LS)	197	78
8	30 <sup>th</sup> September 2020	Data Conversion for SOUL Software	Mr. Yatrik Patel, Scientist E (CS) and Mr. Divyakant Vaghela, Scientist C (CS)	244	120

#### List of Short-Term Online Webinars conducted by INFLIBNET Centre

## INFLIBNET Online Training Programmes/Webinars

### Online Programme on SOUL 2.0: Installation and Operations

The INFLIBNET Centre has taken initiative to conduct short and long term online training programmes due to the pandemic situation of Covid-19 across the country. In this connection, two (2nd & 3rd) Online Training Programmes on Installation and Operations of SOUL 2.0 were conducted by the INFLIBNET Centre for those who have purchased the software and also interested participants on payment basis. The training programmes were announced on the website through HRD portal and emails were sent to SOUL users. A total of 50 participants were invited to join on availability of PCs to manage the practical sessions smoothly. The online theory and practical sessions were conducted through Google Meet.

For practical sessions, 24 PCs pre-installed with SOUL 2.0 software were provided to the participants from the Computer Lab via remote access through AnyDesk application. The live SOUL demonstration was also arranged parallelly through Google meet, for better interaction with all participants and technical staff of the Centre along with hands-on practice.

Sl. No.	Name of Programme	Date	No. of Participants
1	2nd Online Training Programmes on SOUL 2.0	6 <sup>th</sup> to 10 <sup>th</sup> July 2020	24
2	3rd Online Training Programmes on SOUL 2.0	31 <sup>st</sup> August to 4 <sup>th</sup> September	202026

## Online Advanced Training Programme on Bibliometrics and Research Output Analysis, 20<sup>th</sup>-24<sup>th</sup> July, 2020

The INFLIBNET Centre organized an Online Advanced Training Programme on Bibliometric and Research Output Analysis from 20th to 24th July 2020 using Google Meet Application. A total of 95 participants were registered for the programme. The training programme provided a sound overview of bibliometric methods, bibliometric data sources, data processing and performance indicators related to bibliometric analysis and mapping. It also provided awareness of most commonly used databases, i.e. Web of Science and Scopus. Special emphasis was given to advanced network analysis, interpretation and visualization of data. The programme also introduced R language for the analysis of various Bibliometric indicators, Biblioshiny, GUI for Bibliometric Analysis and VOS Viewer tool. On completion of the online training programme lecture wise feedback form was distributed to all the participants among which a total of 88 participants submitted their feedback.

The entire online programme was moderated by Dr Kruti Trivedi and Mr Hitesh Solanki. Details of the lectures delivered by experts during the training programme are as follows:

Date	Topic	Resource Person
20 <sup>th</sup> July 2020	Research Impact Metrics: Calculation & Context	Dr Kruti Trivedi, Scientist - C (LS)
	Graph Theory and Fundamentals for Network Analysis and Visualization	Mr Hitesh Solanki, Scientist - C (CS)
21 <sup>st</sup> July 2020	Advanced Search Techniques of Web of Science and Scopus	Dr Kruti Trivedi, Scientist - C (LS)
	Bibliometrix R Package: Descriptive Analysis (Demonstration)	Mr Hitesh Solanki, Scientist - C (CS)

Date	Topic	Resource Person
22 <sup>nd</sup> July 2020	Bibliometrix R Package: Network Analysis and Visualization (Demonstration)	Mr Hitesh Solanki, Scientist - C (CS)
	Biblioshiny: An R GUI for Bibliometric Analysis (Demonstration)	Mr Hitesh Solanki, Scientist - C (CS)
23 <sup>rd</sup> July 2020	Advanced Citation Analysis and Visualization using VOS Viewer (Demonstration)	Dr Kruti Trivedi, Scientist - C (LS)
	Beyond Citation Analysis: Altmetrics	Mr Pallab Pradhan, Scientist - B (LS)
24 <sup>th</sup> July 2020	Bibliometric Indicators and Rankings of University Research Performance	Mr Abhishek Kumar, Scientist - D (CS)
	Academic Identity with reference to ORCID ID and IRINS	Mr Siva Sankar, Scientist - B (LS)

## e-Learning: Content Creation & Hosting on LMS, 26<sup>th</sup>-28<sup>th</sup> August, 2020

The INFLIBNET Centre organized an Online Training Programme on e-Learning: Content Creation & Hosting on LMS from 26<sup>th</sup> to 28<sup>th</sup> August 2020 using Google Meet Application. A total of 32 participants were registered for and attended the programme. The programme provided a sound overview on the topics like e-learning, Learning Management System (LMS), MOOCs, SWAYAM platform along with hands-on practical to the participants.

The entire online programme was moderated by Mr Abhishek Kumar, Ms Shivani Joshi & Mr Brijesh Kothadiya, Project Staff supported to conduct the practical. Details of the lectures delivered by experts during the training programme are as follows:

Date	Topic	Resource Person
26 <sup>th</sup> August 2020	Introduction to e-Learning, Component. LMS and MOOCs LMS and its features (Hands-On: Installation)	Mr Abhishek Kumar, Scientist - D (CS)
27 <sup>th</sup> August 2020	LMS: Role as an Administrator (Hands-on after brief theory) LMS: Role as Teacher / Course Creator (Hands-on)	
28 <sup>th</sup> August 2020	LMS: Role as a Student (Hands-on after brief theory) MOOCs SWAYAM	

## Five-day Online National Workshop on Research Data and Statistical Analysis using R Programming, 14<sup>th</sup>-18<sup>th</sup> September, 2020

Five-day Online National Workshop on Research Data and Statistical Analysis using R Programming was organized from 14th to 18th September 2020 using Google Meet. Mr Hitesh Solanki, Mr Divyakant Vaghela, Scientist - C (CS) and Mr Yatrik Patel, Scientist - E (CS) coordinated the program. The aim of this Workshop was to provide knowledge about R Programming in understanding the concepts in data science and statistical analysis using R programming. The R programming language is one of the most widely used programming languages among data scientists and researchers. Details of lectures delivered by experts during the training program are as follows:

Topics	Name of the Experts
Introduction to R Programming & Data Types in R	Mr Divyakant Vaghela, Scientist - C (CS), INFLIBNET Centre
Data Structure – I (Vector, Array, Matrix)	
Data Structure – II (Data Frames, Lists)	
Data Handling in R (Importing TXT, CSV, MS Excel)	Mr Yatrik Patel, Scientist - E (CS), INFLIBNET Centre
Built-in Functions with R (Summary Measures)	Mr Hitesh Solanki, Scientist - C (CS), INFLIBNET Centre
Data Visualization using R (Bar diagram, Pie Diagram, Histogram, Box Plot)	
Hypothesis Testing-I (Parametric Test)	Dr R. D. Chaudhari, Associate Professor, M G Science Institute
Hypothesis Testing-II (Parametric Test)	
Statistical Analysis using R (Analysis of Variance)	Dr Dharmesh Raykundaliya, Assistant Professor, Sardar Patel University
Statistical Analysis using R (Non-Parametric Test)	

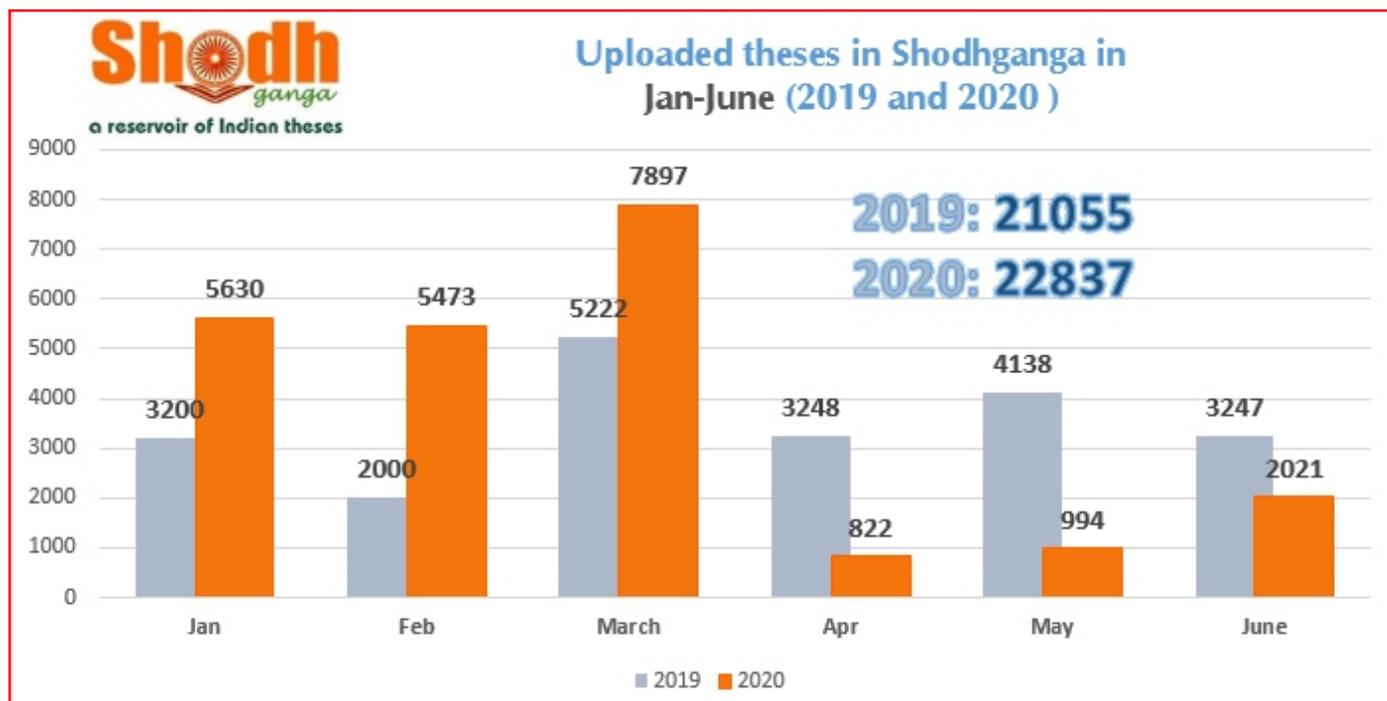
30 participants, including LIS professionals and research scholars successfully attended the program. INFLIBNET Centre conducted an online quiz with 25 MCQs after completion of the workshop. The e-certificates of participation were sent to all attendees.

# Current Status of INFLIBNET Projects

## Shodhganga Status During Lockdown

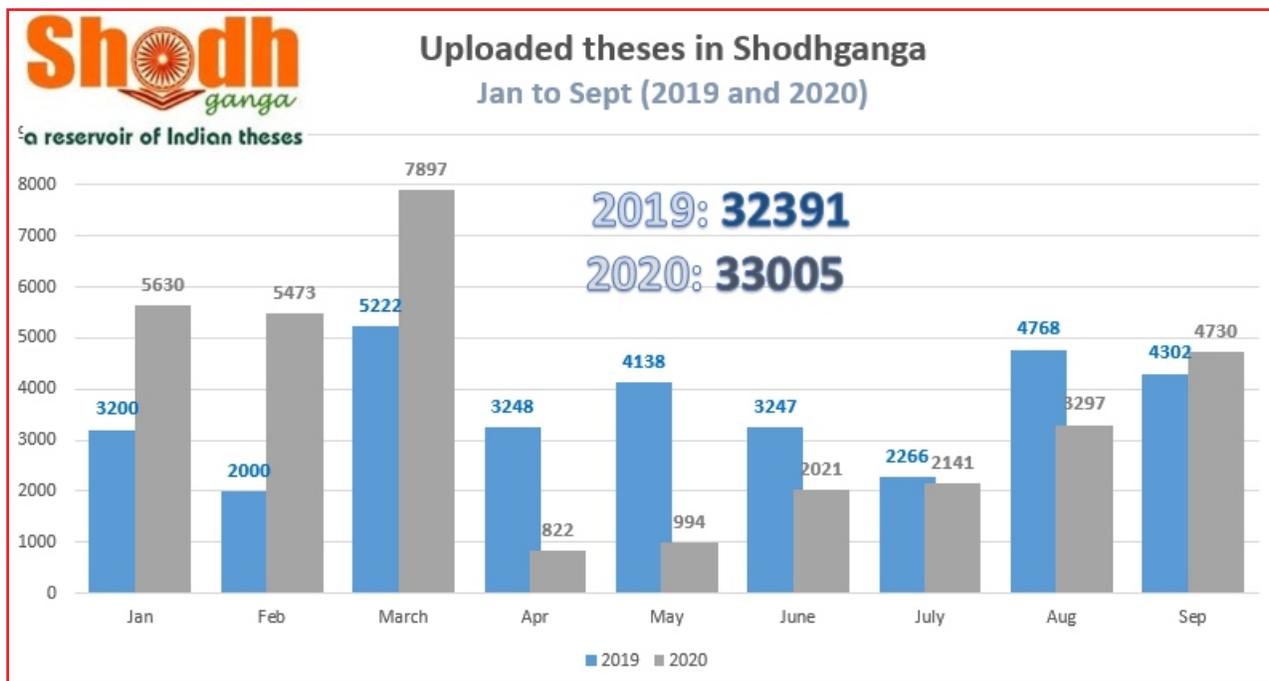
Shodhganga: a repository of full-text theses in Indian Universities has grown by leaps and bounds during the lockdown period under report. As on 30th September 2020, 528 universities have signed MoU on Shodhganga with the INFLIBNET Centre. Total number of theses deposited in the repository have grown to 2,83,000+ deposited from 460+ Universities.

Due to the lockdown, Universities and academic institutions across the country were closed, which has impacted their academic and research activities to a great extent. However, the status of Theses additions in Shodhganga shows that more theses were added during January - September 2020 (Lockdown period) into the repository when compared to the period of last January - September 2019.



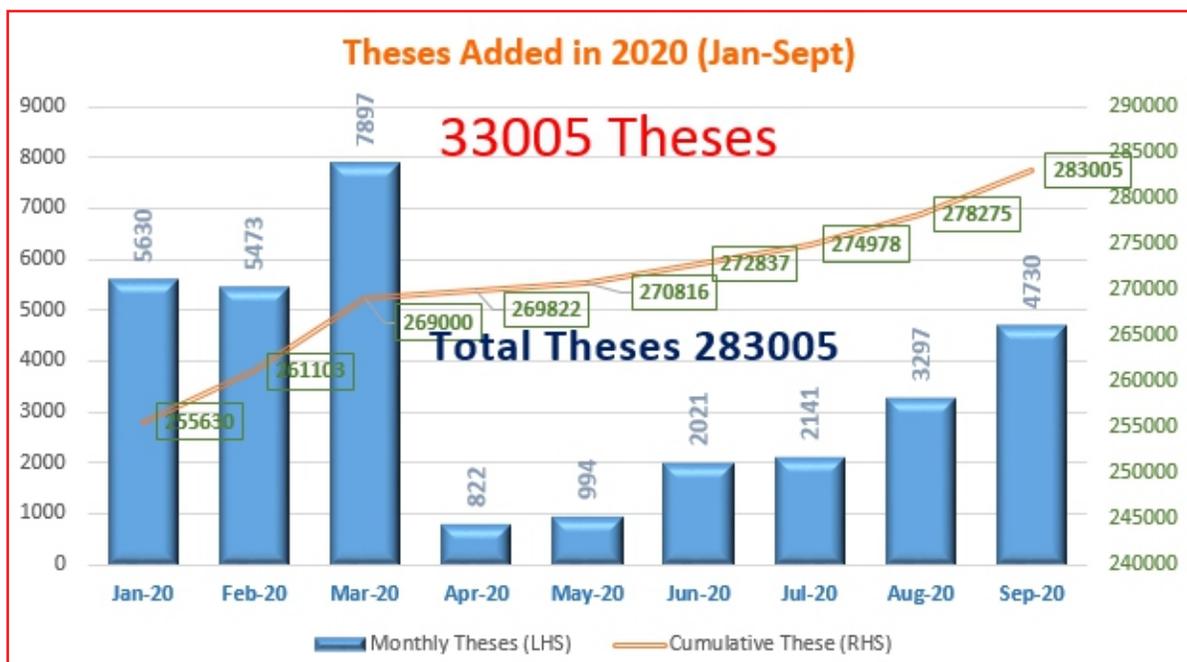
**Graph-1: Theses uploaded (January - September: 2019 and 2020)**

The Graph-1 shows that the number of Theses uploaded during last January - September 2019 was 32391 whereas the number of Theses uploaded during January - September 2020 is 33005 despite the lockdown period, which is 614 theses more than previous year's period.



**Graph-2: Theses uploaded (January - June: 2019 and 2020)**

Graph-2 shows that the number of Theses uploaded during last January - June 2019 was 21055 whereas the Theses uploaded during January - June 2020 is 22837 despite the lockdown period.



**Graph-3: Theses added in 2020 (January - September)**

Graph-3 shows that in 2020, 33000+ theses were added into Shodhganga till the reported period and the total number of theses has crossed 2,83,000. Hopefully, within a few months, the repository will be crossing the remarkable landmark of 3 Lakhs theses.

## New Feature Added to Shodhganga Website

Shodhganga using DSpace as its basic platform is customized by our Centre with ingestion interface for uploading theses. The basic storage of theses is in the bitstream of Asset Store in DSpace Architecture.

Whenever an online query is received, DSpace compiles the bitstream file as a PDF and delivers it to the user. The thesis file splitting to the various chapters for upload and download to save bandwidth since the beginning. The search such as the long URL which generally does not have a title and metadata, this long-pending issue is addressed by developing Pop-up citation details with proper metadata. This feature also has the facility to download the citation in a common exchangeable standard format such as BibTeX as shown below in Figure-1.

Citation Details	
Please use this link for citation	<a href="http://hdl.handle.net/10603/18612">http://hdl.handle.net/10603/18612</a>
Title of the Thesis	A citation analysis of doctoral dissertation in library and information science accepted by the universities in Western India
Name of the Researcher	Phugnar, Prashant
Name of the Guide	Dahibhate, N. B.
Completed Year	4-8-2012
Name of the Department	Department of Library & Information Science
Name of the University	Tilak Maharashtra Vidyapeeth Created and maintained by INFLIBNET Centre

Items in Shodhganga are protected under Creative Commons Licence Attribution-NonCommercial-ShareAlike 4.0 International (CC BY-NC-SA 4.0).

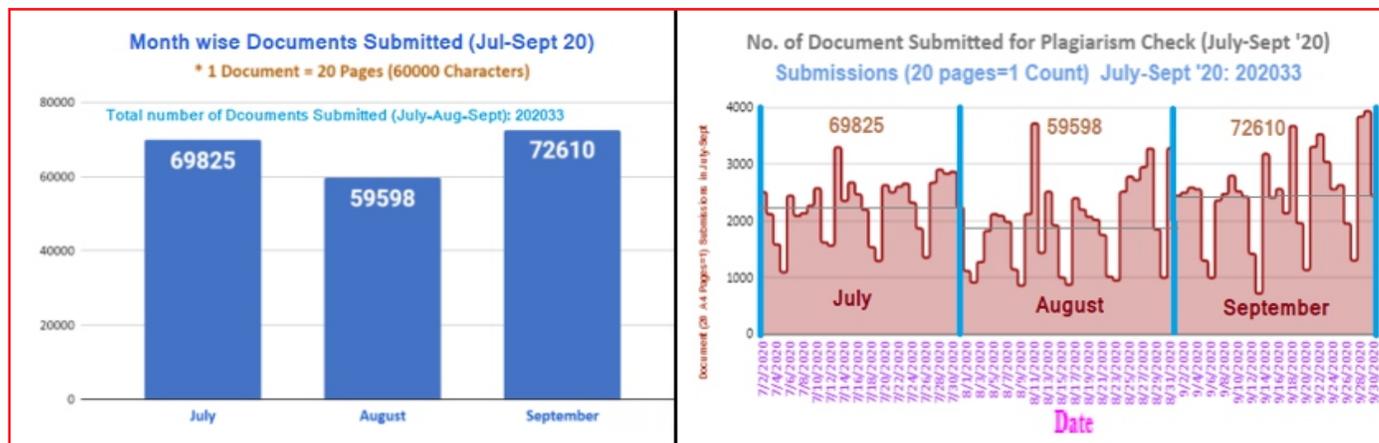
Fig.1: Citation Details

## Plagiarism Detection Software (PDS) under ShodhShuddhi

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. September 01, 2019. This program is being executed by INFLIBNET Centre, Gandhinagar.

The Plagiarism Detection Software (PDS) has been implemented in all identified 1036 Universities/Institutions by creating a User ID and Password for University Coordinators (UC) with admin rights.

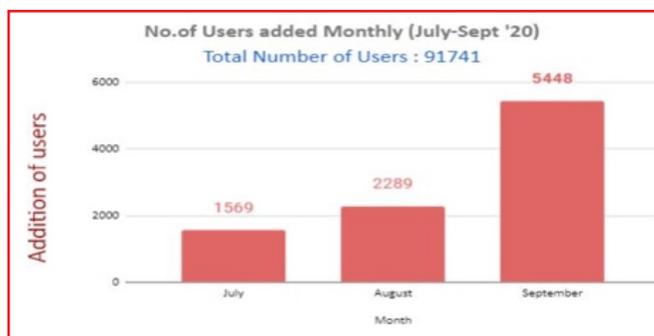
## PDS - Usage Statistics



**Graph-4 & 5: No. of Submissions in PDS (Month-wise)**

When lockdown was relaxed in July, submission in PDS has increased as researchers and students are gradually coming back to their research and academic activities. Average number of submissions in the first 3 months (March - May) of lockdown was 39802 and the last 3 months (July - September) average is 66423.

Graph-4 & 5 show the Month wise documents submitted in PDS (July - September 2020) is 202033 (i.e. July = 69825, August = 59598 and September = 72610), whereas the total submissions for plagiarism check in PDS during one Year (i.e. September 2019 to September 2020) is 6,67,991.



**Graph-6: No. of Users**

## Created/Added in PDS (Month-wise)

The Graph-6 shows the total number of users created/added in ShodhShuddhi till date are 91,741 whereas the number of users added monthly (July - September 2020) are as follows (July = 1569, August = 2289 and September = 5448). PDS has provision for 3 Lakhs users from all Universities.

15 State Level Online Awareness Programme (PDS-ShodhShuddhi) were organized in the month of July and August 2020 (13 July - 21 August 2020). 3363 participants attended the programme conducted for all 31 States and UTs. Separate report is appended under training details.

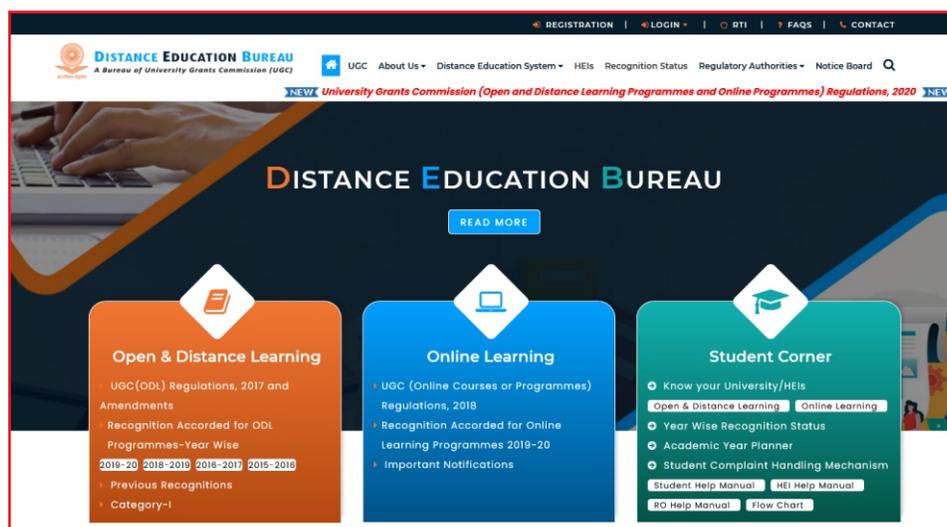
# New Projects @ INFLIBNET Centre

## Development of Activity Portal for Association of Indian Universities (AIU), New Delhi

The INFLIBNET Centre has developed a new activity portal for Association of Indian Universities (AIU) which was launched by Shri Ramesh Pokhriyal 'Nishank' on 17th August 2020. This portal was launched virtually as part of the AIU National Conference of Vice Chancellors on "Reimagining Indian Universities". The AIU portal will provide value-added services to its members in terms of completely automating the equivalence of foreign degrees with Indian Universities. The portal will consist of several portals including AIU equivalence portal, AIU admission portal, AIU job portal, AIU sports portal, and AIU collaboration portal. AIU admission portal will provide one-click information to the students regarding the academic programmes in the different universities while the AIU job portal will help in connecting job seekers with the vacancies available in the different universities, and the AIU collaboration portal will help universities to showcase their best departments for forging national and international collaborations.

## Development of Web Portal for Distance Education Bureau - University Grants Commission

The INFLIBNET Centre has developed a web portal for Distance Education Bureau - University Grants Commission. The portal was launched by Prof Dhirendra Pal Singh, Hon'ble Chairman, UGC on Friday, 9th August 2020 in the august presence of Members of the Commission. The main aim of the portal is to automate all the UGC - DEB activities.



Web Portal of University Grants Commission - Distance Education Bureau

## Development of Website for Sri Sri Aniruddhadeva Sports University, Dibrugarh, Assam

The INFLIBNET Centre was given a project for developing, commissioning, and managing a website for Sri Sri Aniruddhadeva Sports University, Dibrugarh, Assam.

### Fit India Movement Project

The INFLIBNET Centre has been assigned a project to design, develop and maintain a portal for “Fit India Movement”, an MHRD initiative to support the Fit India programme of the Government of India. The project has been assigned to the Centre for a period of 03 years or as per mutual understanding based upon requirements. Under this initiative, the INFLIBNET Centre would undertake to do the followings:

- Website of Fit India
  - Aesthetically designed portal with intuitive web interface populated with relevant information
  - Web applications to support dynamic maintenance of portal
  - Latest Event/ upcoming event
  - Search and browse interfaces
- Institutional Module
  - Online data upload system to facilitate information flow from participating institutions
  - Dashboard for nodal officer
  - Provision of action plan and action report for each activity
  - Photo gallery for each event
  - Video gallery
- Admin Module
  - To manage users (nodal officer, etc)
  - Dashboard
  - Upload features on behalf of nodal officer, if required
  - Analytical reports
  - Communication system

# Independence Day Celebration

The INFLIBNET Centre celebrated the 74<sup>th</sup> Independence Day on 15<sup>th</sup> August 2020. The National Flag was hoisted by Prof J P Singh Joorel, Director, INFLIBNET Centre. Prof Joorel addressed the staff members and their families regarding the activities of the Centre.



Group Photo of Independence Day Celebration at the Centre

## Staff News

### Prof J P Singh Joorel, Director

During this reported period, Prof Joorel launched 02 programs, participated in 04 meetings, and delivered many lectures, keynote talks & inaugural addresses with the following details:

- Launched (Jointly with Prof R S Dubey, Vice-Chancellor, Central University of Gujarat) the INFLIBNET Learning Management System at Central University of Gujarat on 07th July 2020.
- Launched (Jointly with Prof Rajbir Singh, Vice-Chancellor, Maharshi Dayanand University, Rohtak) the INFLIBNET Learning Management System at Maharshi Dayanand University, Rohtak on 30th July 2020.

- Attended the Academic Council Meeting of Maharshi Dayanand University, Rohtak in July 2020.
- Attended the Meeting of the Governing Council of Sri YN College (AP Autonomous College), Narsapur, on 22nd July 2020.
- Participated in a roundtable discussion on “Paradigm Shift in Education and Research” organized by the South Asian Institute for Advanced Research & Development, Kolkata on 2nd August 2020.
- Delivered a keynote address in the One Day Webinar to Celebrate Librarians’ Day on “Library as a Collaborator for Digital Learning” organized by School of Library and Information Science & Central Library, Central University of Gujarat, Gandhinagar on 12th August 2020.
- Attended the Academic Council Meeting of MIER College of Education on Friday, 21st August 2020.
- Delivered a lead lecture on National Education Policy 2020: Change the Landscape of Indian Learning, organized by Forum of Commerce & Management Studies India on 24th August 2020.
- Delivered a talk on Method Description along with Design, Number of Samples and Data Analysis in the Faculty Development Program “Approaches for Quality Research Paper Writing in High Impact Journals” organized by Rajiv Gandhi University, Arunachal Pradesh on 5th September 2020.
- National Webinar on Building Research Culture through NEP 2020, organized by M S University Baroda on 7th September 2020.
- Attended as Chief Guest and delivered a talk on National Education Policy-2020 organized by Swami Shradhananda College, Delhi University, Delhi on 14th September 2020.
- Attended as Chief Guest and delivered a talk on National Education Policy-2020 organized by Maharaja Ganga Singh University, Bikaner on 15th September 2020.
- Attended the Meeting of the Governing Council of SDMCET, Dharwad (An Autonomous College) on 15th September 2020.
- Delivered a talk on “Role of Statistics in Machine Learning and Artificial Intelligence” in the International Conference on Recent Trends in Theoretical and Applied Statistics, organized by the Department of Statistics, Dibrugarh University, Assam during 19th – 20th September 2020.
- Chief Guest at the Inaugural Ceremony of the UGC-Sponsored Six-day Online Workshop on "MOOCs and Open Educational Resources" organized by UGC-HRDC, Bharathidasan University, Tiruchirappalli during 16th – 22nd September 2020.
- Participated in a panel discussion on “Challenging Challenges in Teaching, Mentoring” during National Meet on Making Mentoring Relevant: NEP-2020 Perspective on 21st September 2020.
- Delivered a talk on “INFLIBNET and Online Learning in Higher Education”, in Guru-Dakshita - Faculty

Induction Programme organized by UGC-HRDC, University of Allahabad on 22nd September 2020.

- Attended as Chief Guest & delivered an Inaugural lecture in the Refresher Course of Library and Information Science organized by UGC-HRDC, Department of Library and Science and Central library of Gujarat University on 28th September 2020.

### **Mr. Manoj Kumar K, Scientist – E (CS)**

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

- Delivered a Lecture on ICT during 84th Refreshers Course conducted by Human Resource Development Centre, Punjabi University Patiala on 17th August 2020.
- Delivered two lectures on the topics Research Ethics and Anti Plagiarism Tool during Online Programme on Digital Tools for Writing, Authoring and reviewing manuscripts on 26th September 2020 organized by EICT, i.e. seven Electronics & ICT Academies, which have been set up by the Ministry of Electronics & IT, Government of India.

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

Mr Yatrik Patel was invited to deliver below invited talks/lectures:

- Delivered a lecture on “Access to online resources with special reference to INFLIBNET” during an online faculty Development Programme, organized by UGC-HRDC, Dr Harisinh Gaur University on 24th August 2020.
- Invited as keynote speaker by Government Hamidia Arts and Commerce College, Bhopal for online webinar and delivered a lecture on “Access to online resources with special reference to INFLIBNET” on 02nd September 2020.
- Delivered a lecture on “Access to online resources with special reference to INFLIBNET” during the online faculty Induction Programme organized by UGC-HRDC Osmania University, Hyderabad on 07th September 2020.
- Delivered a lecture on “Access to online resources with special reference to INFLIBNET” during an online Refresher Course in ICT organized by UGC-HRDC Gujarat University, Ahmedabad on 11th September 2020.

### **Mr Abhishek Kumar, Scientist - D (CS)**

Mr Abhishek Kumar was invited to deliver below invited talks/lectures:

- Delivered an online lecture on the topic “MOOCS and OER” in the Webinar/Training Programme conducted by the Department of Library and Information Science, Sambalpur University, Odisha in collaboration with HRDC on 7th September 2020.

- Delivered an online lecture on the topic “E-Learning: Content, Component, Creation and its Delivery” in the webinar conducted by BSSS College Bhopalon 28th August 2020.
- Invited as a resource person and delivered lectures on the topics “Role of INFLIBNET towards Academic Community” and E-Learning using MOOCs” in the 1st Online Faculty Induction Programme (Guru-Dakshata) during 17th August - 15th September 2020 organized by UGC-Human Resource Development Centre.
- Invited as a resource person and delivered a lecture on the topic “INFLIBNET Services towards Academic Community” in the UGC sponsored Online Refresher Course for Teacher Educators organized by UGC-HRDC, Gujarat University, Ahmedabad on 8th September 2020.
- Delivered an online lecture on the topic “e-Learning using MOOCs” on 07th September 2020 in the 7-days Short Term Course (STC)/Faculty Development Programme (FDP)” on the theme: “Addressing the challenges of Online Teaching-Learning” during 04th - 10th September 2020 organized by UGC-Human Resource Development Centre, Panjab University, Chandigarh.
- Delivered an online lecture in the webinar entitled the "Role of Teachers and IQAC in Promoting Digital Initiatives in Higher Education Institutions” jointly organized by VIT- IQAC and Central Library, VIT, Vellore on 28th September 2020.

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

- Mr Dinesh Pradhan delivered a lecture on the topic “Discovery Based Services for Libraries” during the Online Library Training Programme for MLIS students conducted by the Department of Library and Information Science, Central University of Haryana, Mahendragarh on 1st August 2020.

#### **Mr Raja V, Scientist - C (CS)**

Mr Raja was invited to deliver below invited talks/lectures:

- Delivered an online talk on the topic of "Academic Research & Citation Improvement” in the FDP program conducted by Dr. M.G.R.Educational & Research Institute (Deemed to be University), Tamilnadu on 2nd July 2020.
- Delivered an online lecture on the topic of "Open Access Repositories and its usages” in the FDP program conducted by JSS College of Pharmacy, Tamilnadu on 11th July 2020.
- Delivered an online lecture on the topic of "Academic facilities at INFLIBNET and Publication and Citation Improvement” in the FDP program conducted by Government Arts College for Women, Salem, Tamilnadu on 22 July 2020.
- Delivered an online lecture on the topic of "INFLIBNET Activities” to the Librarians in a webinar conducted by the Vinayaka Mission's Research Foundation, Tamilnadu on 20 August 2020.

- Delivered an online lecture on the topic of "Higher Education Services offered by UGC/INFLIBNET" in the FDP program conducted by the Sree Saraswathi Thyagaraja College, Tamilnadu on 10th September 2020.
- Delivered an online lecture on the topic of "Higher Education Services Offered by UGC/INFLIBNET" in the FDP program conducted by Selvam College of Technology, Tamilnadu on 23 Sept 2020.

#### **Mr Dharmesh Shah, STO (CS)**

- Mr Dharmesh delivered an online lecture on "Applications of ICT in Library Resources Management" for Library professionals, faculty members, research scholars and students organized by the Karnataka State Rural Development and Panchayat Raj University, Gadag, Karnataka on 12th August 2020.

## User's Speak

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#### **For Shodhganga**

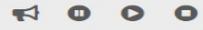
Hi,

I was looking for something on the internet and found Shodhganga. I think this is a great initiative. Will definitely help new researchers.

Thanks,  
Nilasundar Jena

## MDU launches digital platform for teaching-learning process

SHARE ARTICLE



A- A+



Rohtak, July 30

Maharshi Dayanand University (MDU) on Thursday launched a new digital platform LMS portal, to facilitate digital teaching-learning process. This portal, created jointly in collaboration with **INFLIBNET (Information and Library Network Centre)**, an autonomous Inter-University Centre of University Grant Commission (UGC), was launched by MDU Vice-Chancellor Prof Rajbir Singh and INFLIBNET Director Prof JP Singh Joorel.

The VC said technology-enabled learning on digital platform was the need of present time. He said students had to be provided apt digital study material for their pursuit of education. He said digital teaching-learning eco-system was here to stay. The VC expressed the commitment of university to provide quality e-course contents to the students. He expressed the gratitude of INFLIBNET for this collaborative digital venture.

THURSDAY, OCTOBER 15, 2020

JAMMU KASHMIR

Education

## CUP Bathinda is the Country's Ninth & Punjab's first University to launch the Learning Management System

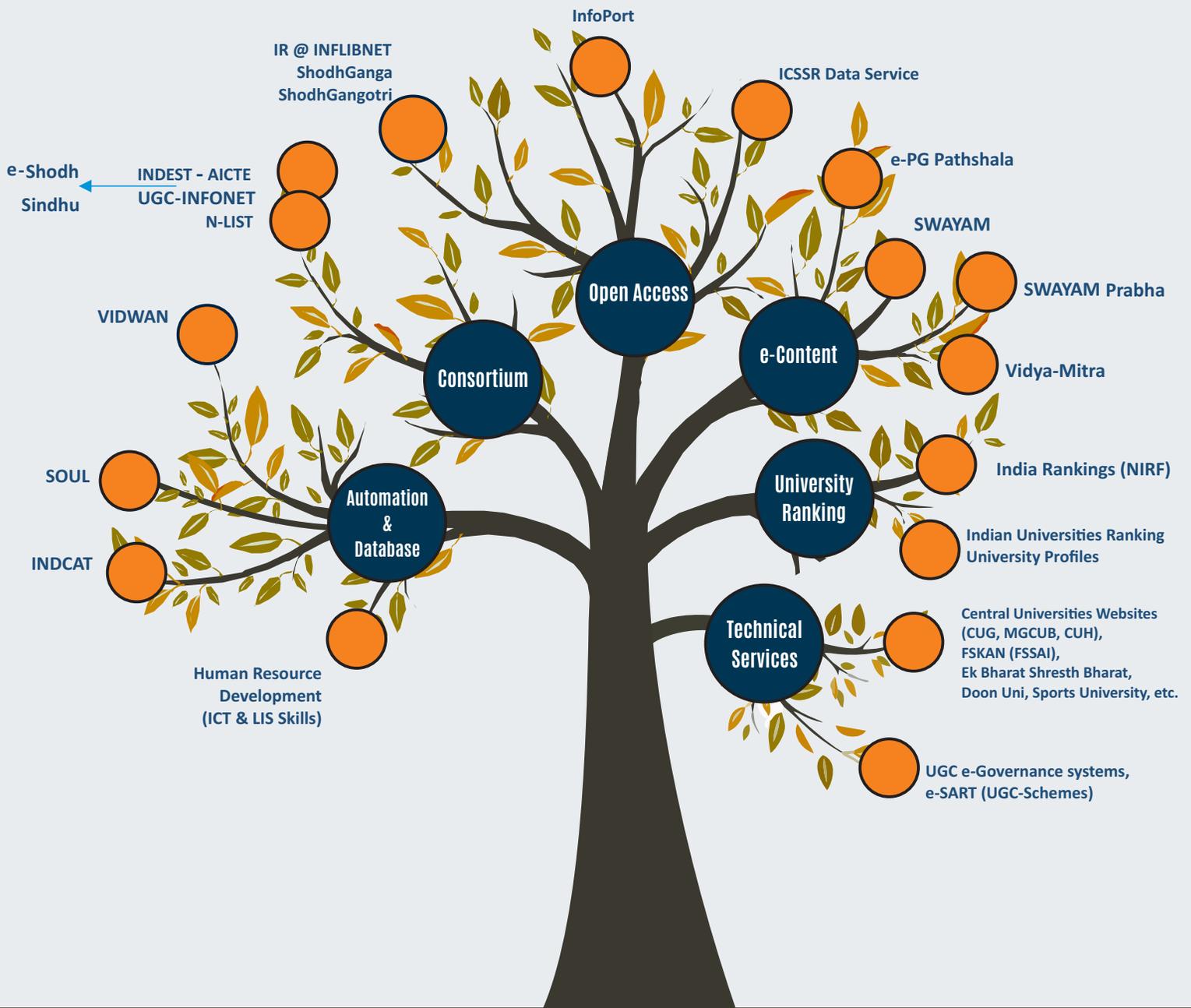
Punjab Tribune Bureau | September 11, 2020 09:42 PM

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**INFLIBNET**  
in Regional News



## Information and Library Network Centre

(An Autonomous Inter-University Centre of UGC)

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Email: [director@inflibnet.ac.in](mailto:director@inflibnet.ac.in)

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