

National Archives

The State-of-the-Art in Digital Heritage and its Role in Strengthening SAARC



Saubhagya Pradhananga,
Acting Director General
National Archives, Nepal

NATIONAL ARCHIVES



Organization Structure



Ministry of Culture, Tourism
and Civil Aviation



National Archives

Archive Section

Microfilm and
Electronic Record
Manegment Section

Administration

Account

Archives Unit

Conservation Unit

Manuscript Unit

Library

Legislative Provision

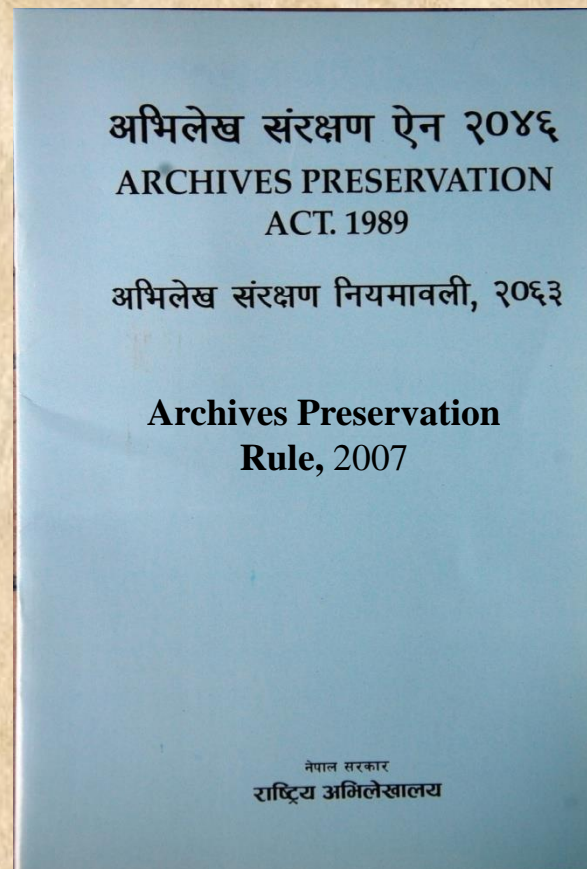
Archives
Preservation Act
2046



Archives
Preservation
Rule 2063



Cultural Policy
2067



Definition

Establishment

Function, Duties
and Rights

Transfer of
Documents

Preservation
and
Conservation

Permission for
Reading or taking
Duplicate

Penalty

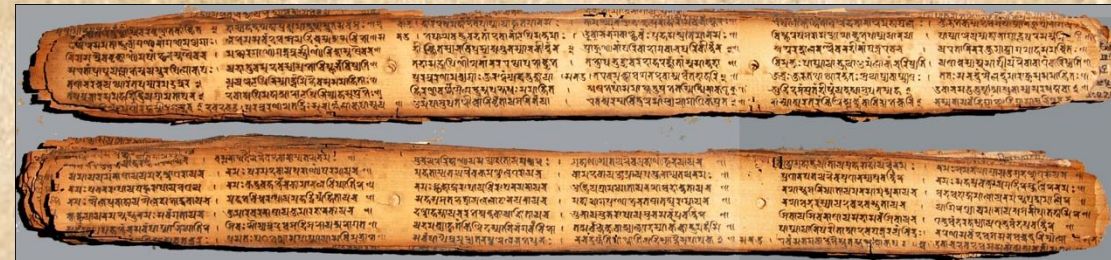
State of Documentary Heritage in National Archives, Nepal

Collection

32 Thousands Handwritten manuscript in N.A.



Handwritten text in Birch-Bark (Chandi)



A Palm-leaf manuscript, Skanda-Puran, 810 AD



Saddharma Pundarika, 8th century palm-leaf



Nishwasatatva Samhita,
Shaiva Tantra 9th c.
“Memory of the World”

Nyayabikasini,
King Jayasthiti Malla’s legal code,
written in 1380 AD

Collection

Sources of Documents in National Archives, Nepal



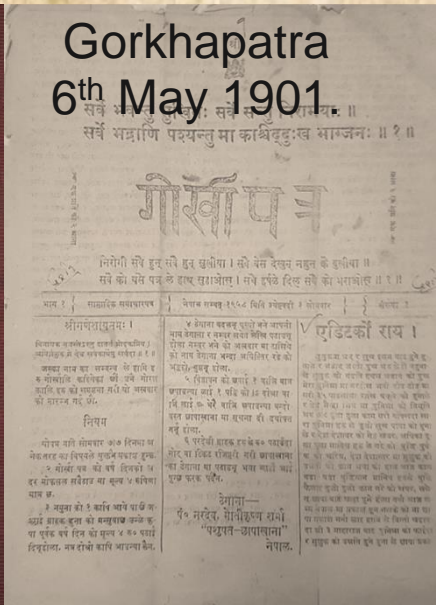
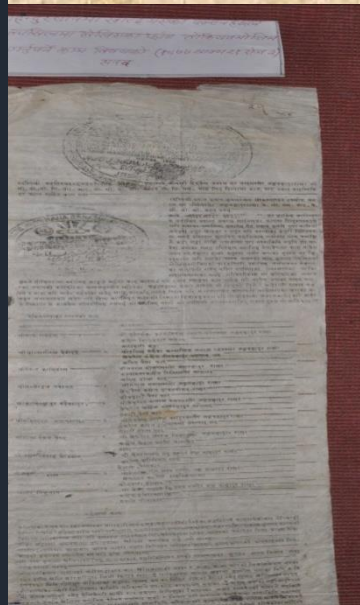
सन् १९५० साद माघ २ गते काठिने भूकम्पले घरको कान्छो भित्तिमा रहेको बाटोलेको फाट

असामी	घर	देवालय	मोदी	मोदी	मोदी	मोदी	मोदी	मोदी	मोदी
पानानेले	भुने	चुने	थोने	च	मोदी	मोदी	मोदी	मोदी	मोदी
मोदी	मोदी	मोदी	मोदी	मोदी	मोदी	मोदी	मोदी	मोदी	मोदी
काठमाडौं	१२५	३१३५	४१४६	६०६	४०	२५४	२२५	४१६	५
काठमाडौं	२८६२	४०६१	४२६	११२२१	१६	७६	१६६	२४५	१४
	२६११	७७६१	६४१२	१६६२३	५६	३३३	३५१	७२४	२३
पाटन	१०००	४११०	३८६०	६०३०	२२६	२५०	२६१	५४१	—
पाटन	३६११	६४४२	१५६६	१५०१०	३०	८११	८२६	१६६	१५२
	४६११	१२६१२	५४५८	२४०६१	२५६	११२१	११२३	२२४४	१५२
काठमाडौं	२३५६	२२६३	१४२५	६०६१	३	४३३	७३६	१११२	—
काठमाडौं	१४४४	१६६६	२३८८	५८५८	६५	६५	१५६	५	५
	३८०३	४२६६	३८१२	११८६५	३	४६८	८६०	१२२८	५
	१२२६१	२५६५८	१०६६८	५५१२६	३१०	१६५२	२२४४	४२६६	११५
									२४४२
									५१०

Bir Library
Gov./N.Gov Offices
Private Archives & Library
Private collection



Records of Land.



REFERENCE LIBRARY

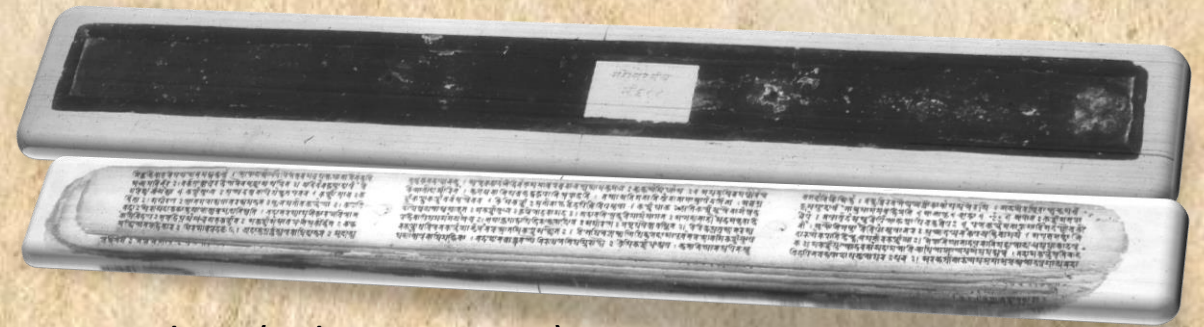


National Archives has a reference library covering various subjects.
20,000 Printed books with DDC (Dewey Decimal Classification)

Memory of the World Register



Niśvāsattatvasaṃhitā Manuscript
National Archives, Nepal



Susrutamhita (Sahottartantra) manuscript
Kaisar Library , Nepal

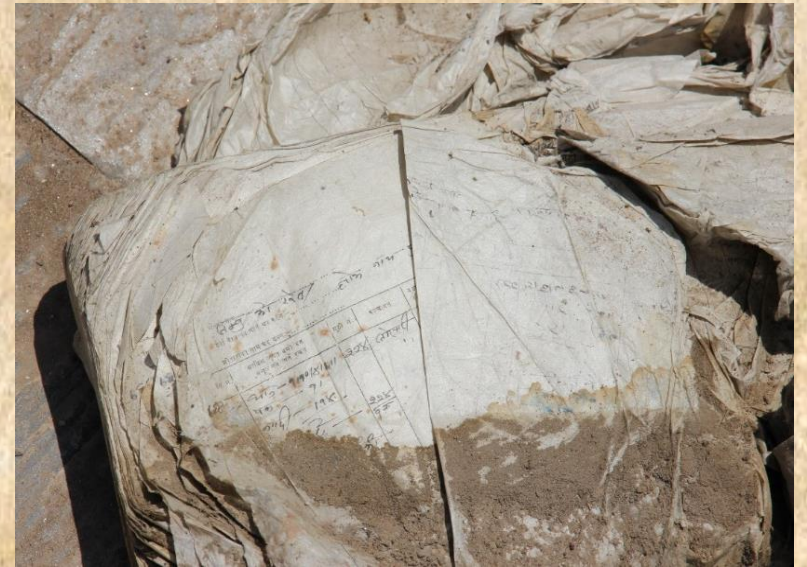
International Affiliation



MOW-
UNESCO



Significance of Digitization and Microfilming



Signification of Digitization and Microfilming

- Tengboche Monastery

**An electrical short circuit on January 19, 1989
(Bs 2045 Magh 6) Microfilm series no -L**

- Fire at Pashupatinath temple

Jun 25, 2005. Micro film series no -PN

- Fire at Prok village at Gorkha district

In 2001 the prok village got fire , every things were lost

Micro film series no –L



Signification of Digitization and Microfilming

.Miniature paintings return:

The NA has succeed In 16 Aug 2013 to return three pairs of miniature paintings on wooden covers painted in 11th to 14th century AD of

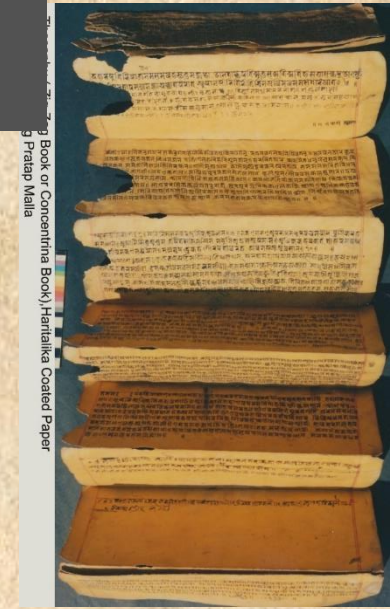
- Siva dharma ,
- Bishnudharma
- Bhagawat Puran



Coordination for Preservation of Historical Documents

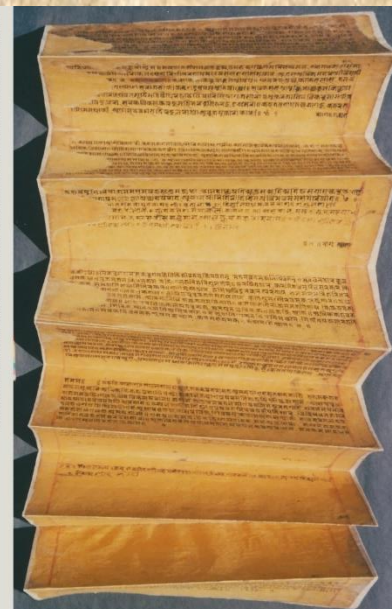


Conservation



Prayer Book or Concentrina Book) Haritalka Coated Paper
g Pratap Malia

THYASAPHU (ZIG-ZAG BOOK OR CONCENTRINA BOOK)
Hani Talika Coated Paper
Prayer Book of King Pratap Malia



(before
restoration)

(after
restoration)



OPPORTUNITIES for Digital Documentation

भूकम्पबाट क्षति भएका भक्तपुर जिल्लाका ऐतिहासिक मन्दिरहरूको अभिलेखहरूको विवरण

संख्या : १४१

संकलन मिति : २०७४ / १० / ०५

स्मारकको नाम : लुं विहारको ढोका भित्र छिरेपछि बाँयाको शिलालेख

स्थान : लुकुलढोका, भ. नं. पा. नं.

पदार्थ/पदार्थ : शिलालेख

शीर्ष वाक्य : शुभ ॥ श्री २ गणेशनामनामः ॥ सम्वत्

नाम : ४४ * २० से. मि.

लिपि : प्रचलित नेपाली

मिति : नेपाल सम्वत् ७२९

संस्थापक : गंगादेवी, बैलोक्य मल्ल र विभुवन मल्ल

भाषा : नेपाल भाषा

अभिमुख : दक्षिण

पक्षित : २७

नमस्कार :

पूर्व/अपूर्व : पूर्ण का भूकम्प जपि :

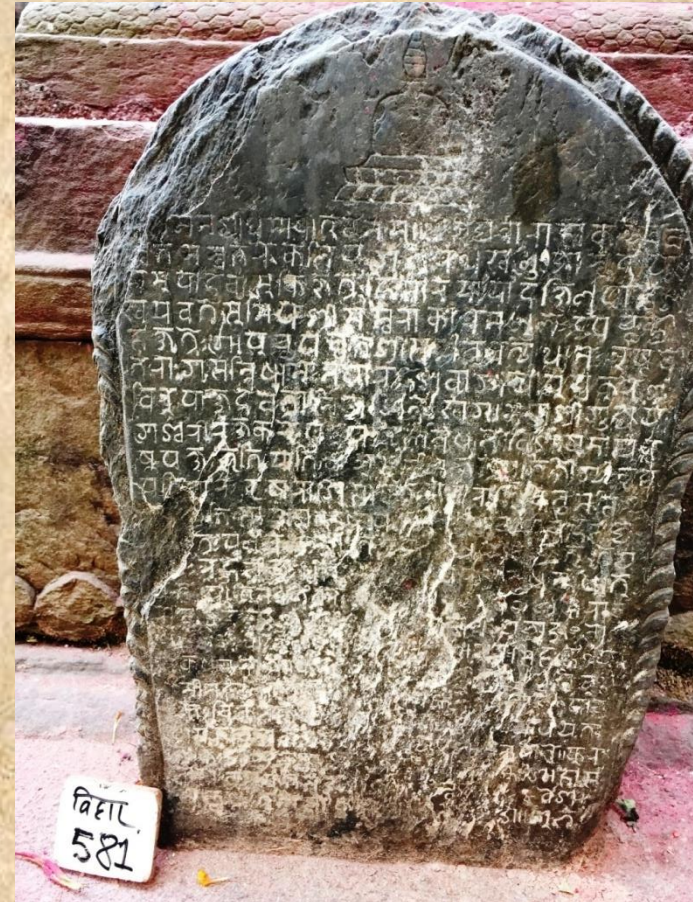
प्रकाशित श्रोत : ख। भूकम्प पछि :



माध्यम : सं. ७०० मा स्थापना गरिएको गणेश, सं. ७०९ माथमा सल्ल बनाएको, ७०९ कार्तिकमा लिपिदेवलमा बन्नोपिनी स्थापना गरेको, ७१२ माथमा चौप बनाएको, ७१२ जातिवनमा भीमसेन द्रौपदी स्थापना गरेको र सं. ७२९ आषाढमा बर्मशाला बनाएको र यी सबैको रेखरेख र पूजाको सरसामान जुटाउन २१ रोपनी छेत गुठी राखी दिएको विषयको ।

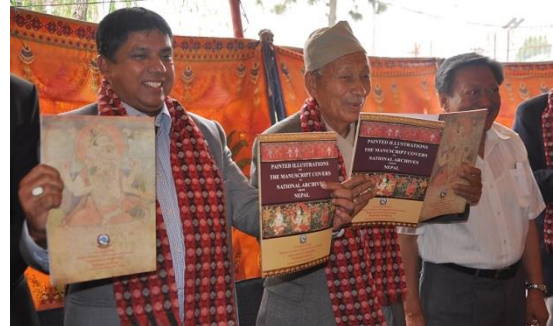
प्रचलित श्रोत : योगेश राज, १९९९, लुर्जा अभिलेख प्रकाश, लुर्जा, भक्तपुर, पृ. २, पुरुषोत्तम सोचन खेप्, २०६९, लुकुलढोका लुं विहार र द्रौलखा भीमसेन, लुकुलढोका द्रौलखा भीमसेन, लुं विहार र भीमसेन मन्दिर संरक्षण कार्य समिति, भक्तपुर, पृ. ६०

राष्ट्रिय अभिलेखालयको संकलित भक्तपुर शिलालेख सूचीको नं. २, अभिलेख नं. २०, खान नं. २९ मा रहेको छ ।



Flowing Knowledge and Information

Book Lunching Program



After Earthquake 2015



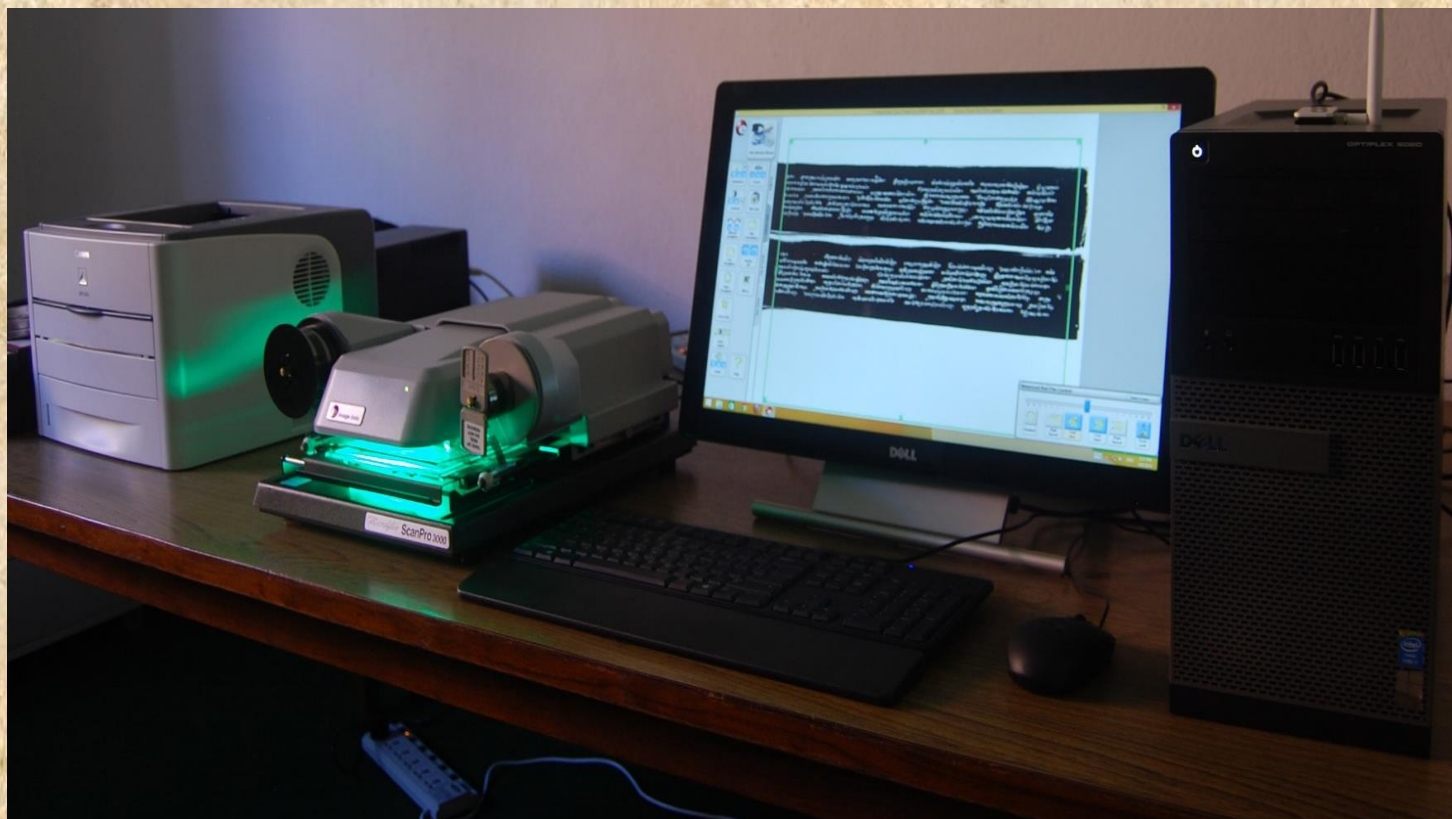
The State -of-the-Art in Digital Heritage



39,000 – Manuscript
2900,000 Folios
2300 – Roll NAO Collection

200,000 - Manuscript
60,00,000 - Folios
10,000 – Roll NAM Collection

2300,000 - Folios
35,000 – Manuscript NAD



Digitizing the Manuscripts and Records



Image management System
Manuscripts: 24000
Total Images : 1265000



Large Format Document Scanner
SCANNING SIZE : 43" x 24.8"
SCAN SPEED: 15-30 SECOND

Colour Digitization
Manuscript/Documents : 60000
Images



Image Management System

NA'S Image Archiving x

10.77.35.3/preview.aspx

Government of Nepal
Ministry of Culture, Tourism and Civil Aviation
Department of Archaeology
National Archives

Dashboard
List of Records
Insert Records
Backup Database
Assign Permission
Upload Banner
Upload Static Content
Manage Users
View Request
bikash

List of Records

Materials: -- Select Language: -- Select Script: -- Select Date: -- Select State: -- Select

Search By Title... Search By Reel...

Apply Filter Clear Filter

S.N	Title	Language	Script	Date	Material
1	(...)Hridayakalpa	S	W		N
2	(...)Pūjāvīdhi	SW	W		T
3	(...)Sahasrākṣarī	S	W		
4	(...)Sūktā	S	D		
5	(...)kāvaca	S	D		T
6	(...)Pūjāvīdhi	SW	W		NS T
7	(...)Mahā)Buddhagītastotra	S	W		
8	(...eśvara)Vīṭarāgamāhātmya	S	W		

10.77.35.3/home.aspx

89	(Āpaduddhāra)Batukabhairavastotra	S	D	VS	7	E	2365/35	St	Request
90	(Āpaduddhāra)Batukabhairavastotra	S	D		7	ID	E 2414/10	St	Request
91	(Āpaduddhāra)Mahābhairavastavarāja	S	D		22	D	H 354/24	St	Request
92	(Āpaduddhāra)Mahābhairavastavarāja	S	D	VS	5	D	E 322/19	St	Request
93	(Āpaduddhāra)Mahābhairavastotra	S	W		6	E	189/27	St	Request
94	(Āpaduddhāraka)Bhairavastavarāja	S	W	NS	T				
95	(Āpaduddhāraka)Hanūmatstotra	S	D						
96	(Āpaduddhāraka)Hanūmatstotra	S	D	VS					
97	(Āpaduddhāraka)Hanūmatstotra	S	D						
98	(Āpaduddhāraka)Hanūmatstotra	S	W		T				

Welcome to you in NA x

10.77.35.3/viewdetail.aspx?id=3079

Home About Us View FAQ Comment / Feedback suresh

vvividhapūjāvīdhi_e22... vvividhapūjāvīdhi_e22... vvividhapūjāvīdhi_e22... vvividhapūjāvīdhi_e22... vvividhapūjāvīdhi_e22... vvividhapūjāvīdhi_e22...

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National Archives
Ramshah Path, Kathmandu, Nepal

नतिवपुकी प्रशासन, समृद्धि र सुशासन
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नेपाली | ENG

Online Catalogues National Archives of Nepal

Total Records: 114552

Materials: -- Select -- Language: -- Select -- Script: -- Select -- Date: -- Select -- State: -- Select -- Subject: -- Select --

Apply Filter Clear Filter

Search by Title or containing text... Search by Reel No like E 220/10 Search

S.N	Title	Language	Script	Date	Material	Folios	Access	State	Reel No.	Subject
1	(...)Hridayakalpa	S	W		N	11		D	D 27/10	BS
2	(...)Pūjāvīdhi	SW	W		T	87		ID	A 1253/1	Kk
3	(...)Sahasrākṣarī	S	W			10		ID	E 158/1	M?
4	(...)Sūktā	S	D			83	4/2226		A 588/17	V
5	(...)kāvaca	S	D		T	37			E 578/16	St
6	(...)Pūjāvīdhi	SW	W	NS 710	T	12	3/608	I	A 1221/14	Kk
7	(...)Mahā)Buddhagītastotra	S	W			28		D	E 1096/9	BSt
8	(...eśvara)Vīṭarāgamāhātmya	S	W			4			E 415/12	St

Flowing Knowledge and Information

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Ministry of Culture, Tourism & Civil Aviation
National Archives
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Search...

Online Catalogues National Archives of Nepal

Total Records: 114552

Materials: -- Select -- Language: -- Select -- Script: -- Select -- Date: -- Select -- State: -- Select -- Subject: -- Select --

Apply Filter Clear Filter

Search by Title or containing text... Search by Reel No like E 220/10

S.N	Title	Language	Script	Date	Material	Folios	Access	State	Reel No.	Subject
1	(...)Hrdayakalpa	S	W		N	11		D	D 27/10	BS
2	(...)Pūjāvidhi	SW	W		T	87		ID	A 1253/1	Kk
3	(...)Sahasrākṣarī	S	W			10		ID	E 158/1	M?
4	(...)Sūktā	S	D			83	4/2226		A 588/17	V
5	(...)kavaca	S	D		T	37			E 578/16	St
6	(...?)Pūjāvidhi	SW	W	NS 710	T	12	3/608	I	A 1221/14	Kk
7	(...?Mahā)Buddhagītastotra	S	W			28		D	E 1096/9	BSt
8	(...eśvara)Vītarāgamāhātmya	S	W			4			E 415/12	St

वृत्तकल्पलतिका

राष्ट्रिय ज्ञानसंरक्षणका अनुसंधान ...

National Links

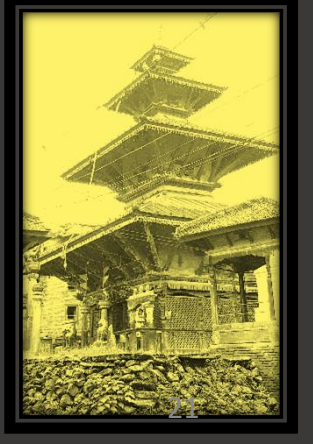
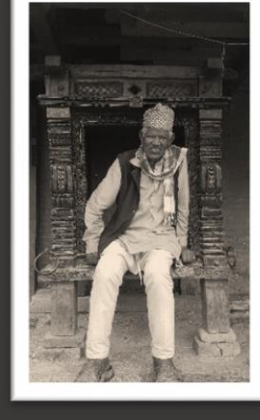
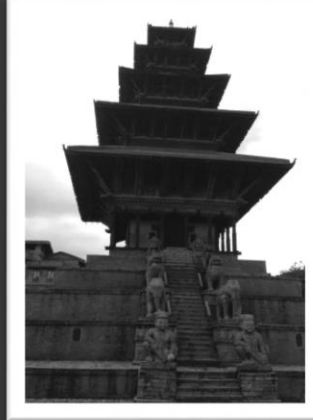
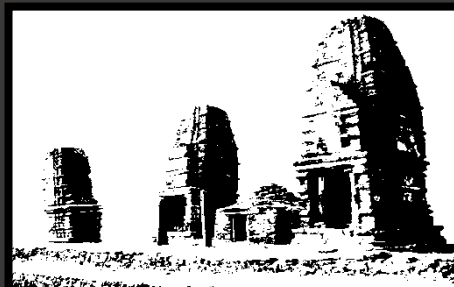
International Links

- SWARBICA
- International Council of Archive
- Centre for the Study of Manuscript cultures of the university of Hamburg
- Heidelberg Academy of Science and Humanities
- Nepalese-German Manuscript Cataloguing Project (NGMCP)

Develop the
International
Links with
SRAAC

OPPORTUNITIES to Expand the Collection

Digital / Photography Archives



Future strategy for preservation



Documentation
Centre

Conservation
Centre



Digital
Archives/Data
Centre



Research Centre

Training Centre

Digital Service through Web-based Application

Challenges and Issues

- Virus, malware, spyware, worm attack
- Digitization of very old documents.
- Ensuring long-term access to digital information is a complex challenge
- Storage of digital data, management and operation.
- Metadata handling
- Digital preservation strategies
- Legal issues
- Technical assistance
- Access restrictions
- Security threats
- Management cost



Strengthening SRAAC through Digital Heritage



- Develop the Network within the SRAAC countries
- Develop Joint project to enhance the Knowledge and Capacity Building
- Develop Joint academic research project & Exchange the Academic Knowledge
- Cooperation for Technical support to preserve the digital Heritage
- Access of digital Catalogues of Archives .
- Access of digital records on the basis of Government's Rule.

THANK YOU



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Welcome to Nepal