



**BSc. CSIT / BCA / BBM  
BBS / BA / BSW / MBS**

**GET IN CONTACT NOW!**



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**PROSPECTUS**

**BSc. CSIT / BCA**

## FROM THE MANAGEMENT TEAM

Dear Students,

Welcome to Texas!

We are delighted to welcome you in Texas International College. The college aims to help everyone succeed academically and socially, prepare to flourish in the competitive world.

We endeavor to develop responsible citizens and self-sufficient individuals who strive for greatness and set high standard for themselves as they pursue their objectives. We've established a solid foundation of great education and are constantly improving with cutting-edge technology to create the best learning environment.

We are devoted to providing every student a good and rewarding learning experience in Texas.

Thanking you!



**Prof. Dr. Govinda Pd. Acharya**  
Chief of Academics,  
Former Dean, Faculty of  
Management (TU).



**Mr. Bheshraj Pokhrel**  
Executive Chairman



**Mr. Jitendra Kumar Bakhu**  
Managing Director



**Mr. Shyam Sundar Shrestha**  
Principal



**Mr. Yubraj Basnet**  
Vice-Principal



**Mr. Narayan Pokharel**  
Director, Business Development



**Mr. Krishna Prasad Dangal**  
Director, Finance and Logistics

## MESSAGE FROM DEPARTMENT

Dear Students and Parents,

Welcome to Texas International College – where dreams take flight, and futures are shaped with strong commitment and good care of individual.

We believe every student is full of potential, and our Bachelor of Science in Computer Science and Information Technology (B.Sc. CSIT) and Bachelor of Arts in Computer Application (BCA) programs are designed to guide the students through a transformative four-year journey. The students can explore various IT fields, connect with industry experts, and grow both personally and professionally.

Learning at Texas goes beyond classrooms. Through socialization programs, real-world training, and our unique “Texas Imaginology” platform, students gain hands-on experience by working on live projects – just like in a tech company. We blend academics with bootcamps, hackathons, job fairs, tours, sports, and cultural events to keep learning with fun.

Most of the students begin working by third year, and almost all of them are placed in final year. But our connection doesn't end there – we are eagerly waiting the same students to welcome back in Master's and celebrate their success with pride.

The teams of Texas nurture not just professionals but well-rounded individuals with values, confidence, and compassion.

Dear Parents and Guardians, your child's dreams matter us. We promise to mentor, support, and help them become responsible and skilled individuals.

Dear aspirants, if you're ready to grow, explore, and lead – your journey begins here.



**Mr. Kumar Poudyal**  
Head of Department  
BSc. CSIT | BCA



**Mr. Sulav Nepal**  
Coordinator  
BSc. CSIT | BCA



## INTRODUCTION

Are you curious about how apps are built, how does website work, or how do machines learn to think like humans? Do you dream of creating the next big tech idea or working with top most companies, or your own startup one day? If technology excites you, then you're in the right place - Welcome to the Department of IT at Texas International College! We offer two major IT programs under Tribhuvan University - B.Sc. CSIT and BCA, both designed to turn your curiosity into capability and your passion into a profession. CSIT and BCA are known for combining strong academic learning with real-world exposure, where students don't just learn - they create, innovate, and lead. From programming to artificial intelligence, and networking to cloud computing, we cover all the trending areas of IT that matter today and tomorrow.

Whether you're planning to become a software developer, data analyst, system architect, or an entrepreneur - the skills and support you receive at Texas will definitely help to shape your journey.

## DEPARTMENT MISSION

“Our mission is to empower students with strong academics, IT skills, and value to become innovative problem-solvers and global citizens. We foster an inclusive, forward-thinking environment for their intellectual, technical, and personal growth.

## DEPARTMENT VISION

Our vision is to be a leading IT education center, producing skilled, ethical, adaptable graduates who contribute to industry and society, where learning meets innovation and students become confident professionals.



## Texas IT Programs: Building Tomorrow's Tech Leaders



### Why B.Sc. CSIT and BCA in Texas?

TU-Affiliated & Trusted Course Since 2010

Focus on Academics & Practical Skills

Professional Training from Experts

Texas Imaginology Lab

Texas Business Incubation Center (TBIC)

Research, Learning, and Development Center (Seed Funds)

100% Industry-Relevant Exposure

Job Placement Opportunities

Student Learning Space

Skill & Personality Development

Career Day, Job Fair, and IT Expo

## LEARNING OUTCOMES

Students don't just study - they grow, build, and transform. Through the CSIT and BCA programs, students get the right mix of knowledge, practical skills, and confidence needed to succeed in today's tech-driven world. From learning how to code to improving communication and problem-solving skills, students are prepared for both professional success and personal development.

#### Technical Knowledge

Students get a strong base in programming, computer science, databases, networking, and more.

#### Teamwork and Leadership

Students join teams, events, projects, growing as confident leaders.

#### Practical Experience

Through projects, labs, and in-house setups, students implement what they learn in class.

#### Creative Thinking

Students learn creative tech problem-solving.

#### Communication & Personal Growth

Students enhance communication, emotional, and social skills.



## ALUMNI REMARKS

**Anvesha Giri**

2076 Batch, CSIT  
Project Manager, Buddhatech Pvt. Ltd.

Academic guidance and recommendation for job placement : Texas.

**Samyog Paudel**

2076 Batch, BCA  
Software QA Engineer, Codavatar Tech Pvt. Ltd.

I am greatly facilitated by my teachers' encouraging behaviors to move ahead.

**Saurav Thakur**

2077 Batch, CSIT  
Python Developer, Digital Age Nepal

I find Texas a unique place for my academics and career.

**Sambhawe Acharya**

2077 Batch, CSIT  
Project Manager, Grantha Networks Pvt. Ltd.

The practical learning environment here gave me the confidence to excel in my career.

**Ayush Pandey**

2076 Batch, CSIT  
Dotnet Developer, Chanakya Software Pvt. Ltd.

Texas College is the real place where I know myself : exposure and facilitation is what I praise of Texas.

**Neha Rouniyar**

2076 Batch, BCA  
Software QA Engineer, Imark Digital

Focus on career & profession : I learn alot about life.

**Rajak Putuwar**

2077 Batch, BCA  
Laravel Developer, Upveda Technology Pvt. Ltd.

Career guidance in Texas has helped me a lot to pave my way.

**Adarsha Chaulagain**

2077 Batch, CSIT  
Project Coordinator, InfoDevelopers Pvt. Ltd.

The strong academic foundation I gained here has been the backbone of my success.

## ALUMNI REMARKS

**Ashish Gautam**

2068 Batch, CSIT  
Sr. System Engineer, Hamro Patro

The root of my strong academic foundation is based on academic environment of Texas college during my study of BSc.(CSIT)

**Rojina K.C.**

2070 Batch, CSIT  
Senior Anroid App Developer, Prologic Solution

Through professional association of Texas with IT industry I'm greatly enhanced to grow myself in career path.

**Surya Bista**

2072 Batch, CSIT  
Software Engineer, Outcode LLC

Texas international college is like boon in my life...Due to the training programs and workshops, I was able to get internship and succesful job placement in companies.

**Apurba Rajyashree Thapa**

2075 Batch, CSIT  
Java Developer, InfoDeveloper Pvt. Ltd

Supportive faculties and their encouragement will definitely lead my life to success.

**Mahesh Malla**

2069 Batch, CSIT  
QA Engineer, Deerwalk Services

Texas International College, the place where I got to recognize the real me and achieve a clear vision towards my future.

**Deependra Karki**

2071 Batch, CSIT  
Full-Stack Developer, Subidha Tech

Texas College an institute which is always trying to nurture and nourish individuals in every aspect of the IT industry.

**Arjun Gautam**

2074 Batch, CSIT  
Socail Media Specialist, Delmi Training Instute Vaughan, Canada

Academic leadership and supportive management are keys in Texas to open our path of success.

**Ayush Jung Basnet**

2075 Batch, BCA  
software engineer, VeriSK Nepal

Industry exposure and motivation to career are priorities in Texas : My perceptions.

## RESEARCH LEARNING AND **DEVELOPMENT (RLD)**

### RESEARCH

- Research & Innovation Lab
- Case Center
- Faculty/Student Research
- Academia Industry Research
- National & International Conference

### LEARNING & DEVELOPMENT

- Designing Course Module
- Professional Certification Program
- Faculty Development Program
- Learning Platform
- Academia Industry Leading Program

### TEXAS BUSINESS INCUBATION CENTER (TBIC)

- Incubation and Innovation Platform
- Entrepreneurship Course Module
- Startup - Scaleup Program
- Seed Fund
- Mentoring & Startup Fest
- Tech Accelerator Program



## STUDENTS' **START UP**



milo logic

### Baibhav Basnet

Milo Logic Pvt. Ltd.  
Co-founder/Chief Operating officer



Chitrabazar

### Bijay Chaurasiya

Chitrabazar Pvt. Ltd.  
Co- Founder, CTO



SPYDO

### Kishor Upadhyaya

Spydo Genesis Incorporation Pvt. Ltd.  
Founder, CEO



MERO DESTINY

### Bipin Saud

Mero Destiny  
Founder, CEO

## ENTREPRENEURSHIP SUPPORT PROGRAM (ESP)

**Supported By:** University Grants Commission (UGC), Nepal

### Dhoka Dhoka Online Mart

Rohan Shrestha, Kushal Kharel, Deeya BK

### DOLI

Alisha Bhusal, Anushila Basnet  
Sadiکشya Katuwal, Samana Budhathoki

### Kritya Falgun

Kushal Kharel

### Saalik

Saugat Shrestha, Ritik Dhakal

### Xpert Link

Suman Bisunkhe, Saurab Budhathoki



Business Development Plan (BDP) Awardees

## JOB OPPORTUNITIES

Software Developer  
 Web Developer  
 Mobile App Developer  
 Database Administrator (DBA)  
 IT Support Specialist  
 System/Network Administrator  
 UI/UX Designer  
 Quality Assurance (QA) Tester  
 Digital Marketer (with Tech Skills)  
 Front-End and Back-End Developer  
 Graphic Designer (Tech-Integrated)  
 SEO/SEM Specialist  
 Freelance Tech Professional

## CAREER OPTIONS

Software Engineer  
 Data Analyst / Data Scientist  
 Cybersecurity Specialist  
 Cloud Engineer  
 AI / Machine Learning Engineer  
 DevOps Engineer  
 Full Stack Developer  
 Project Manager (IT)  
 Entrepreneur / Startup Founder  
 IT Lecturer / Trainer / Consultant  
 Blockchain Developer  
 Game Developer  
 AR/VR Developer





# BSc. CSIT

**4 YEARS, 8 SEMESTERS, 126 CREDITS**

The Bachelor of Science in Computer Science and Information Technology (B.Sc. CSIT) program is a 4-year, 8-semester course affiliated to Tribhuvan University, designed for students with the science background. The program blends core areas of computer science and information technology, offering strong theoretical knowledge and hands-on practical skills. Students learn programming, software development, networking, data structures, algorithms, system design, hardware, and emerging technologies. The curriculum covers a total of 126 credit hours, including elective courses tailored to meet current industry demands - preparing graduates for advanced tech careers, innovation, and leadership in the fast-growing IT industry.

## ELIGIBILITY FOR ADMISSION

Students must have completed +2 or equivalent in science stream and passed the entrance examination conducted by Tribhuvan University.

Note: Students from Biology and Mathematics groups are eligible for the admission.

## CURRICULUM

### CSIT COURSES

Computer Science ( core course)	- 78 credits
Natural Course	- 3 credits
Mathematics Course	- 12 credits
English Course	- 3 credits
Social Science & Management	- 6 credits
Elective Course	- 15 credits
Internship/Project	- 9 credits
<b>Total Credits</b>	<b>- 126 credits</b>

## BSc(CSIT) SYLLABUS

### 1<sup>ST</sup> SEMESTER

SN	Course Title	Credits
1	Introduction to Information Technology	3
2	C Programming	3
3	Digital Logic	3
4	Mathematics I	3
5	Physics	3
<b>Total</b>		<b>15</b>

### 3<sup>RD</sup> SEMESTER

SN	Course Title	Credits
1	Data Structure and Algorithm	3
2	Numerical Method	3
3	Computer Architecture	3
4	Computer Graphics	3
5	Statistics II	3
<b>Total</b>		<b>15</b>

### 5<sup>TH</sup> SEMESTER

SN	Course Title	Credits
1	Design and Analysis of Algorithms	3
2	System Analysis & Design	3
3	Cryptography	3
4	Simulation and Modeling	3
5	Web Technology	3
6	Elective I	3
<b>Total</b>		<b>18</b>

### 7<sup>TH</sup> SEMESTER

SN	Course Title	Credits
1	Advanced Java Programming	3
2	Data Warehousing and Data Mining	3
3	Principles of Management	3
4	Project Work	3
5	Elective III	3
<b>Total</b>		<b>15</b>

### 2<sup>ND</sup> SEMESTER

SN	Course Title	Credits
1	Discrete Structure	3
2	Object Oriented Programming	3
3	Microprocessor	3
4	Mathematics II	3
5	Statistics I	3
<b>Total</b>		<b>15</b>

### 4<sup>TH</sup> SEMESTER

SN	Course Title	Credits
1	Theory of Computation	3
2	Computer Networks	3
3	Operating System	3
4	Database Management System	3
5	Artificial Intelligence	3
<b>Total</b>		<b>15</b>

### 6<sup>TH</sup> SEMESTER

SN	Course Title	Credits
1	Software Engineering	3
2	Compiler Design and Construction	3
3	E-Governance	3
4	NET Centric Computing	3
5	Technical Writing	3
6	Elective II	3
<b>Total</b>		<b>18</b>

### 8<sup>TH</sup> SEMESTER

SN	Course Title	Credits
1	Advanced Database	3
2	Internship	6
3	Elective IV	3
4	Elective V	3
<b>Total</b>		<b>15</b>

**TOTAL CREDITS IN 4 YEARS : 126**



# BCA

**4 YEARS, 8 SEMESTERS, 126 CREDITS**

Bachelor of Arts in Computer Application (BCA) is a 4-year undergraduate degree under Tribhuvan University designed to produce high quality computer application users and developers. The BCA program provides students with strong foundations in computer applications, programming, networking, web development, and database management. It is ideal for students who want to build a career in IT with a focus on practical skills, real-world projects, and industry-ready training from day one.

## ELIGIBILITY FOR ADMISSION

Students must have completed +2 or equivalent in any discipline and passed the entrance examination conducted by Tribhuvan University.

## CURRICULUM

### BCA COURSES

Computer Application (Core Courses)	- 71 credits
Elective Courses	- 12 credits
Mathematics & Statistics Courses	- 9 credits
Language Courses	- 6 credits
Social Sciences & Management Courses	- 15 credits
Project & Internships	- 13 credits
<b>Total Credits</b>	<b>- 126 credits</b>

## BCA SYLLABUS

### 1<sup>ST</sup> SEMESTER

SN	Course Title	Credits
1	Computer Fundamentals & Applications	4
2	Society and Technology	3
3	English I	3
4	Mathematics I	3
5	Digital Logic	3
<b>Total</b>		<b>16</b>

### 3<sup>RD</sup> SEMESTER

SN	Course Title	Credits
1	Data Structures and Algorithms	3
2	Probability and Statistics	3
3	System Analysis and Design	3
4	OOP in Java	3
5	Web Technology	3
<b>Total</b>		<b>15</b>

### 5<sup>TH</sup> SEMESTER

SN	Course Title	Credits
1	MIS and E-Business	3
2	DotNet Technology	3
3	Computer Networking	3
4	Introduction to Management	3
5	Computer Graphics and Animation	3
<b>Total</b>		<b>15</b>

### 7<sup>TH</sup> SEMESTER

SN	Course Title	Credits
1	Cyber Law & Professional Ethics	3
2	Cloud Computing	3
3	Internships	3
4	Elective I	3
5	Elective II	3
<b>Total</b>		<b>15</b>

### 2<sup>ND</sup> SEMESTER

SN	Course Title	Credits
1	C Programming	4
2	Financial Accounting	3
3	English II	3
4	Mathematics II	3
5	Microprocessor & Computer Architecture	3
<b>Total</b>		<b>16</b>

### 4<sup>TH</sup> SEMESTER

SN	Course Title	Credits
1	Operating System	3
2	Numerical Methods	3
3	Software Engineering	3
4	Scripting Language	3
5	Database Management System	3
6	Project I	2
<b>Total</b>		<b>17</b>

### 6<sup>TH</sup> SEMESTER

SN	Course Title	Credits
1	Mobile Programming	3
2	Distributed System	3
3	Applied Economics	3
4	Advanced Java Programming	3
5	Network Programming	3
5	Project II	2
<b>Total</b>		<b>17</b>

### 8<sup>TH</sup> SEMESTER

SN	Course Title	Credits
1	Operations Research	3
2	Project III	6
3	Elective III	3
4	Elective IV	3
<b>Total</b>		<b>15</b>

**TOTAL CREDITS IN 4 YEARS : 126**

## STUDENTS' REMARKS

**Sudip Dahal**

2080 Batch, CSIT

Classes are interactive and encourage student participation.

**Manyata Luitel**

2081 Batch, BCA

Training sessions are conducted by industry professionals.

**Lizan Shrestha**

2080 Batch, BCA

Annual sports meet promotes team spirit.

**Dipesh Sunar**

2079 Batch, CSIT

Students gain real-world experience through internships.

**Prabina Rai**

2080 Batch, BCA

Classrooms are equipped with modern teaching aids.

**Shiksha Shiwakoti**

2079 Batch, BCA

Field visits connect classroom learning to the real world.

## STUDENTS' REMARKS

**Prashamsa Thapa**

2081 Batch, CSIT

The college environment is clean, safe, and welcoming to all students.

**Alisha Bhusal**

2080 Batch, CSIT

Students receive guidance for both academic and personal growth.

**Eurika KC**

2079 Batch, CSIT

Teachers explain concepts clearly and with real-life examples.

**Tilak Karki**

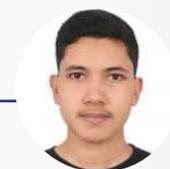
2079 Batch (BCA)

Science exhibitions encourage innovation and creativity.

**Sukhad Raila**

2081 Batch, CSIT

Classes are interactive and encourage student participation.

**Sahaj Khadka**

2081 Batch, BCA

All systems have updated hardware and software in the computer lab.

## IT EXPOSURE TO TEXAS STUDENTS: FOUNDATION FOR CAREER

### Yadab Pokhrel

CEO, Aussie IT Group, Australia



### Anjani Phuyal

Global CTO, Genese Solutions



### Umesh Raghubanshi

Board of Director, Info Developers Pvt. Ltd.



### Sovit Sharma

Head - Operations (Digital Payments), NCHL



### Sunil Kumar Shrestha

Former IT Directorate Chief, Nepal Police



### Arjun KC

Managing Director, Taximandu



### Chiranjibi Adhikari

Managing Director, One Cover Neapl Pvt. Ltd.



## CYBERSECURITY RESEARCHER

Acknowledged By:

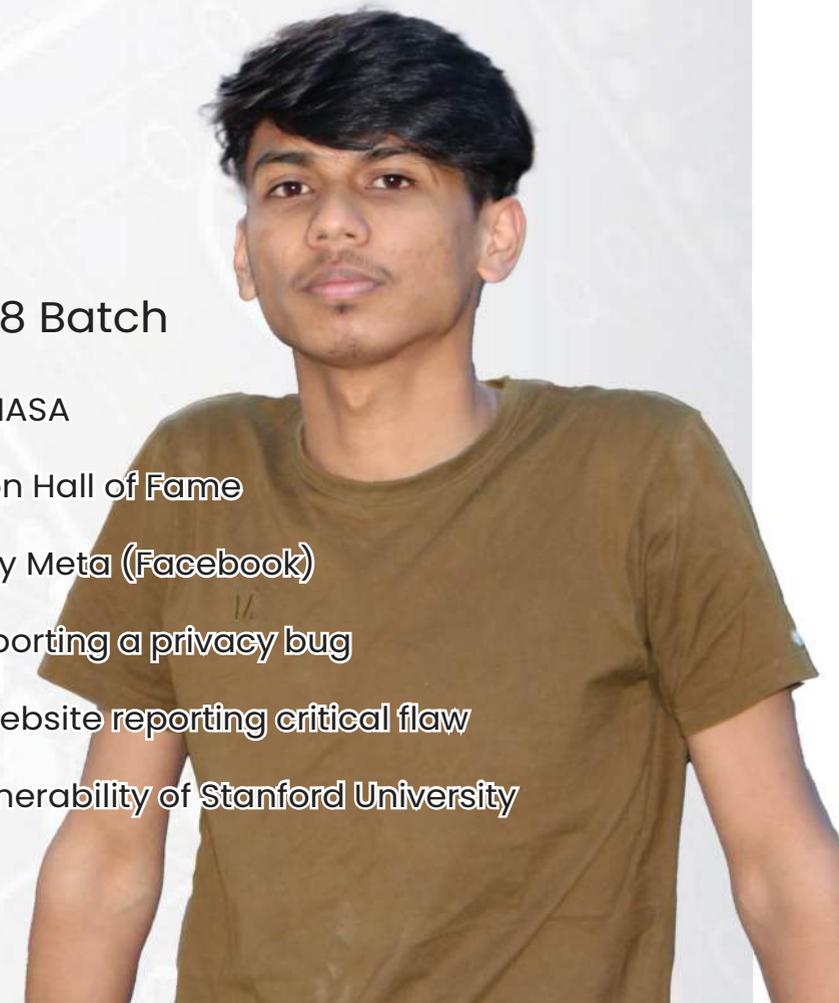


Featured in:



### Mr. Bipin Saud, CSIT 2078 Batch

- Identified the vulnerability of NASA
- Featured in the European Union Hall of Fame
- Featured in the Hall of Fame by Meta (Facebook)
- \$1000 award from Meta for reporting a privacy bug
- Secured Dutch Government website reporting critical flaw
- Secured medium-severity vulnerability of Stanford University
- ... and many more !!



## PROFESSIONAL COURSES

1. Software & Web Development
  - Full Stack Web Development (HTML, CSS, JavaScript, React, Node.js, PHP, Laravel)
  - Software Development (Java, PHP, Python, Swift, DevOps)
  - Mobile App Development (Android – Java/Kotlin, iOS – Swift, Flutter)
2. Data Science, AI & Robotics
  - Big Data & Data Science using R & Python
  - Machine Learning & AI Fundamentals
  - Data Visualization with Power BI
  - AI, IoT, and Robotics
3. Cloud & DevOps
  - Cloud Computing with AWS & Google Cloud
  - AWS Certified Advanced Networking Specialty
  - Certified Cloud Security Professional (CCSP)
  - DevOps (CI/CD, Git, GitHub, Docker basics)
4. Cybersecurity & Networking
  - Ethical Hacking & Cybersecurity Basics
  - Fortinet Network Security Expert (NSE)
  - Cisco Certifications:
    - Cisco Certified Network Associate (CCNA)
    - Cisco Certified Network Professional (CCNP)
    - Cisco Certified Internetwork Expert (CCIE)
  - Networking Basics & Certified Ethical Hacker (CEH)
  - VMware Certified Professional – Network Virtualization (VCPNV)
  - Certified Information Security Manager (CISM)
  - Certified Information Systems Auditor (CISA)

## PROFESSIONAL COURSES

5. Database & System Management
  - Database Management Systems (DBMS): MySQL, PostgreSQL, MongoDB
  - Database Design & SQL
  - System Administration Basics
6. Digital & Strategic Skills
  - Digital Marketing & SEO
  - Design Thinking & Strategic Communication
  - Leadership & LinkedIn Mastery
  - Stock Trading Techniques
7. Professional Tools & Skills
  - UI/UX Design (Figma, Adobe XD, Photoshop)
  - Project Management (Agile, SCRUM, Kanban)
  - Tally with Accounting Concepts
  - Professional Communication & Presentation
  - CV Writing & Interview Preparation Workshops

## INDUSTRY COLLABORATORS



## GLOBAL PARTNERS



## ENTREPRENEURSHIP SUPPORT PROGRAM AWARDEE

Acknowledged By: University Grants Commission (UGC) Nepal

Texas Business Incubation Center (TBIC), under the Research Learning and Development Department, proudly congratulates Mr. Saugat Shrestha for securing a Seed Fund of NPR 14,90,000 from the University Grants Commission (UGC) Nepal under the Entrepreneurship Support Program (ESP).

His innovative business venture, Saalik, has been recognized for its exceptional vision and potential, serving as an inspiration for aspiring entrepreneurs.

We commend his remarkable achievement and extend our best wishes for his continued success in his entrepreneurial journey.



## Mr. Saugat Shrestha, BCA 2080 Batch

- Idea - Saalik
- Supported by Texas Business Incubation Center
- Rs. 14,90,000/- Seed Fund from UGC





TEXAS ARCHIVE

TEXAS ARCHIVE

