



Anand Nagar, Krishnankoil - 626126, Srivilliputtur (via), Virudhunagar District, Tamilnadu.

APPLICATION FOR ADMISSION TO Ph.D. PROGRAMMES

Date of Application:05-12-2020

| | | | |
|------------------|-----------------------|-----------------|-----------|
| Department | COMPUTER APPLICATIONS | Application No. | 202020044 |
| Area of Research | DATA MINING | Research Mode | FULL TIME |

Name :FEBI ROY
Date of Birth / Age :28-05-1995 / 25 Years
Gender :FEMALE
Category :OC
e-Mail ID :febiroy85@gmail.com
Mobile :8593050423



| | | | |
|--|--------------|---|-----------|
| Father's/Husband's Name | A V ROY | Father's/Husband's Occupation | PLUMBER |
| Family Income | 120000 | Residential Type | URBAN |
| Birth Place | ALUVA | Mother Tongue | MALAYALAM |
| Religion | CHRISTIAN | Martial Status | SINGLE |
| Aadhaar No. | 718374244980 | PAN No. | NIL |
| Physically Challenged | NO | Type of Disability | - |
| Address for Communication: ATTUPURATH HOUSE SEMINARI PADI, U C COLLEGE P.O ALUVA ERNAKULM DISTRICT KERALA INDIA Pin-683102 | | Permenant Address: ATTUPURATH HOUSE SEMINARI PADI, U C COLLEGE P.O ALUVA ERNAKULM DISTRICT ERNAKULM 683102 Pin-683102 | |

| Qualification | | | | | | |
|----------------------------------|----------------------|--------------------------------------|-------------|----------|-------|---------|
| Degree | Discipline | College/university | Year Passed | AVG/CGPA | Class | Mode |
| MASTER OF COMPUTER APPLICATION | COMPUTER APPLICATION | MAHATMA GANDHI | 2020 | 69 | FIRST | REGULAR |
| BACHELOR OF COMPUTER APPLICATION | COMPUTER APPLICATION | MAHATMA GANDHI | 2016 | 7.84 | FIRST | REGULAR |
| SENIOR SECONDARY | BIOMATHS | CENTRAL BOARD OF SECONDARY EDUCATION | 2013 | 68 | FIRST | REGULAR |
| HIGHER SECONDARY | | CENTRAL BOARD OF SECONDARY EDUCATION | 2012 | 7.6 | FIRST | REGULAR |

| Experience | | | | |
|--------------|-------------|-----------------|---------------|-------------|
| Organization | Designation | Experience From | Experience TO | Work Nature |
| | | | | |

| Payment Details | | | | |
|------------------------|----------------|---------------------|--------|---------|
| Transaction ID | Reference | Date of transaction | Amount | Status |
| 202020044_201217180929 | VSM29568389197 | 17-12-2020 | 600 | SUCCESS |

Data Mining with Oracle using either Clustering or Classification Algorithms

Abstract

Data mining also known as knowledge discovery, involves finding unexpected but interesting patterns within enormous amounts of data that are normally stored in databases and data warehouses. Data Mining has three major components Clustering or Classification, Association Rules and Sequence Analysis which come in form of many algorithms proposed. Some of the algorithms have had better success than the others.

However, the commercial world is fast reacting to the growth and potential in this area as a wide range of tools are marketed under the label of data mining. The main objective of this project is to investigate two types of algorithms available in Oracle for data mining. Apply the two algorithms to actual data. Then, analyses the results and compare outcome in terms of accuracy, efficiency and effectiveness.

Literature Survey

The resources listed below will basically serve as a starting point for my research project. As the project progresses, more detailed resources will be required. These may help in the understanding of Oracle data mining algorithms.

Michael J.A. Berry and Gordon S. Linoff. *Mastering Data Mining*. The Art and Science of Customer Relationship Management, Wiley Computer Publishing, 2000. This will allow for the understanding and of uses of data mining. It also

discusses different methodologies used in data mining, thus it will help with evaluations of results.

Jiawei Han and Micheline Kamber, *Data mining: concepts and techniques*. San Francisco, California, Morgan Kaufmann, 2001. This book gives a wide range of information on the different algorithms used in data mining. It also discusses different uses for the algorithms. Therefore, it will be useful for analyzing performance of the data mining algorithms.

Timeline for Implementation

This is just an initial timeline that will help me focus on major events in the course of the project. The project will however be researched and developed using an iterative approach, where analysis, design and implementation will continuously be taking places.

Register No : 130021069857

Month & Year : March 2016

Mahatma Gandhi University

(Established by Kerala State Legislature by Notification No. 3431/Leg.D/1/85/Law, dated 17th April 1985)



FACULTY OF TECHNOLOGY AND APPLIED SCIENCES

*The Syndicate of the Mahatma Gandhi University hereby makes known that Smt **FEBI ROY** has been admitted to the **Degree of Bachelor of Computer Applications** she having been certified by duly appointed examiners to be qualified to receive the same and having been by them placed in the **B** grade with a **Cumulative Credit Point Average of 7.84** at the examination under **Choice Based Course-Credit-Semester System and Grading** held in **March 2016** with the following courses.*

Common Course I

ENGLISH

Core Course

COMPUTER APPLICATIONS

Complementary Course I

MATHEMATICS

Complementary Course II

STATISTICS

Open Course

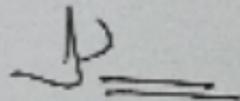
FUNDAMENTALS OF ACCOUNTING

Given under the seal of the University.

University Buildings
Priyadarshini Hills P.O
Kottayam - 686 560
Kerala, India

Dated: 17 AUGUST 2017




Vice-Chancellor

Mahatma Gandhi University

(Established by Kerala State Legislature by Notification
No.3431/Leg. C1/85/Law. dated 17th April 1985)

Sl.No. AI 049079

ID : MCAC2016G064000101



Kottayam

11-Mar-2020

PROVISIONAL CERTIFICATE

Certified that Sri/Smt FEBI ROY
has passed the following examination of the University with the details as shown below:
Name of the Examination :MCA Degree

Class : FIRST CLASS

FACULTY OF TECHNOLOGY AND APPLIED SCIENCES

Master of Computer Applications

Semester I Reg.No. 800077 June 2017

Semester II Reg.No. 800077 October 2017

Semester III Reg.No. 800077 May 2018

Semester IV Reg.No. 800077 November 2018

Semester V Reg.No. 800077 June 2019

Semester VI Reg.No. 800077 December 2019

Section EH-IV

Checked by

Section Officer



ASST. REGISTRAR VI
(EXAMS)

for CONTROLLER OF EXAMINATIONS

Serial No.: AC 028226

Section:EH-IV

Student ID:MCAC2016G064000101

Mahatma Gandhi University

(Established by Kerala State Legislature by Notification No. 3431/Leg. CI/85-Law, dated 17th April 1985)

Kottayam,
28-Feb-2018

MEMORANDUM

The following marks were awarded to Shri./Smt. FEBI ROY candidate with Register No. 800077 at the First Semester M C A Degree Examination June 2017

| SUBJECTS | Marks | | | | | | | | |
|---|----------|--------------|-----|----------|--------------|-----|--------------------------|--------------|------------|
| | External | | | Internal | | | Total | | |
| | Awarded | Min for Pass | Max | Awarded | Min for Pass | Max | Awarded | Min for Pass | Max |
| FACULTY OF TECHNOLOGY AND APPLIED SCIENCES | | | | | | | | | |
| MASTER OF COMPUTER APPLICATIONS | | | | | | | | | |
| MCA 101: Mathematical Foundations of Computer Science | 51 | 30 | 75 | 24 | 12.5 | 25 | 75 | 50 | 100 |
| MCA 102: Digital Systems and Logic Design | 48 | 30 | 75 | 21 | 12.5 | 25 | 69 | 50 | 100 |
| MCA 103: Computer Organization and Architecture | 39 | 30 | 75 | 22 | 12.5 | 25 | 61 | 50 | 100 |
| MCA 104: Principles of Management and Accounting | 60 | 30 | 75 | 24 | 12.5 | 25 | 84 | 50 | 100 |
| MCA 105: Structured Programming in C | 37 | 30 | 75 | 22 | 12.5 | 25 | 59 | 50 | 100 |
| MCA 106: C Programming Lab | 35 | 30 | 75 | 22 | 12.5 | 25 | 57 | 50 | 100 |
| MCA 107: PC Hardware Lab | 18 | 10 | 25 | 22 | 12.5 | 25 | 40 | 25 | 50 |
| MCA 108: Communication and Soft Skills | - | - | - | 40 | 25.0 | 50 | 40 | 25 | 50 |
| TOTAL | | | | | | | 485 | 350 | 700 |
| | | | | | | | (Four Eight Five) | | |
| *****End of statement***** | | | | | | | | | |

Checked by:

Section Officer:



CONTROLLER OF EXAMINATIONS

Serial No.: AC 083265

Section:EH-IV

Student ID:MCAC2016G064000101

Mahatma Gandhi University

(Established by Kerala State Legislature by Notification No.3431/Leg. CI/85/Law, dated 17th April 1985)



Kottayam,
09-Aug-2018

MEMORANDUM

The following marks were awarded to Shri./Smt. **FEBI ROY** candidate with Register No. 800077 at the Second Semester M C A Degree Examination October 2017

| SUBJECTS | Marks | | | | | | | | |
|--|----------|--------------|-----|----------|--------------|-----|-------------------------|--------------|------------|
| | External | | | Internal | | | Total | | |
| | Awarded | Min for Pass | Max | Awarded | Min for Pass | Max | Awarded | Min for Pass | Max |
| FACULTY OF TECHNOLOGY AND APPLIED SCIENCES | | | | | | | | | |
| MASTER OF COMPUTER APPLICATIONS | | | | | | | | | |
| MCA 201: Probability and Statistics | 38 | 30 | 75 | 23 | 12.5 | 25 | 61 | 50 | 100 |
| MCA 202: Data Structures and Analysis of Computer Algorithms | 57 | 30 | 75 | 22 | 12.5 | 25 | 79 | 50 | 100 |
| MCA 203: Microprocessors and Embedded Systems | 44 | 30 | 75 | 24 | 12.5 | 25 | 68 | 50 | 100 |
| MCA 204: Operating Systems | 44 | 30 | 75 | 23 | 12.5 | 25 | 67 | 50 | 100 |
| MCA 205: Object Oriented Programming with C++ | 40 | 30 | 75 | 23 | 12.5 | 25 | 63 | 50 | 100 |
| MCA 206: C++ Lab | 33 | 30 | 75 | 20 | 12.5 | 25 | 53 | 50 | 100 |
| MCA 207: Data Structures Lab in C | 36 | 30 | 75 | 22 | 12.5 | 25 | 58 | 50 | 100 |
| TOTAL | | | | | | | 449 | 350 | 700 |
| *****End of statement***** | | | | | | | (Four Four Nine) | | |

Checked by:

Aseeraj

Section Officer:

Km h



Deepa

CONTROLLER OF EXAMINATIONS

Serial No.: AC 049955

Section:EH-IV

Student ID:MCAC2016G064000101

Mahatma Gandhi University

(Established by Kerala State Legislature by Notification No. 14317.eg. CI/85/Law, dated 17th April 1985)



Kottayam,

22-Jan-2019

MEMORANDUM

The following marks were awarded to Shri./Smt. **FEBI ROY** candidate with Register No. **800077** at the Third Semester M C A Degree Examination May 2018

| SUBJECTS | Marks | | | | | | | | |
|---|----------|--------------|-----|----------|--------------|-----|-------------------------|--------------|------------|
| | External | | | Internal | | | Total | | |
| | Awarded | Min for Pass | Max | Awarded | Min for Pass | Max | Awarded | Min for Pass | Max |
| FACULTY OF TECHNOLOGY AND APPLIED SCIENCES | | | | | | | | | |
| MASTER OF COMPUTER APPLICATIONS | | | | | | | | | |
| MCA 301: Java and Web Programming | 61 | 30 | 75 | 23 | 12.5 | 25 | 84 | 50 | 100 |
| MCA 302: Software Engineering | 44 | 30 | 75 | 23 | 12.5 | 25 | 67 | 50 | 100 |
| MCA 303: System Software | 43 | 30 | 75 | 23 | 12.5 | 25 | 66 | 50 | 100 |
| MCA 304: Data Base Management Systems | 47 | 30 | 75 | 21 | 12.5 | 25 | 68 | 50 | 100 |
| MCA 305: Data Communications | 45 | 30 | 75 | 22 | 12.5 | 25 | 67 | 50 | 100 |
| MCA 306: Java Programming - Lab | 40 | 30 | 75 | 23 | 12.5 | 25 | 63 | 50 | 100 |
| MCA 307: DBMS - Lab | 42 | 30 | 75 | 24 | 12.5 | 25 | 66 | 50 | 100 |
| TOTAL | | | | | | | 481 | 350 | 700 |
| *****End of statement***** | | | | | | | (Four Eight One) | | |

Checked by:

Aseeraj

Section Officer:

Am h



Deepa
CONTROLLER OF EXAMINATIONS

Serial No.: AJ 030219

Mahatma Gandhi University

(Established by Kerala State Legislature by Notification No. 3431/Leg. C/85/Law, dated 17th April 1985)

Section EH-IV

Student ID: MCAC2016G064000101



Kottayam,
17-Sep-2019

MEMORANDUM

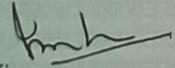
The following marks were awarded to Shri./Smt. **FEBI ROY** candidate with Register No. 800077 at the Fourth Semester MCA Degree Examination November 2018

| SUBJECTS | Marks | | | | | | | | |
|---|----------|--------------|-----|----------|--------------|-----|------------|--------------|------------|
| | External | | | Internal | | | Total | | |
| | Awarded | Min for Pass | Max | Awarded | Min for Pass | Max | Awarded | Min for Pass | Max |
| FACULTY OF TECHNOLOGY AND APPLIED SCIENCES | | | | | | | | | |
| MASTER OF COMPUTER APPLICATIONS | | | | | | | | | |
| MCA 401: Operations Research | 38 | 30 | 75 | 22 | 12.5 | 25 | 60 | 50 | 100 |
| MCA 402: Computer Networks | 34 | 30 | 75 | 21 | 12.5 | 25 | 55 | 50 | 100 |
| MCA 403: Linux and Shell Programming | 33 | 30 | 75 | 21 | 12.5 | 25 | 54 | 50 | 100 |
| MCA 404: Object Oriented Modeling and Design | 54 | 30 | 75 | 23 | 12.5 | 25 | 77 | 50 | 100 |
| MCA 405: Elective I: Management Information Systems | 32 | 30 | 75 | 21 | 12.5 | 25 | 53 | 50 | 100 |
| MCA 406: Linux Lab | 61 | 30 | 75 | 24 | 12.5 | 25 | 85 | 50 | 100 |
| MCA 407: Open Source Lab - Python/PHP | 41 | 30 | 75 | 23 | 12.5 | 25 | 64 | 50 | 100 |
| TOTAL | | | | | | | 448 | 350 | 700 |

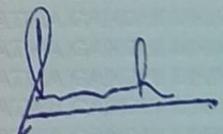
(Four Four Eight)

*****End of statement*****

Checked by: 

Section Officer: 




CONTROLLER OF EXAMINATIONS



Mahatma Gandhi University

(Established by Kerala State Legislature by Notification No.3431/Leg. CI/85/Law, dated 17th April 1985)



Section:EH-IV

Student ID:MCAC2016G064000101

Priyadarsini Hills P.O,
Kottayam
21-Dec-2019

MEMORANDUM

The following marks were awarded to Shri./Smt. **FEBI ROY** candidate with Register No. **800077** at the Fifth Semester M C A Degree Examination June 2019

| SUBJECTS | Marks | | | | | | | | |
|---|----------|--------------|-----|----------|--------------|-----|-------------------------|--------------|------------|
| | External | | | Internal | | | Total | | |
| | Awarded | Min for Pass | Max | Awarded | Min for Pass | Max | Awarded | Min for Pass | Max |
| FACULTY OF TECHNOLOGY AND APPLIED SCIENCES | | | | | | | | | |
| MASTER OF COMPUTER APPLICATIONS | | | | | | | | | |
| MCA 501: Computer Security | 52 | 30 | 75 | 22 | 12.5 | 25 | 74 | 50 | 100 |
| MCA 502: Internet Technology and Distributed Applications | 32 | 30 | 75 | 21 | 12.5 | 25 | 53 | 50 | 100 |
| MCA 503 : Computer Graphics | 58 | 30 | 75 | 22 | 12.5 | 25 | 80 | 50 | 100 |
| MCA 504: Data Mining | 44 | 30 | 75 | 24 | 12.5 | 25 | 68 | 50 | 100 |
| MCA 505: Elective II: XML & Web Services | 51 | 30 | 75 | 21 | 12.5 | 25 | 72 | 50 | 100 |
| MCA 506: Computer Graphics Lab | 21 | 10 | 25 | 23 | 12.5 | 25 | 44 | 25 | 50 |
| MCA 507: Seminar | - | - | - | 40 | 25 | 50 | 40 | 25 | 50 |
| MCA 508: Mini Project | - | - | - | 78 | 50 | 100 | 78 | 50 | 100 |
| TOTAL | | | | | | | 509 | 350 | 700 |
| | | | | | | | (Five Zero Nine) | | |
| *****End of statement***** | | | | | | | | | |

Checked by:

Section Officer:



CONTROLLER OF EXAMINATIONS



Mahatma Gandhi University

(Established by Kerala State Legislature by Notification No.3431/Leg. CE85/Law, dated 17th April 1985)



Section:EH-IV

Student ID:MCAC2016G064000101

Priyadarsini Hills P.O,
Kottayam
24-Feb-2020

MEMORANDUM

The following marks were awarded to Shri./Smt. **FEBI ROY** candidate with Register No. **800077** at the Sixth Semester M C A Degree Examination December 2019

| SUBJECTS | Marks | | | | | | | | |
|---|----------|--------------|-----|----------|--------------|--------------------------------|-------------|--------------|-------------|
| | External | | | Internal | | | Total | | |
| | Awarded | Min for Pass | Max | Awarded | Min for Pass | Max | Awarded | Min for Pass | Max |
| FACULTY OF TECHNOLOGY AND APPLIED SCIENCES | | | | | | | | | |
| MASTER OF COMPUTER APPLICATIONS | | | | | | | | | |
| MCA 601: Project | 175 | 80 | 200 | 171 | 100 | 171 | 346 | 200 | 400 |
| MCA 602: Viva Voce | 60 | 50 | 100 | - | - | - | 60 | 50 | 100 |
| TOTAL FOR Semester 6 | | | | | | | 406 | 250 | 500 |
| TOTAL FOR Semester 1 | | | | | | | 485 | 350 | 700 |
| TOTAL FOR Semester 2 | | | | | | | 449 | 350 | 700 |
| TOTAL FOR Semester 3 | | | | | | | 481 | 350 | 700 |
| TOTAL FOR Semester 4 | | | | | | | 448 | 350 | 700 |
| TOTAL FOR Semester 5 | | | | | | | 509 | 350 | 700 |
| GRAND TOTAL | | | | | | | 2778 | 2000 | 4000 |
| | | | | | | (Two Seven Seven Eight) | | | |
| *****End of statement***** | | | | | | | | | |

Checked by:

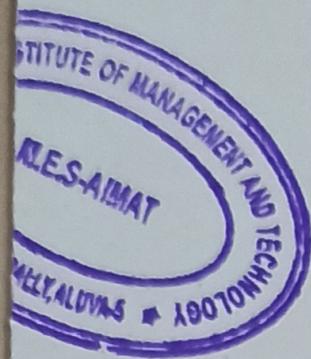
Ascenaf

Section Officer:

[Signature]



[Signature]
CONTROLLER OF EXAMINATIONS



M.E.S - AIMAT

M.E.S - ADVANCED INSTITUTE OF MANAGEMENT AND TECHNOLOGY, MARAMPALLY, ALUVA-7

TRANSFER CERTIFICATE

515/2020

Sl. No.

Ad. No. 1458/2016

1. Name of the Student..... FEBI ROY

2. Date of Birth as entered }
in the Admission Register } 28-05-1995

3. Admitted on..... 19-07-2016 into..... S1 MCA Class

4. Left on..... 13-12-2019 from..... S6 MCA Class

5. Subject studied..... MASTER OF COMPUTER APPLICATIONS

6. Whether qualified for Promotion to higher class } COURSE COMPLETED

7. a) University Examination for } Name..... S6 MCA

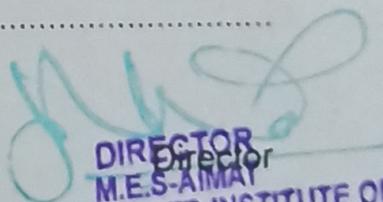
which the student has been last } Year..... 2019

presented from the college } Reg. No..... 800077

b) Whether course completed of Not..... COMPLETED

8. Whether the student has cleared }
all the dues to the college } YES

Date: 16/12/2020

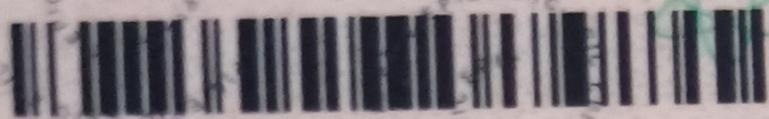

DIRECTOR
M.E.S - AIMAT
M.E.S. ADVANCED INSTITUTE OF
MANAGEMENT AND TECHNOLOGY
MARAMPALLY



ഇന്ത്യൻ തിരഞ്ഞെടുപ്പ് കമ്മീഷൻ

ELECTION COMMISSION OF INDIA

സമ്മതിഭാരതക ഘോഷ്ടാ തിരിച്ചറിയാൽ കാർഡ് - ELECTOR PHOTO IDENTITY CARD



UZO0520783



പേര്

: ഫെബി റോയ്

NAME

: Febi Roy

അച്ഛന്റെ

: റോയി

പേര്

FATHER'S

: Roy

NAME

भारत निर्वाचन आयोग



ഭാരത സർക്കാർ

Government of India

ഫെബി റോയ്

FEBIROY

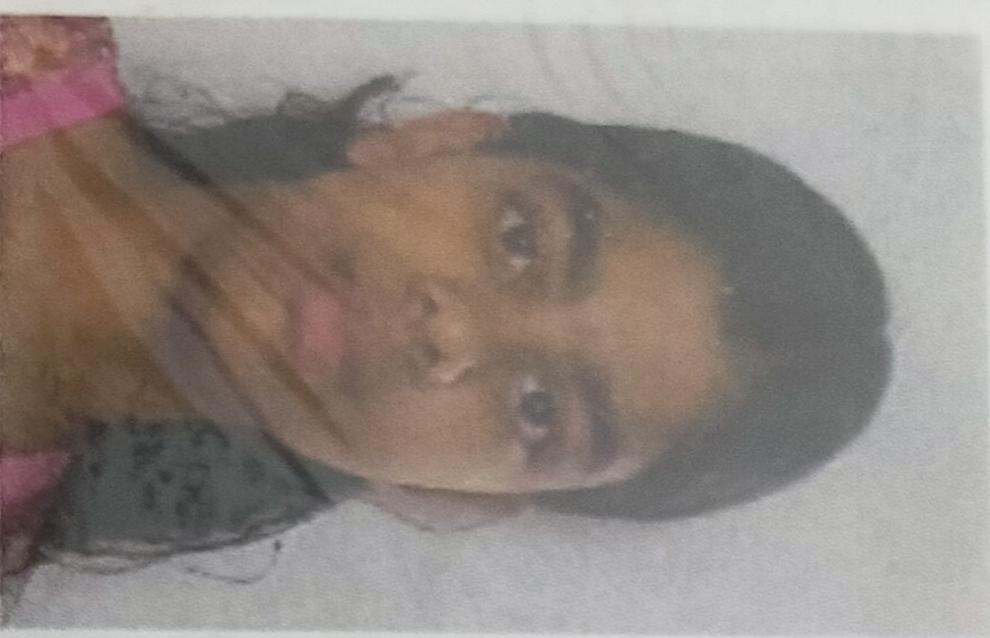
അച്ഛൻ : എ വി റോയ്

Father : A V ROY

ജനന വർഷം/Year of Birth: 1995

സ്ത്രീ / Female

7183 7424 4980

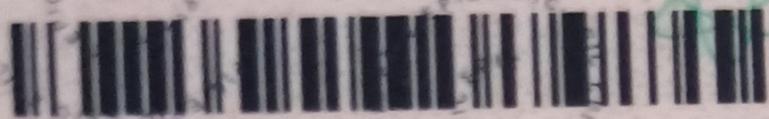




ഇന്ത്യൻ തിരഞ്ഞെടുപ്പ് കമ്മീഷൻ

ELECTION COMMISSION OF INDIA

സമ്മതിഭാരതക ഘോഷ്ടാ തിരിച്ചറിയാൽ കാർഡ് - ELECTOR PHOTO IDENTITY CARD



UZO0520783



പേര്

: ഫെബി റോയ്

NAME

: Febi Roy

അച്ഛന്റെ

: റോയി

പേര്

FATHER'S

: Roy

NAME

भारत निर्वाचन आयोग