

• 2019-20

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3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the year
(INR in Lakhs) **2019-20**

	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non- Government)	
1	Gramin Kadambaritil Pratike ani Mitthakancha abhyas	Dr.Choure Atul Narayan	Marathi	10,000/-	1year	Seed Money	Non-Government	
2	Study Method of Biometric Finger Impression Data Analysis	Prof.Mali Mayur Dattatrya	BBA(CA)	10,000/-	1year	Seed Money	Non-Government	



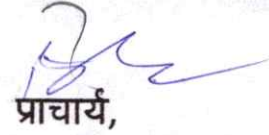
रयत शिक्षण संस्थेचे,

डॉ. बाबासाहेब आंबेडकर महाविद्यालय औंध पुणे 67

सूचना

१२/०८/२०१९

महाविद्यालयातील सर्व वरिष्ठ विभागातील सहकाऱ्यांना कळविण्यात येते की, महाविद्यालयाने लघुसंशोधन प्रकल्प योजनेसाठी 'सीड मनी' अंतर्गत आर्थिक सहाय्याची तरतूद केलेली आहे. तरी ज्या संशोधकांनी लघुसंशोधन प्रकल्प घेतलेले आहेत त्यांनी आपल्या संशोधन प्रकल्पाची संक्षिप्त रूपरेषा संशोधन समिती समोर दि. १७/०८/२०१९ रोजी दुपारी ठीक ०१.३० वा. स्टाफ रुममध्ये सादर करावी.


प्राचार्य,

डॉ. बाबासाहेब आंबेडकर महाविद्यालय,
औंध पुणे 67



Translation

Rayat Shikshan Sanstha's,
Dr. Babasaheb Ambedkar Mahavidyalaya, Aundh, Pune-67
Research Committee

Notice**Date-12/08/2019**

All the professors of the senior department are hereby informed that, the college has provided financial assistance under 'seed money' for the research project plan. So to present the outline plan of the research project, everyone needs to present before the research committee, on 17/ 08/ 2019 at exactly 1.30 PM.




PRINCIPAL
Dr. Babasaheb Ambedkar College,
Aundh, Pune-67.

दि. १२/०८/२०१९ ला काढलेल्या सूचनेनुसार संशोधन समितीची सभा १७/०८/२०१९ रोजी दुपारी ११.३० वा. मान. प्राचार्य डॉ. शिवलिंग मेनकुदळे यांच्या अध्यक्षतेखाली व प्रा. डॉ. तानाजी हातेकर यांच्या उपस्थितीत संपन्न झाली. त्यावेळी खालील अध्यापकांनी सीडमनी अंतर्गत मिळालेल्या लघु संशोधन प्रकल्पाची रूपरेषा सभेत सादर केली

सभेचे इतिवृत्त

विषय क्रमांक १ - प्रा. डॉ.अतुल नारायण चौरे यांनी घेतलेल्या लघु संशोधन प्रकल्पाचे सादरीकरण करावे

ठराव १ - . डॉ.अतुल नारायण चौरे यांच्या "ग्रामीण कादंबरीतील प्रतिके आणि मिथकांचा सामाजिक, सांस्कृतिक आणि वाङ्मयीन अभ्यास (सन २००० नंतरच्या निवडक दहा कादंबऱ्यासंदर्भात) " या विषयास मंजूरी देण्यात आली
सूचक : प्रा. डॉ. तानाजी हातेकर

अनुमोदक : प्रा.डॉ.संजय नगरकर

ठराव सर्वानुमते मंजूर करण्यात आला

विषय क्रमांक १ - प्रा.मयूर माळी यांनी घेतलेल्या लघु संशोधन प्रकल्पाचे सादरीकरण करावे

ठराव १ - . प्रा.मयूर माळी यांच्या "Study Method of Biometric finger Impression Data Analysis " या विषयास मंजूरी देण्यात आली

सूचक : प्रा. डॉ. तानाजी हातेकर

अनुमोदक : प्रा.डॉ.संजय नगरकर

ठराव सर्वानुमते मंजूर करण्यात आला


PRINCIPAL

Dr. Babasaheb Ambedkar College,
Aundh, Pune-67.



Translation

**Rayat Shikshan Sanstha's,
Dr. Babasaheb Ambedkar Mahavidyalaya, Aundh, Pune-67**

Research Committee

Resolution

Date- 17/08/2019

As per the instructions issued in earlier notice, on 17.8.2019 at 11.30PM, the meeting was concluded under the chairmanship of Hon. Principal Dr. Shivling Menkudale. Dr. Tanaji Hatekar was also present before the Scrutiny of the Research Projects under the 'Seed Money'.

Minutes of the meeting

Subject No-1 Dr. Atul Chawre explained his subject.

Resolution-1 'Social, cultural and ideological study of symbols and myths in rural novels (with reference to selected ten novels after the year 2000)', Dr. Atul Chawre's topic was approved and he was asked to type the outline of a short research project on this topic within two days.

Pointer- Dr. Tanaji Hatekar

Endorser- Dr. Sanjay Nagarkar

Resolution unanimously approved.



Subject No-2 Mr. Harshad Jadhav explained his subject.

Resolution-2 'A Role of Agro-Tourism Industry in Rural Development" (Special Reference – Pune District), Mr. Harshad Jadhav's topic was approved and he was asked to type the outline of a short research project on this topic within eight days.

Pointer- Dr. Tanaji Hatekar

Endorser- Dr. Sanjay Nagarkar

Resolution unanimously approved.

Subject No-3 Mr. Kushal Ramesh Pakhale explained his subject.

Resolution-3 'A Study of Internet Advertising in Indian Perspective', Dr. Kushal Ramesh Pakhale's topic was approved and he was asked to type the outline of a short research project on this topic within eight days.

Pointer- Mr. Nalini Pacharne

Endorser- Dr. Ramesh Randive

Resolution unanimously approved.

Subject No-4 Mr. Kiran Kumbhar explained his subject.

Resolution-4 'Military History of Satara District" (AD 1600 to AD 1818)', Mr. Kiran Kumbhar's topic was approved and he was asked to type the outline of a short research project on this topic within eight days.

Pointer- Dr. Sanjay Nagarkar





Endorser- Dr.Nalini Pacharne

Resolution unanimously approved.

Subject No-5 Dr.Rajendra Raskar explained his subject.

Resolution-5 'Physical study of historical places in Pune city.', Dr.Rajendra Raskar's topic was approved and he was asked to type the outline of a short research project on this topic within eight days.

Pointer- Dr.Tanaji Hatekar

Endorser- Dr.Ramesh Randive

Resolution unanimously approved.

Subject No-6 Dr.Suhas Nimbalkar explained his subject.

Resolution-6 'Predicting Value Drivers for Supply Chain 4.0: Structured Equation Modeling Approach', Dr.Suhas Nimbalkar's topic was approved and she was asked to type the outline of a short research project on this topic within eight days.

Pointer-Dr.Tanaji Hatekar

Endorser- Dr.Sanjay Nagarkar

Resolution unanimously approved.

Subject No-6 Mr.Mayur Mali explained his subject.

Resolution-6 'Study Method of Biometric Finger Impression Data Analysis', Dr.Suhas Nimbalkar's topic was approved and she was asked to type the outline of a short research project on this topic within eight days.

Pointer-Dr.Tanaji Hatekar

Endorser- Dr.Sanjay Nagarkar

Resolution unanimously approved.




PRINCIPAL
Dr. Babasaheb Ambedkar College,
Aundh, Pune-67.

Rayat Shikshan Sanstha's

Dr. Babasaheb Ambedkar College Aundh, Pune – 411067

Academic Research Committee

To

Dr. Choure Atul Narayan

Assistant Professor,
Department of Marathi,
Dr. Babasaheb Ambedkar College, Aundh Pune.

Subject: Financial assistance to college teachers for undertaking seed money Research Projects Release of installment.

Sir,

ARC on the recommendations of the Expert Committee has approved the Seed money Project entitled “ग्रामीण कादंबरीतील प्रतिके आणि मिथकांचा सामाजिक, सांस्कृतिक आणि वाङ्मयीन अभ्यास” (सन २००० नंतरच्या निवडक दहा कादंबऱ्यांसंदर्भात)” in the subject to be undertaken, Dr. Babasaheb Ambedkar College Aundh, Pune –411067. The financial assistance of the ARC would be limited to Rs.10000(Rupees ten thousand Only) for a period of one year. An amount of Rs.10000/- (Rupees Ten thousand Only) is sanctioned.

On which you are requested immediately purchase the reference books of Rs.2000/- with support of central library.





Sr No	Non-Recurring Grant for Two years	Sanctioned Amount (Rs)	Sr No	Recurring Expenses	Sanctioned Amount (Rs)	Total
1	Books and Journals	2000 /-	1	Contingency	3500 /-	
2	Contribution for publication	2000 /-	2	Travel/Field work survey etc.	2500 /-	
	Total (Rs.)	4000 /-			6000 /-	10,000/-

The Amount allotted in different heads is inter transferable with the prior permission of research committee

Total amount for the Project: 10000/-

The grant is subject to the terms and conditions as mentioned below.

1. A Certificate of Acceptance of the conditions governing the research project should be sent immediately to this committee.
2. The amount of the grant shall be drawn by the Dr. Babasaheb Ambedkar College on the grant -in-aid bill and shall be disbursed to and credited to the above-mentioned institute through Cheque/D.D.
3. The sanctioned amount is debatable to the major Head 5.3.3 and is valid for payment during the financial year 2020-2021 only.
4. The grant is subject to adjustment on the basis of Utilization Certificate in prescribed proforma submitted on month of Nov.2021.

NOTE:

1. Date of implementation will be the date of sanction of first installment.
2. The researcher is required to submit an Acceptance Certificate of the project in the Academic Research Committee.
3. Please send one copy of the project completion report to office superintendent, Dr. Babasaheb Ambedkar College Aundh Pune 411067

Chairman

(Dr. Sanjay P. Nagarkar)
Academic Research Committee
Dr. Babasaheb Ambedkar College,
Aundh, Pune



Principal
Dr. Babasaheb Ambedkar College,
Aundh, Pune-67.

मेग

खर्चाची पावती Voucher Receipt

दिनांक : 18/11/2020

मा. प्राचार्य, डॉ. बाबासाहेब आंबेडकर महाविद्यालय, औंध, पुणे - ६७ यांना

पावती लिहून देणार
राहणार

डॉ. अतुल नारायण चोरे

पावती लिहून देतो की, तपशीलाप्रमाणे आज रोजी पैसे मिळाले. काही तक्रार नाही.

Dr. Atul Narayan Choure

खाते

तपशील

रुपये

पैसे

रिसर्च प्रोजेक्ट अंतर्गत सीडमनी मिळाले.

Received seed money under research project.
(000936)

10,000 00

एकूण (अक्षरी व अंकी रुपये)

दहा हजार रुपये फक्त

10,000 00

वरील तपशीलाप्रमाणे रक्कम अदा करून ही पावती रद्द केली.

दिनांक : / / 20

PAID & CANCELLED

Cashier

H. C.

Supt.

Principal

पैसं

ही

Jan 2020/25

Projects Release of





Rayat Shikshan Sanstha's

Dr. Babasaheb Ambedkar College Aundh, Pune – 411067

Academic Research Committee

To

Dr. Choure Atul Narayan

Assistant Professor,

Department of Marathi,

Dr. Babasaheb Ambedkar College, Aundh Pune.

Subject: Financial assistance to college teachers for undertaking seed money Research Projects Release of installment.

Sir,

ARC on the recommendations of the Expert Committee has approved the Seed money Project entitled “ग्रामीण कादंबरीतील प्रतिके आणि मिथकांचा सामाजिक, सांस्कृतिक आणि बाड्मधीन

अभ्यास” (सन २००० नंतरच्या निवडक दहा कादंबऱ्यांसंदर्भात)” in the subject to be undertaken,

Dr. Babasaheb Ambedkar College Aundh, Pune –411067. The financial assistance of the ARC would be limited to Rs.10000(Rupees ten thousand Only) for a period of one year. An amount of Rs.10000/- (Rupees Ten thousand Only) is sanctioned.

On which you are requested immediately purchase the reference books of Rs.2000/- with support of central library.



Sr No	Non-Recurring Grant for Two years	Sanctioned Amount (Rs)	Sr No	Recurring Expenses	Sanctioned Amount (Rs)	Total
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2	Contribution for publication	2000 /-	2	Travel/Field work survey etc.	2500 /-	
	Total (Rs.)	4000 /-			6000 /-	10,000/-

The Amount allotted in different heads is inter transferable with the prior permission of research committee

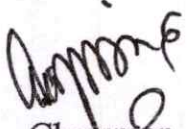
Total amount for the Project: 10000/-

The grant is subject to the terms and conditions as mentioned below.

1. A Certificate of Acceptance of the conditions governing the research project should be sent immediately to this committee.
2. The amount of the grant shall be drawn by the Dr. Babasaheb Ambedkar College on the grant -in-aid bill and shall be disbursed to and credited to the above-mentioned institute through Cheque/D.D.
3. The sanctioned amount is debatable to the major Head 5.3.3 and is valid for payment during the financial year 2020-2021 only.
4. The grant is subject to adjustment on the basis of Utilization Certificate in prescribed proforma submitted on month of Nov.2021.

NOTE:

1. Date of implementation will be the date of sanction of first installment.
2. The researcher is required to submit an Acceptance Certificate of the project in the Academic Research Committee.
3. Please send one copy of the project completion report to office superintendent, Dr. Babasaheb Ambedkar College Aundh Pune 411067


 Chairman
 (Dr. S.P. Nagarkar)
 Academic Research Committee
 Dr. Babasaheb Ambedkar College,
 Aundh, Pune




PRINCIPAL
 Dr. Babasaheb Ambedkar College,
 Aundh, Pune-67.

Rayat Shikshan Sanstha's

Dr. Babasaheb Ambedkar College, Aundh, Pune-67

College Seed Money Fund (2019-20)



Application Form for College Seed Money –

Applicant Name & Address: Dr. Choure Atul Narayan

Birth Date : 19 March 1984

Email Id : choureatul.paru@gmail.com

Mobile No. : 8169424517

Department/Class: Marathi

Project Title : ‘ग्रामीण कादंबरीतील प्रतिके आणि मिथकांचा सामाजिक, सांस्कृतिक आणि वाङ्मयीन अभ्यास’ (सन २००० नंतरच्या निवडक दहा कादंबऱ्यांसंदर्भात)

Objective :

- i. ग्रामीण कादंबरी वाङ्मयप्रकाराची स्वरूप व संकल्पना स्पष्ट करणे.
- ii. प्रतीके व्याख्या, संकल्पना व स्वरूप यांचा अभ्यास करणे.
- iii. मिथक व्याख्या, संकल्पना व स्वरूप यांचा अभ्यास करणे.
- iv. ग्रामीण कादंबरीतील प्रतिके आणि मिथकांचा सामाजिक अभ्यास करणे.
- v. ग्रामीण कादंबरीतील प्रतिके आणि मिथकांचा सांस्कृतिक अभ्यास करणे.
- vi. ग्रामीण कादंबरीतून प्रकटनाऱ्या प्रतिके आणि मिथकांचा वाङ्मयीन अभ्यास करणे.
- vii. जागतिकीकरणात प्रतिके आणि मिथकांचे सामाजिक, सांस्कृतिक आणि वाङ्मयीन महत्त्व स्पष्ट करणे.

viii. Summary of the proposal: Attached

ix. Research Methodology:

प्रस्तुत संशोधनासाठी ‘ग्रामीण कादंबरीतील प्रतिके आणि मिथकांचा सामाजिक, सांस्कृतिक आणि वाङ्मयीन अभ्यास’ (सन(निवडक दहा कादंबऱ्यांसंदर्भात नंतरच्या २००० हा विषय निवडला आहे. त्यासाठी पुढील संशोधन पद्धतींचा वापर करणार आहे. सामाजिक अभ्यास पद्धती, ऐतिहासिक अभ्यास पद्धती, मानसशास्त्रीय अभ्यास पद्धती, वर्णनात्मक अभ्यास पद्धती, ग्रंथालयीन अभ्यास पद्धती इतर अभ्यास पद्धतींचा वापर करून समाजउपयोगी संशोधन करणार आहे.

**x. Proposal Outcome:**

ग्रामीण कादंबरीतील प्रतिके आणि मिथकांच्या आधारे ग्रामीण जीवनातील सामाजिक, सांस्कृतिक आणि वाङ्मयीन संदर्भ शोधने.

xi. Plan of Work:

Sr. No.	Period of Work	Content
1	First 3 Month	Introduction Research Design
2	Second 3 Month	Research Design
3	Third 3 Month	Review of Literature Findings & Analysis
4	Last 3 Month	Conclusion & Suggestions.

xii. Budget Summary:

A) Book & Journals	: 2000
B) Contribution for Publication	: 2000
C) Field Work, Travel & Conveyance	: 2500
D) Contingency	: 3500


Applicant's Signature

Seed money project

डॉ.अतुल नारायन चौरे
मराठी विभाग

प्रति,
मा.प्राचार्य,
डॉ.बाबासाहेब आंबेडकर महाविद्यालय,
औंध पुणे - ६७

हमीपत्र

महोदय,

अॅकेडेमिक रिसर्च कमिटीव्दारा शैक्षणिक वर्ष २०२०-२१ मध्ये मंजूर करण्यात आलेल्या सीडमनी प्रोजेक्टची रक्कम रु.१०,०००/- मी स्वीकारीत आहे. सदर रकमेचा विनियोग करताना मी खालील अटींचे पालन करीन.

- १) संदर्भ ग्रंथांसाठीची रक्कम रु.२०००/- दि.२५-११-२०२० अखेर विनियोग करून सदर ग्रंथ, ग्रंथालयाकडून अप्रॅक्ल करून घेईन व प्रकल्पपूर्ती झाल्यावर सदर ग्रंथ ग्रंथालयाकडे जमा करीन.
- २) १० नोव्हेंबर २०२१ पूर्वी मी माझे संशोधन पूर्ण करून, संशोधन प्रकल्प ३ प्रतीत संशोधन समितीकडे जमा करीन..
- ३) सदर प्रकल्प नियोजित तारखेच्या आत पूर्ण न केल्यास मंजूर रक्कम १०% व्याजासह महाविद्यालयाकडे जमा करीन.

आपला विश्वासू,

(Signature)

डॉ.अतुल नारायन चौरे
मराठी विभाग



10/11/21
10,000/-
21/12/21
Ambedkar

Translation**Letter of Guarantee**

Dr. Atul Narayan Choure

Department of Marathi

To,

Hon. Pricipal,

Dr. Babasaheb Ambedkar Mahavidyalya,

Aundh – Pune 67

Guarantee

Sir,

The Seedmoney project sanctioned by the Academic Research Committee for the academic year 2020-21 is Rs. 10,000 I accept. While appropriating the said amount, I will follow the following conditions

- 1) Reference Textbook Rs.2000/-
- 2) If the submitted project is not completed, the sanctioned amount will be returned to the college with 10% interest



Dr. Babasaheb Ambedkar College,
Aundh, Pune-67.



Rayat Shikshan Sanstha's
Dr. Babasaheb Ambedkar College, Aundh, Pune-67
College Seed Money Fund
Academic Research Committee

Application Form for College Seed Money Project

- i. **Applicant Name & Address:** Prof. Mayur Dattatray Mali, Ambegaon (BK), Pune.
- ii. **Birth Date** : 19th June 1994
- iii. **Email Id** : mayurmali001@gmail.com
- iv. **Mobile No.** : 9168511313
- v. **Department/Class** : BBA(CA)
- vi. **Project Title:** "To Study Method of Biometric Finger Impression Data Analysis".
- vii. **Objective** :
 - a) To examine the unique finger impression portrayal framework that employs details coordinating procedure and edge include maps.
 - b) To build up a half and half unique finger impression coordinating procedure that consolidates details data with edge include a guide to creating a solitary coordinating score for better execution.
 - c) To coordinate data accessible in two unique impressions of a similar finger to set up a composite data from the individual impressions. Misaiming the pictures and afterward extricating (layout) particulars for better coordinating execution.
 - d) To extricate Scale Invariant Key Points for the viable confirmation of fingerprints.
 - e) To build up a twisting model for assessing bending impacts in unique finger impression impressions dependent on edge bend correspondence.
 - f) To build up a multi biometric framework utilizing unique finger impression, face, iris and mark qualities for the better execution of biometric framework.
- viii. **Summary of the proposal :** Attached
- ix. **Research Methodology** : Used by Primary data and secondary data.
- x. **Proposal Outcome** : To Comparatively Analyze one of the best methods of Biometric Finger Impression through Data Analysis



xi. Plan of Work :

Sr. No.	Period of Work	Content
1	First 3 Months	Introduction Research Design
2	Second 3 Months	Research Design
3	Third 3 Months	Review of Literature Findings & Analysis
4	Last 3 Months	Conclusion & Suggestions.

xii. Budget Summary :

A) Book & Journals	: 2000
B) Contribution for Publication	: 2000
C) Field Work, Travel & Conveyance	: 2500
D) Contingency	: 3500

**Applicant's Signature
(Dept of BBA CA)**



खर्चाची पावती

दिनांक : 18/11/2020

मा. प्राचार्य, डॉ. बाबासाहेब आंबेडकर महाविद्यालय, औंध, पुणे - ६७ यांना

पावती लिहून देणार

प्रा. मयूर माळी (Mayur Mali)

राहणार

पावती लिहून देतो की, तपशीलाप्रमाणे आज रोजी पैसे मिळाले. काही तक्रार नाही.

खाते

तपशील

रुपये

पैसे

विसर्च प्रोजेक्ट अंतर्गत सीड मनी मिळाले.

10,000 /-

Research Project under seed money received.

चेड नं. - 000939

18/11/2020

एकूण (अक्षरी व अंकी रुपये)

दहा हजार रुपये फक्त

10,000 /-

वरील तपशीलाप्रमाणे रक्कम अदा करून ही पावती रद्द केली.

दिनांक : 18/11/20

PAID & CANCELLED

Cashier

H. C.

Supt.

Principal

पैर

अही

Jan 2020/25





Rayat Shikshan Sanstha's

Dr. Babasaheb Ambedkar College Aundh, Pune – 411067

Academic Research Committee

To

Mr. Mayur Dattatray Mali, (C.H.B)

Assistant Professor and Head,

Department of BBA (CA),

Dr. Babasaheb Ambedkar College, Aundh Pune.

Subject: Financial assistance to college teachers for undertaking seed money Research Projects Release of installment.

Sir,

ARC on the recommendations of the Expert Committee has approved the Seed money Project entitled "To Study Method of Biometric Finger Impression Data Analysis" in the subject to be undertaken, Dr. Babasaheb Ambedkar College Aundh, Pune –411067. The financial assistance of the ARC would be limited to Rs.10000(Rupees ten thousand Only) for a period of one year. An amount of Rs.10000/- (Rupees Ten thousand Only) is sanctioned.

On which you are requested immediately purchase the reference books of Rs.2000/- with support of central library.

Sr No	Non-Recurring Grant for Two years	Sanctioned Amount (Rs)	Sr No	Recurring Expenses	Sanctioned Amount (Rs)	Total
1	Books and Journals	2000 /-	1	Contingency	3500 /-	
2	Contribution for publication	2000 /-	2	Travel/Field work survey etc.	2500 /-	
	Total (Rs.)	4000 /-			6000 /-	10,000/-

The Amount allotted in different heads is inter transferable with the prior permission of research committee

Total amount for the Project: 10000/-

The grant is subject to the terms and conditions as mentioned below.

1. A Certificate of Acceptance of the conditions governing the research project should be sent immediately to this committee.
2. The amount of the grant shall be drawn by the Dr. Babasaheb Ambedkar College on the grant -in-aid bill and shall be disbursed to and credited to the above-mentioned institute through Cheque/D.D.
3. The sanctioned amount is debatable to the major Head 5.3.3 and is valid for payment during the financial year 2020-2021 only.
4. The grant is subject to adjustment on the basis of Utilization Certificate in prescribed proforma submitted on month of Nov.2021.

NOTE:

1. Date of implementation will be the date of sanction of first installment.
2. The researcher is required to submit an Acceptance Certificate of the project in the Academic Research Committee.
3. Please send one copy of the project completion report to office superintendent, Dr. Babasaheb Ambedkar College Aundh Pune 411067

Chairman

(Dr. Sanjay P. Nagarkar)
Academic Research Committee
Dr. Babasaheb Ambedkar College,
Aundh, Pune



Principal

Jr. Babasaheb Ambedkar College,
Aundh, Pune-67.



Seed money project

प्रा.मयुर दत्तात्रय माळी
विभाग.बी.बी.ए (सी.ए)

प्रति,
मा.प्राचार्य,
डॉ.बाबासाहेब आंबेडकर महाविद्यालय,
औंध पुणे - ६७



हमीपत्र

महोदय,

अॅकेडेमिक रिसर्च कमिटीद्वारा शैक्षणिक वर्ष २०२०-२१ मध्ये मंजूर करण्यात आलेल्या सीडमनी प्रोजेक्टची रक्कम रु.१०,०००/- मी स्वीकारीत आहे. सदर रकमेचा विनियोग करताना मी खालील अटींचे पालन करीन.

- १) संदर्भ ग्रंथांसाठीची रक्कम रु.२०००/- दि.२५-११-२०२० अखेर विनियोग करून सदर ग्रंथ, ग्रंथालयाकडून अप्रॅव्हल करून घेईन व प्रकल्पपूर्ती झाल्यावर सदर ग्रंथ ग्रंथालयाकडे जमा करीन.
- २) १० नोव्हेंबर २०२१ पूर्वी मी माझे संशोधन पूर्ण करून, संशोधन प्रकल्प ३ प्रतीत संशोधन समितीकडे जमा करीन..
- ३) सदर प्रकल्प नियोजित तारखेच्या आत पूर्ण न केल्यास मंजूर रक्कम १०% व्याजासह महाविद्यालयाकडे जमा करीन.

आपला विश्वासू,

प्रा.मयुर द. माळी

२१/११/२१
१०,०००/- रु.
२१/११/२१
२१/११/२१

Translation

Letter of Guarantee

Shri Mayur Dattatray Mali

Department of B.B.A.(C.A.)

To,

Hon.Pricipal,

Dr.Babasaheb Ambedkar Mahavidyalya,

Aundh – Pune 67

Guarantee

Sir,

The Seedmoney project sanctioned by the Academic Research Committee for the academic year 2020-21 is Rs. 10,000 I accept. While appropriating the said amount, I will follow the following conditions

- 1) Reference Textbook Rs.2000/-
- 2) If the submitted project is not completed, the sanctioned amount will be returned to the college with 10% interest



PRINCIPAL
Dr. Babasaheb Ambedkar College,
Aundh, Pune-67.

Rayat Shikshan Sanstha's
Dr. Babasaheb Ambedkar College Aundh Pune 67

Utilization certificate

Certified that the grant of Rs 10,000 (Rupees Ten Thousand only)

Received from the college under the scheme of support of assistance by Dr Babasaheb Ambedkar College Aundh Pune 67 For Project- based Innovative Research (SEEDMONEY) entitled To Study Method of Biometric Finger Impression Data Analysis

Wide University letter No..... dated.....has been fully

Utilized for the purpose of which it was sanctioned and it accordance which the terms and condition laid down by the college

If at a result of check or audit objection some irregularly is noticed a later date action will be taken to refund, adjust or regularize the objected amounts

Signature of PI

Signature of ARC

PRINCIPAL
Dr. Babasaheb Ambedkar College,
Aundh, Pune-67



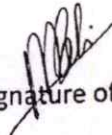
Rayat Shikshan Sanstha's
Dr. Babasaheb Ambedkar College Aundh Pune 67

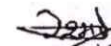
STATEMENT OF EXPENDITURE INCURRED ON FIELD WORK

Name of the principal investigator:

Name of the place visited	Duration of the visit	Mode of journey	Expenditure incurred (Rs.)
भुगाव	21/02/2021	Ola	443/-
वारजे	02/08/2021	Ola	325/-
भोर	22/08/2021	Rented Vehicle	12084 12804

Certified that the above expenditure is in accordance with the university norm for assistance by Dr. Babasaheb Ambedkar College Aundh Pune 67 for project based innovative research (SEEDMONEY)


Signature of PI


Signature of ARC


PRINCIPAL
Signature of Principal
Dr. Babasaheb Ambedkar College,
Aundh, Pune-67



रयत शिक्षण संस्थेचे,
डॉ. बाबासाहेब आंबेडकर महाविद्यालय, औंध, पुणे. ६७
Seed money - Mini Research Project (2020-2021)

संशोधक : प्रा. मयूर दत्तात्रय माळी Mayur Mali
सहाय्यक प्राध्यापक : बी.बी.ए (सी.ए) विभाग

Project Title: To Study Method of Biometric Finger Impression Data Analysis

खर्च तपशील (Expenditure Details)

अ.न.	दिनांक	प्रवासाचा तपशील (<u>Travel</u>)	रक्कम (रुपये)
1	21/02/2021	औंध ते भूगाव = २५८ <u>Aundh-Bhugao</u> भूगाव ते औंध = १८५	443=00
2	02/08/2021	भूगाव ते वारजे = १६३ <u>Bhugao to Varje</u> वारजे ते भूगाव = १६२ <u>Varje to Bhugao</u>	325=00
3	22/08/2021	औंध ते भोर ६४*१० = ६४० <u>Aundh to Bhor</u> भोर ते औंध ६४*१० = ६४० <u>Bhor to Aundh</u>	1280=00
एकूण प्रवास खर्च			2048=00
2. किरकोळ खर्च (<u>Miscellaneous</u>)			
अ.न.	दिनांक	तपशील	रक्कम (रुपये)
1	10/06/2021	Max Innovation स्टोअर स्टेशनरी खरेदी. BILL NO. 7724	1412=00
2	16/03/2022	Paradise Xerox (typing printing and binding Xerox)	2771=00
एकूण किरकोळ खर्च			4183=00
3. संदर्भ पुस्तके (<u>Reference Books</u>)			
1	10/12/2021	Kshitija Publication, Pune	1976=00
4. प्रकाशन (<u>Publication</u>)			
1	19/01/2022	MuktShabd	2000=00
एकूण खर्च (<u>Total Amount</u>)			10207=00

Mayur Mali
(Mayur Mali)

Chairman
Chairman,
Research & Extension Committee
DBAC Aundh-Pune-67

Principal
PRINCIPAL
Dr. Babasaheb Ambedkar College,
Aundh, Pune-67



187

Rayat Shikshan Sanstha's
Dr. Babasaheb Ambedkar College Aundh Pune 67
Annual / Final Report of the work done on the Assistance by BDBA for project-based
Innovative Research (SEEDMONEY)

(Report to be submitted within 6 weeks after completion of one year)

1. Project report No. 1st / 2nd / 3rd / Final 1st
2. University reference number
3. Period of report from Nov 2020 to March 2021
4. Title of research project To Study Method of Biometric Finger Impression Data Analysis
5. (a) name of the principal investigator Mayur Dattatray Mali
(b) department where work progressed BBACA Department, BDBA College, Pune, India
6. Effective date of starting of the project 1 Nov 2020
7. Grand approved and expenditure incurred during the period of the report
 - a. Total amount approved Rs. 10,000 /-
 - b. Total expenditures
 - c. Report of the work done: (please attach a separate sheet)
 - i. Brief objective of the project Separate Sheet Attached.
 - ii) work done so far and result achieved and Publication, if any, resulting from the work (give details of the papers and names of the journals in which it has been published or accepted for Publication)
 - iii) has the progress been according to the original plan of work and towards achieving The object for if not state reasons.
 - IV) please indicate the difficulties, if any, experienced in implementing the project.....
 - V) If the project has not been completed please indicate the active approximate time by which it is likely to be completed a summary of the work done for the period annual basis may please be sent to the university on a separate sheet.
 - Vi) If the project has been completed please include a summary of the finding of the study one board copy of the final report of work done may also be sent to the university
 - Vii) Any other information which would help in evolution of work done on the project at the completion of the project the first report should indicate the output such as
(A) manpower (b) ph.D. awarded (c) publication of result (D) other impact ,if any

Signature of PI

Signature of ARC

PRINCIPAL
Dr. Babasaheb Ambedkar College,
Aundh, Pune-67



Rayat Shikshan Sanstha's
Dr. Babasaheb Ambedkar College Aundh Pune 67
Annual / Final Report of the work done on the Assistance by BDBA for project-based

Innovative Research (SEEDMONEY)

(Report to be submitted within 6 weeks after completion of one year)

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5. (a) name of the principal investigator Mayur Dattatray Mali
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6. Effective date of starting of the project 1 Nov 2020
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 - iii) has the progress been according to the original plan of work and towards achieving The object for if not state reasons.
 - IV) please indicate the difficulties, if any, experienced in implementing the project.....
 - V) If the project has not been completed please indicate the active approximate time by which it is likely to be completed a summary of the work done for the period annual basis may please be sent to the university on a separate sheet.
 - Vi) If the project has been completed please include a summary of the finding of the study one board copy of the final report of work done may also be sent to the university
 - Vii) Any other information which would help in evolution of work done on the project at the completion of the project the first report should indicate the output such as
 (A) manpower (b) ph.D. awarded (c) publication of result (D) other impact ,if any

Signature of PI

Signature of ARC

PRINCIPAL
 Dr. Babasaheb Ambedkar College,
 Aundh, Pune-67



Rayat Shikshan Sanstha's

Dr. Babasaheb Ambedkar College Aundh Pune 67

STATEMENT OF EXPENDITURE IN RESPECT OF SEEDMONEY RESEARCH PROJECT

1. Name of the principal investigator **Mayur Dattatray Mali**
2. Name of the University Department/ College/ Institute : **DBA College Aundh Pune**
3. Title of the research project - **To Study Method of Biometric Finger Impression Data Analysis**
4. Effective date of starting the project **1st Nov 2020**
5. a. Period of Expenditure: from **Nov 2020** to **March 2022**
- b. Details of Expenditure.....

Sr. No.	Particular	Amount Approved	Expenditure Incurred
I	Books	2000/-	1976/-
II	Equipment	-	-
III	Contingency	4000/-	4183/-
IV	Field work travel (give details in the perform at Annexure IV)	2000/-	2048/-
V	Publication	2000/-	2000/-
VI	Chemicals and glassware/ consumables		
VII	Any other items (please specify)		

10,000

10207

- I. Is at a resort of check or audit objection some irregularly is noticed at a later date; action will be taken to refund, adjust or regulate the objected amounts.
- II. It is certified that the Grand of Rs..... (RupeesOnly) received from the university under the scheme of Assistance by Dr Babasaheb Ambedkar College Aundh Pune 67 for project base innovative research (SEEDMONEY) entitled Vide college letter No.Dated has been fully utilized for the purpose of which it was sanctioned and in accordance with the terms and conditions laid down by the college.

Signature of PI

Signature of ARC

PRINCIPAL
Signature of Principal
Dr. Babasaheb Ambedkar College,
Aundh, Pune-67



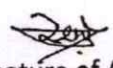
Rayat Shikshan Sanstha's
Dr. Babasaheb Ambedkar College Aundh Pune 67
ASSESSMENT CERTIFICATE

(to be submitted with the proposal)

It is certified that the proposal entitled To Study Method of Biometric Finger Impression Data Analysis (Mayur Mali Department of BBACA has been assessed by the

committee consisting the following members for submission to the university for financial support under the scheme support for Assistance by Dr Babasaheb Ambedkar College, Aundh for Project based Innovative Research (SEED MONEY)

The Proposal is as per the guideline


Signature of ARC


PRINCIPAL
Signature of Principal
Dr. Babasaheb Ambedkar College,
Aundh, Pune-67



Rayat Shiksha sanstha's
Dr. Babasaheb Ambedkar College Aundh Pune 67

ACCEPTANCE CERTIFICATE FOR SEED MONEY RESEARCH PROJECT

NAME **Mayur Dattatray Mali**

NO.....

Title of the project **To Study Method of Biometric Finger Impression Data Analysis**

The research project is not being supported by any other funding agency.

1. The terms and conditions related to the Grant are acceptable to the principal investigator permanent/ temporary
2. At present I have no research project approved by university or any other funding agency and the accounts for the previous project if any have been settled. The details of any earlier research project are under.

Sr. No.

Project title **To Study Method of Biometric Finger Impression Data Analysis**

- i) His date of birth is **19/06/1994**
- ii) Age **28**
3. The date of implementation of the project is **01 Nov 2020**

Signature of PI





Rayat Shikshan Sanstha's

Dr. Babasaheb Ambedkar College Aundh, Pune – 411067

Academic Research Committee

To

Mr. Mayur Dattatray Mali, (C.H.B)

Assistant Professor and Head,

Department of BBA (CA),

Dr. Babasaheb Ambedkar College, Aundh Pune.

Subject: Financial assistance to college teachers for undertaking seed money Research Projects Release of installment.

Sir,

ARC on the recommendations of the Expert Committee has approved the Seed money Project entitled "To Study Method of Biometric Finger Impression Data Analysis" in the subject to be undertaken, Dr. Babasaheb Ambedkar College Aundh, Pune –411067. The financial assistance of the ARC would be limited to Rs.10000(Rupees ten thousand Only) for a period of one year. An amount of Rs.10000/- (Rupees Ten thousand Only) is sanctioned.

On which you are requested immediately purchase the reference books of Rs.2000/- with support of central library.



Sr No	Non-Recurring Grant for Two years	Sanctioned Amount (Rs)	Sr No	Recurring Expenses	Sanctioned Amount (Rs)	Total
1	Books and Journals	2000 /-	1	Contingency	3500 /-	
2	Contribution for publication	2000 /-	2	Travel/Field work survey etc.	2500 /-	
	Total (Rs.)	4000 /-			6000 /-	10,000/-

The Amount allotted in different heads is inter transferable with the prior permission of research committee

Total amount for the Project: 10000/-

The grant is subject to the terms and conditions as mentioned below.

1. A Certificate of Acceptance of the conditions governing the research project should be sent immediately to this committee.
2. The amount of the grant shall be drawn by the Dr. Babasaheb Ambedkar College on the grant -in-aid bill and shall be disbursed to and credited to the above-mentioned institute through Cheque/D.D.
3. The sanctioned amount is debatable to the major Head 5.3.3 and is valid for payment during the financial year 2020-2021 only.
4. The grant is subject to adjustment on the basis of Utilization Certificate in prescribed proforma submitted on month of Nov.2021.

NOTE:

1. Date of implementation will be the date of sanction of first installment.
2. The researcher is required to submit an Acceptance Certificate of the project in the Academic Research Committee.
3. Please send one copy of the project completion report to office superintendent, Dr. Babasaheb Ambedkar College Aundh Pune 411067

Sanjay P. Nagarkar
Chairman

Dr. Sanjay P. Nagarkar
Academic Research Committee
Dr. Babasaheb Ambedkar College,
Aundh, Pune.



[Signature]
Principal
Dr. Babasaheb Ambedkar College,
Aundh, Pune-67.



Synopsis

1. Title of research proposal

"To Study Method Of Biometric Finger Impression Data Analysis"

2. Introduction:

A wide assortment of frameworks require solid individual validation plans to either affirm or decide the character of people mentioning their administrations. The reason for such plans is to guarantee that the rendered administrations are gotten to by a real client, and not any other individual. Instances of these frameworks incorporate secure access to structures, PC frameworks, PCs, mobile phones furthermore, ATMs. Without vigorous validation conspires, these frameworks are helpless against the wiles of an impostor. Customarily, passwords (information-based security) and ID cards (token-based security) have been utilized to limit access to frameworks. Notwithstanding, security can be effectively broken in these frameworks when a secret key is unveiled to an unapproved client or a card is taken by an impostor; further, straightforward passwords are anything but difficult to figure (by an impostor) and troublesome passwords might be difficult to review (by an authentic client). The development of biometrics has tended to the issues that plague customary check strategies. Biometrics alludes to the programmed recognizable proof (or confirmation) of an individual (or a guaranteed personality) by utilizing certain physiological or conduct characteristics related to the individual. By utilizing biometrics it is conceivable to build up a character dependent on 'what your identity is', as opposed to by 'what you have (e.g., an ID card) or 'what you recall' (e.g., a secret phrase). Biometric frameworks utilize fingerprints, hand geometry, iris, retina, face, hand vein, facial thermograms, signature, voiceprint, stride, palmprint, and so forth. While biometric frameworks have their confinements, they have an edge over customary security strategies in that it is altogether hard to lose, take or manufacture biometric characteristics; further, they encourage human acknowledgement a ways off (e.g., face and gait).



3. Origin of the research problem

Biometrics alludes to the programmed acknowledgement of people dependent on their physiological as well as to conduct qualities. In spite of the fact that the issue of programmed unique finger impression coordinating has been widely considered, it is in any case, not a completely tackled issue. In this proposal, a data combination approach is embraced to address a portion of the confinements of existing unique finger impression coordinating frameworks. A half and half unique mark framework that uses both details indicate an edge highlight maps speak to and coordinate unique finger impression pictures have been created. The mixture matcher is appeared to perform essentially superior to a customary particulars based matcher.

The edge includes maps removed by this method have additionally been utilized to adjust and register unique finger impression picture sets by means of a relationship procedure, in this way blocking the need to depend on details focuses for picture enlistment. To address the issue of halfway prints got from small-sized sensors, a unique finger impression mosaicking plan has been created. The proposed method develops a composite unique finger impression format from two halfway unique finger impression impressions by utilizing the iterative control point (ICP) algorithm that decides the change parameters relating the two impressions. To relieve the impact of non-direct bends in unique mark pictures on the coordinating procedure, a normal disfigurement model has been proposed. The model is created by contrasting a unique mark impression with a few different impressions of a similar finger and watching the basic edge focuses that happen in them. A file of disfigurement has been proposed in this setting to help in the choice of an 'ideal' unique mark impression from a lot of impressions. Unimodal biometric frameworks perform individual acknowledgment dependent on a solitary wellspring of biometric data and are influenced by issues like uproarious sensor information, nonuniversality also, absence of distinction of the picked biometric characteristic, nonappearance of an invariant portrayal for the biometric characteristic and helplessness to circumvention. A portion of these issues can be lightened by utilizing multimodal biometric frameworks that combine proof from various biometric sources. At long last, strategies to join unique finger impression data with the other biometric characteristics of a subject (viz., face Iris and signature) are introduced. To upgrade client accommodation, a learning strategy has been utilized to process client explicit parameters in a multibiometric framework. Data combination frameworks, as introduced in this postulation, are required to be more solid and strong than frameworks that rely on a solitary wellspring of data.



4. Objectives of the Study

- a) To examine the unique finger impression portrayal framework that employs details coordinating procedure and edge include maps.
- b) To build up a half and half unique finger impression coordinating procedure that consolidates details data with edge include a guide to creating a solitary coordinating score for better execution.
- c) To coordinate data accessible in two unique impressions of a similar finger to set up a composite data from the individual impressions. Mosaicking the pictures and afterward extricating (layout) particulars for better coordinating execution.
- d) To extricate Scale Invariant Key Points for the viable confirmation of fingerprints.
- e) To build up a twisting model for assessing bending impacts in unique finger impression impressions dependent on edge bend correspondence.
- f) To build up a multi biometric framework utilizing unique finger impression, face, iris and mark qualities for the better execution of biometric framework.

5. Research Scope and Methodology

In this proposal, numerous wellsprings of data are solidified to upgrade the exhibition of programmed unique mark confirmation frameworks. A couple of the difficulties displayed in the prior segment are, therefore, tended to. The five significant commitments of this proposition are recorded beneath.

1. A half breed unique mark matcher that profits of both the details and surface data present in unique mark pictures have been created. The surface data is separated by applying a lot of 8 Gabor channels to an upgraded unique mark picture and surface highlights are spoken to utilizing edge highlight maps.
2. To address the issue of incomplete prints, a unique mark mosaicking conspire has been created. The proposed plan inspects two incomplete impressions of a finger and builds a composite format picture that incorporates data from the individual prints.
3. To separate Scale Invariant Key Points for the viable check of fingerprints.



4. A normal misshapening model for unique mark pictures has been proposed. This model records for the non-direct twists present in unique mark pictures. The model is created by looking at a 27 unique mark impression with a few different impressions of the equivalent finger and watching the basic edge focuses that happen in them.

5. To upgrade the presentation of a biometric framework utilizing unique mark, face, Iris and mark attributes of a subject are additionally utilized. By intertwining data gathered from various biometric markers, the execution of a biometric framework can be improved. The proposed multibiometric framework additionally utilizes a learning method to register client explicit parameters so as to improve confirmation execution. In the ensuing sections, a nitty gritty portrayal of each of these commitments is given.

6. Scheme of the Study

The proposed research work will contain the following chapters.

- 1. Introduction**
- 2. Research Design**
- 3. Review of Literature**
- 4. Findings & Analysis.**
- 5. Conclusion & Suggestions.**



21 Feb, 2021

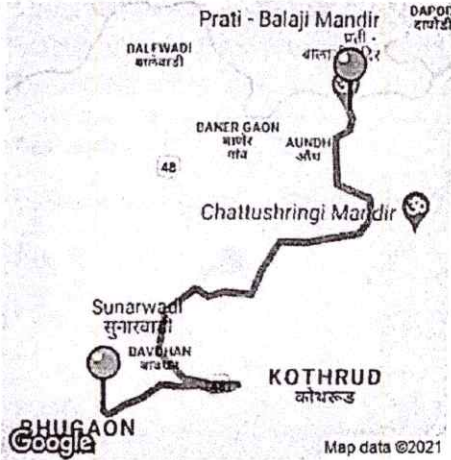


₹258

CRN5217634622

Thanks for travelling with us, Mayur

Ride Details



Bill Details

Base Fare	₹55
Distance Fare	
First 15 km	₹150
Last 2.1 km	₹33.6
Ride Time Fare for 33 min	₹33
Fare Decrease	-₹31.74
Ride Fare	₹239.86
Taxes	₹18.22

Total Bill (rounded off)

₹258



Kailash Gaikwad



17.1 km 33 min



Prime Sedan - White Dzire Tour

- 01:31 PM • Aundhgaon, goan Bus Stop, Aundh 411067, Ward No. 8, Aundh Gaon, Aundh, Pune, Maharashtra 411007, India
- 02:03 PM • Unnamed Road, Bhugaon, Bavdhan, Pune

*Fares are lower than usual when demand goes down.
Your ride fare was calculated as per the revised rate card.

₹48.57
base fare

First 15 km
After 15 km

₹8.83/km
₹14.13/km

₹0.88/min
ride time fare

PRINCIPAL

Dr. Babasaheb Ambedkar College,
Aundh, Pune-67



Original Tax Invoice

Driver Trip Invoice



Kailash Gaikwad
Ola Prime Sedan - White
Dzire Tour
MH14JL0253
Operator State/UT:
Maharashtra

Service Tax Category: Renting of motor
cab

SAC Code: 996412

Invoice Date 21/02/2021

Invoice ID DIKADYPKY233262

Mobile Number +919168511313

Customer Name Mayur

Pickup Address Aundhgaon, goan Bus Stop, Aundh
411067, Ward No. 8, Aundh Gaon, Aundh, Pune,
Maharashtra 411007, India

Description	Amount (INR)
Customer Ride Number - CRN5217634622	₹191.89
Ride Fee	₹4.8
CGST 2.5%	₹4.8
SGST 2.5%	₹201.48
Subtotal	₹201.48
Total	
Customer Ride Fare	

Please note: 1. This invoice is issued on behalf of Transport Service Provider. ANI Technologies Private Limited acts in the capacity of an Electronic Commerce Operator as per Section 9(5) of the Central Goods & Service Tax Act, 2017 & corresponding Section 5(5) of the State GST laws. 2. This is an electronically generated invoice and does not require a digital signature.



Original Tax Invoice



ANI Technologies Pvt. Ltd.
Gala No. 07, Ground floor, Amfotech Park, Plot
No - A/ 26, Road No. B-8, Wagle Ind. Estate,
Thane West-400604

State GSTIN: 27AAJCA1389G1ZJ

SAC Code: 999799

Service Tax Category: Business Auxiliary
Service

Invoice ID CIKADYPKY233262

Invoice Date 21/02/2021

Customer Name Mayur

Mobile Number +919168511313

Supply Address Gala No. 07, Ground floor, Amfotech Park,
Plot No - A/ 26, Road No. B-8, Wagle Ind. Estate, Thane
West-400604

Description	Amount (INR)
Ola Convenience Fee - CRN5217634622	₹47.97
Convenience Fee (Ride)	₹4.32
CGST 9.0%	₹4.32
SGST 9.0%	
Total	₹56.6
Convenience Fee	
Fare	



Please note:1.This is an electronically generated invoice and does not require a digital signature.



21 Feb, 2021

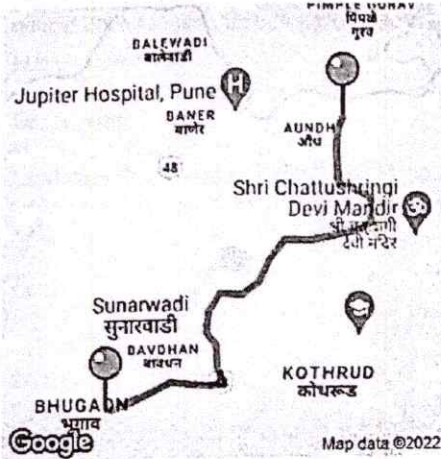


₹185

CRN5218325798

Thanks for travelling with us, Mayur

Ride Details



Bill Details

Your Trip	₹183.35
Total Bill (rounded off)	₹183
Includes ₹12.95 Taxes	
Insurance premium	₹2
Total Payable	₹185

Have queries? Visit support for this ride.

We've fulfilled our promise to take you to destination for pre-agreed Total Fare. Modifying the drop/route can change this fare.



MOHAN LIMBALE



Mini - Grey WagonR

- 05:36 PM • Sai Shilp Apartment, Jijau
Masaheb Marg behind
Bharat Petrol Pump
Bhugaon Bavdhan Pune
Maharashtra India
- 06:06 PM • 1, AIMS Rd, Sahakarnagar No
- 2, Ward No. 8, Aundh Gaon,
Aundh, Pune

Payment

Paid by cash

₹185

Please Note: 1) Insurance Service is not provided by ANI Technologies Private Limited. Invoice for the insurance fee collected for the ride will be raised by the respective Insurance company.

PRINCIPAL
Dr. Babasaheb Ambedkar College,
Aundh, Pune-67



Original Tax Invoice

Driver Trip Invoice



MOHAN LIMBALE
Ola Mini - Grey WagonR
MH12QW6851
Operator State/UT:
Maharashtra

Service Tax Category: Renting of motor
cab
SAC Code: 996412

Invoice ID DIIQBCZSF234743

Invoice Date 21/02/2021

Customer Name Mayur

Mobile Number +919168511313

Pickup Address Sai Shilp Apartment, Jijau Masaheb Marg
behind Bharat Petrol Pump Bhugaon Bavdhan Pune
Maharashtra India

Description	Amount (INR)
Customer Ride Number - CRN5218325798	
Ride Fee	₹136.32
CGST 2.5%	₹3.41
SGST 2.5%	₹3.41
Subtotal	₹143.14
Total	₹143.14
Customer Ride Fare	

Please note: 1. This invoice is issued on behalf of Transport Service Provider. ANI Technologies Private Limited acts in the capacity of an Electronic Commerce Operator as per Section 9(5) of the Central Goods & Service Tax Act, 2017 & corresponding Section 5(5) of the State GST laws. 2. This is an electronically generated invoice and does not require a digital signature.



Original Tax Invoice



ANI Technologies Pvt. Ltd.

Gala No. 07, Ground floor, Amfotech Park, Plot
No - A/ 26, Road No. B-8, Wagle Ind. Estate,
Thane West-400604

State GSTIN: 27AAJCA1389G1ZJ

SAC Code: 999799

Service Tax Category: Business Auxiliary

Service

Invoice ID CIIQBCZSF234743

Invoice Date 21/02/2021

Customer Name Mayur

Mobile Number +919168511313

Supply Address Gala No. 07, Ground floor, Amfotech Park,
Plot No - A/ 26, Road No. B-8, Wagle Ind. Estate, Thane
West-400604

Description	Amount (INR)
Ola Convenience Fee - CRN5218325798	
Convenience Fee (Ride)	₹34.08
CGST 9.0%	₹3.07
SGST 9.0%	₹3.07
Total	₹40.21
Convenience Fee	
Fare	

Payment Details

Paid by Cash
Transaction date 21 Feb, 2021 06:06 PM
Amount ₹40.21

Please note:

1. This is an electronically generated invoice and does not require a digital signature.
2. Vide Circular No. 146/02/2021- GST dated 23rd February 2021, Printing of Dynamic QR code is not mandatory in case of Prepaid invoice since cross reference of payment is available.



02 Aug, 2021

₹163

CRN5481803993

Thanks for travelling with us, Mayur

Ride Details



Bill Details

Your Trip	₹161.14
Total Bill (rounded off)	₹161
Includes ₹11.38 Taxes	
Insurance premium	₹2
Total Payable	₹163

Have queries? Visit support for this ride.

We've fulfilled our promise to take you to destination for pre-agreed Total Fare. Modifying the drop/route can change this fare.



Suresh janrao
ingale



Prime Sedan - White Dzire Tour

07:09 PM • Shivraj Hiltage, Bhugaon
Bavdhan Pune Maharashtra
India

07:40 PM • Unnamed Road, Warje, Pune

Please Note: 1) Insurance Service is not provided by ANI Technologies Private Limited. Invoice for the insurance fee collected for the ride will be raised by the respective Insurance company.

PRINCIPAL
Dr. Babasaheb Ambedkar College,
Aundh, Pune-67



Original Tax Invoice

Driver Trip Invoice



Suresh Janrao Ingale
Ola Prime Sedan - White
Dzire Tour
MH12NX1135
Operator State/UT:
Maharashtra



Service Tax Category: Renting of motor
cab

SAC Code: 996412

Invoice ID DIHYFCCJJ255066

Invoice Date 02/08/2021

Customer Name Mayur

Mobile Number +919168511313

Pickup Address Shivraj Hiltage, Bhugaon Bavdhan Pune
Maharashtra India

Description	Amount (INR)
Customer Ride Number - CRN5481803993	
Ride Fee	₹119.81
CGST 2.5%	₹3.0
SGST 2.5%	₹3.0
Subtotal	₹125.8
Total	₹125.8
Customer Ride Fare	

Please note: 1. This invoice is issued on behalf of Transport Service Provider. ANI Technologies Private Limited acts in the capacity of an Electronic Commerce Operator as per Section 9(5) of the Central Goods & Service Tax Act, 2017 & corresponding Section 5(5) of the State GST laws. 2. This is an electronically generated invoice and does not require a digital signature.



Original Tax Invoice



ANI Technologies Pvt. Ltd.

Gala No. 07, Ground floor, Amfotech Park, Plot
No - A/ 26, Road No. B-8, Wagle Ind. Estate,
Thane West-400604

State GSTIN: 27AAJCA1389G1ZJ

SAC Code: 999799

Service Tax Category: Business Auxiliary
Service

Invoice ID CIHYFCCJJ255066

Invoice Date 02/08/2021

Customer Name Mayur

Mobile Number +919168511313

Supply Address Gala No. 07, Ground floor, Amfotech Park,
Plot No - A/ 26, Road No. B-8, Wagle Ind. Estate, Thane
West-400604

Description	Amount (INR)
Ola Convenience Fee - CRN5481803993	
Convenience Fee (Ride)	₹29.95
CGST 9.0%	₹2.7
SGST 9.0%	₹2.7
Total	
Convenience Fee	₹35.34
Fare	



Please note:1.This is an electronically generated invoice and does not require a digital signature.



02 Aug, 2021

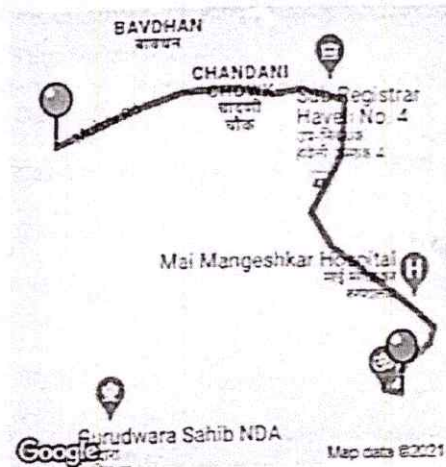


₹162

CRN5482202370

Thanks for travelling with us, Mayur

Ride Details



Bill Details

Your Trip	₹160.11
Total Bill (rounded off)	₹160
Includes ₹11.31 Taxes	
Insurance premium	₹2
Total Payable	₹162

Have queries? Visit support for this ride.

We've fulfilled our promise to take you to destination for pre-agreed Total Fare. Modifying the drop/route can change this fare.



PRAKASH TALE



Prime Sedan - White Dzire Tour

- 10:41 PM • Chaitanya heights ganpathi matha, Warje Pune Maharashtra India
- 11:00 PM • 263/2, Bhugaon, Bavdhan, Pune

Please Note: 1) Insurance Service is not provided by ANI Technologies Private Limited. Invoice for the insurance fee collected for the ride will be raised by the respective insurance company.

PRINCIPAL

Dr. Babasaheb Ambedkar College,
Aundh, Pune-67



Original Tax Invoice

Driver Trip Invoice



PRAKASH TALE
Ola Prime Sedan - White
Dzire Tour
MH12QW4168
Operator State/UT:
Maharashtra

Service Tax Category: Renting of motor
cab

SAC Code: 996412

Invoice ID DINLSAXOC253998

Invoice Date 02/08/2021

Customer Name Mayur

Mobile Number +919168511313

Pickup Address Chaitanya heights ganpathi matha, Warje
Pune Maharashtra India

Description	Amount (INR)
Customer Ride Number - CRN5482202370	
Ride Fee	₹119.04
CGST 2.5%	₹2.98
SGST 2.5%	₹2.98
Subtotal	₹124.99
Total	₹124.99
Customer Ride Fare	

Please note: 1. This invoice is issued on behalf of Transport Service Provider, ANI Technologies Private Limited acts in the capacity of an Electronic Commerce Operator as per Section 9(5) of the Central Goods & Service Tax Act, 2017 & corresponding Section 5(5) of the State GST laws. 2. This is an electronically generated invoice and does not require a digital signature.



207

Original Tax Invoice



ANI Technologies Pvt. Ltd.

Gala No. 07, Ground floor, Amfotech Park, Plot
No - A/ 26, Road No. B-8, Wagle Ind. Estate,
Thane West-400604

State GSTIN: 27AAJCA1389G1ZJ

SAC Code: 999799

Service Tax Category: Business Auxiliary

Service

Invoice ID CINLSAXOC253998

Invoice Date 02/08/2021

Customer Name Mayur

Mobile Number +919168511313

Supply Address Gala No. 07, Ground floor, Amfotech Park,
Plot No - A/ 26, Road No. B-8, Wagle Ind. Estate, Thane
West-400604

Description	Amount (INR)
Ola Convenience Fee - CRN5482202370	
Convenience Fee (Ride)	₹29.76
CGST 9.0%	₹2.68
SGST 9.0%	₹2.68
Total	₹35.12
Convenience Fee	
Fare	



Please note:1.This is an electronically generated invoice and does not require a digital signature.



खर्चाची पावती		दिनांक : 22/08/2021
मा. प्राचार्य, डॉ. बाबासाहेब आंबेडकर महाविद्यालय, औंध, पुणे - ६७ यांना		
पावती लिहून देणार	वैष्णवी टुर्स अँड ट्रॅव्हल्स	Vaishnavi Tours & Travel
राहणार	पुणे (Pune)	पावती लिहून देतो की, तपशीलाप्रमाणे आज रोजी पैसे मिळाले. काही तक्रार नाही.
खाते		
	तपशील	रुपये पैसे
Seed Money	अंतर्गत संशोधन प्रकल्प (Pinner Project)	
द्वितीय पाठणीसाठी प्रवास खर्च	[MH12KN 8725]	9200
	Travel expenses	
	औंध ते भोर - 64 KM	Aundh to Bhor
	भोर ते औंध - 64 KM	Bhor to Aundh
	128 km X 10 Rs = 1,280	
एकूण (अक्षरी व अंकी रुपये)	एक हजार दोनशे ऐंशी रुपये फक्त	9200/-
वरील तपशीलाप्रमाणे रक्कम अदा करून ही पावती रद्द केली.		
दिनांक : 22/8/2021	PAID & CANCELLED	
Cashier	M. C.	Supt.
	PRINCIPAL	पैसे घेणाऱ्याची सही
	Dr. Babasaheb Ambedkar College,	
	Aundh, Pune-67	

Jan 2020/25





Project Expenditure

BILL

MO 9595949310
7620797609**PARADISE COPY AND STATIONARY**

MAN GATE, GANESHKHIND ROAD PUNE-411053

Canon Xerox, Jumbo Xerox, Multi Color Xerox, DIGITAL PRINTOUT, Lamination,
Thesis Binding, All Types notes, Computer Laser print, Stationary


368

NO.: Prin. Dr. Babasaheb Ambedkar Date 16/03/2022
M/s:- College, Aundh, Pune

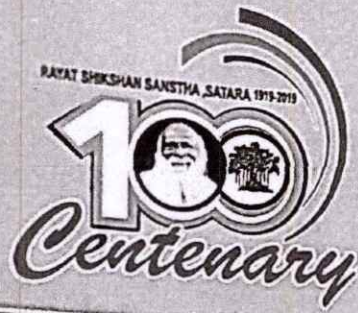
QTY	PARTICULAR	RATE	AMOUNT RS.	PS.
1	Project typing - 43 X 32		1,376	
2	Project Binding - 3 X 125		375	
3	Xerox - 150 X 2		300	
4	Color Xerox - 15 X 5		75	
5.	Project Printout - 129 X 5		645	
PRINCIPAL Dr. Babasaheb Ambedkar College, Aundh, Pune-67				
Two Thousand hundred Seven			TOTAL	2,771
Thank you visit Again			from Paradise copy stationary	



Project Expenditure

 KSHITIJA PUBLICATION, PUNE (All type of Text Books Publication) C/o. Dnyansagar Coaching Classes, Front of Ramkrishna More College Gate, Sector - 28, Pradhikaran, Near Mhalsakant Chauk, Akurdi, Pune, Maharashtra 411044 Mob. 9922836391/ 9423488805					
M/s. <u>Prof. Mayur Mali</u>			Bill No. : 248		
			Date : <u>10/12/2021</u>		
Sr. No.	Particulars	Qty.	Rate	Amount Rs. Ps.	
1)	Ishwarraha Shodh	1	500	500/-	-
2)	Numerical Method	1	120	120/-	-
3)	Data Communication	1	365	365/-	-
4)	Love your Body	1	295	295/-	-
5)	Computer Fundamental	1	180	180/-	-
6)	Data structure through C	1	240	240/-	-
7)	Digital Signal Processing	1	495	495/-	-
10% Discount				2195	-
				219	-
				19761-	-
PRINCIPAL Dr. Babasaheb Ambedkar College, Aundh, Pune-67		TOTAL		19761-	-
Rs. <u>One thousand nine</u> <u>hundred seventy six and</u>			For Kshitija Publication, Pune For KSHITIJA PUBLICATION PUNE Authorised Signatory Proprietor		





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85, Shinde Sarkar Wada, Aundh, Pune, 411067

{ ID No. PU/PN/ASC/052/(1983) }

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E-mail : bdbacollege@gmail.com Web : bdbacollegeaundh.edu.in

Founder

Padmabhushan Dr. Karmaveer Bhaurao Patil, D.Litt

Estd. 1983

020-25883773

Prin. Dr. Arun Andhale
M.Sc., M.Phil. Ph.D.

Ref. No.:

Date : 31/03/2022

Accession Certificate

It is to certify that Prof. Mayur Dattatray Mali has submitted books to the library costing Rs. 1976 purchased through minor Research Project under the Seed Money provided by college and the same has been accessioned and noted in the Accession Register Number 22086 to 22092

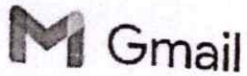

Librarian

Dr. Babasaheb Ambedkar College,
Aundh, Pune-411 007.



1/19/22, 11:28 AM

Gmail - INR 2000.0 paid via Payment Button to Engineering Skill Development



Prof. Mayur Mali <mayurmali001@gmail.com>

INR 2000.0 paid via Payment Button to Engineering Skill Development

1 message

PayU India <noreply@payu.in>
 Reply-To: "noreply@payu.in" <noreply@payu.in>
 To: mayurmali001@gmail.com

Wed, Jan 19, 2022 at 10:59 AM

INR 2000.0 Paid to Engineering Skill Development



GET AN AMAZON VOUCHER
WORTH ₹500*
 AS JOINING GIFT



Apply Now



SBI card

*TAC apply

INR 2000.0 Paid to Engineering Skill Development on 2022-01-19 10:57:04 via Payment Button.

Here are your transaction details:

Transaction Id 14579437543

Bank Reference Number 201910036833

PayU Transaction ID 12575942

<https://mail.google.com/mail/u/0/?ik=a865ee8e2a&view=pt&search=all&permthid=thread-f%3A1722359892318796232&simpl=msg-f%3A1722359892...> 1/2



PRINCIPAL

Dr. Babasaheb Ambedkar College,
 Aundh, Pune-67

3/22, 11:28 AM

Gmail - INR 2000.0 paid via Payment Button to Engineering Skill Development



PayU is Engineering Skill Development payment partner. We ensure easy and successful transactions

For any product/service query, contact Engineering Skill Development.

For any queries and doubts, please visit our FAQs

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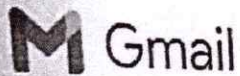
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19/22, 11:28 AM

Gmail - Your Order at Engineering Skill Development is successful



Prof. Mayur Mali <mayurmali001@gmail.com>

Your Order at Engineering Skill Development is successful

1 message

Wed, Jan 19, 2022 at 10:59 AM

payment-report@payu.in <payment-report@payu.in>
Reply-To: "payment-report@payu.in" <payment-report@payu.in>
To: mayurmali001@gmail.com

Dear ,

Your transaction with Engineering Skill Development was **successful**

Transaction ID: 12575942
Merchant: Engineering Skill Development
Amount Paid: 2000.00
Order Date: 2022-01-19 10:57:04
Customer Phone Number: 9168511313

For any information pertaining to the status of your order, please contact Engineering Skill Development

Thanks and Regards,
PayU on behalf of Engineering Skill Development

payu

PRINCIPAL

Dr. Babasaheb Ambedkar College,
Aundh, Pune-67

[Click here to unsubscribe](#)

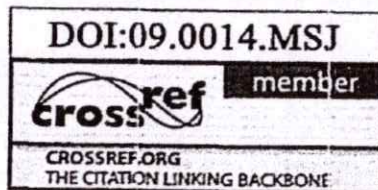


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Certificate ID : MSJ/4529



CERTIFICATE OF PUBLICATION



This is to certify that the paper entitled

“To Study Method of Biometric Finger Impression Data Analysis”

Authored by

Mayur D Mali, Assistant Professor

From

BDBA College, Pune, India.

Has been published in

MUKT SHABD JOURNAL, VOLUME XI, ISSUE I, JANUARY - 2022

Sumit Ganguly

Editor-In-Chief

MSJ

www.shabdbooks.com

To Study Method of Biometric Finger
Impression Data Analysis

Project Report submitted in partial
fulfillment of the requirement for the
Seed Money Mini Project.

By

Mayur Dattatray Mali

Faculty of

BBA (BA)



Rajar Shikshan Sanstha's

Dr. Babasaheb Ambedkar College,
Aundh, Pune - 411067.

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ESTD. 1983

RAYAT SHIKSHAN SANSTHA'S

Dr. Babasaheb Ambedkar College

85, Shinde Sarkar Wada, Aundh, Pune, 411067

{ ID No. PU/PN/ASC/052/(1983) }

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E-mail : bdbacollege@gmail.com Web : bdbacollegeaundh.edu.in

Founder

Padmabhushan Dr. Karmaveer Bhaurao Patil, D.Litt

020-25883773

Prin. Dr. Arun Andhale
M.Sc., M.Phil., Ph.D.

Ref. No.: 2444

Date : 31/03/2022

Certificate

This is certify that **Mr. Mayur Dattatray Mali** has successfully completed the Mini Research Project entitled "**To Study Method of Biometric Finger Impression Data Analysis**" under Seed Money Research Programme, Internal Quality Assurance Cell (IQAC) Dr. Babasaheb Ambedkar College, Aundh, Pune.

Date – 31/03/2022

Place – Pune



PRINCIPAL

Dr. Babasaheb Ambedkar College,
Aundh, Pune-67