

Dr. Ambedkar Institute of technology, Bengaluru-56  
Department of Civil Engineering

The enclosed documents are verified & approved.



**Prof & Head**

Dr. S. Vijaya

Department of Civil engineering


**Professor and Head**

Department of civil Engineering

Dr. Ambedkar Institute of Technology

Bangalore - 560 056

NAAC CO-ORDINATORS:

MARY BHAGYA JYOTHI, Asst Professor 

Dr K Hemanth Kumar, Asst Professor 

ALL INDIA COUNCIL FOR TECHNICAL EDUCATION  
Nelson Mandela Marg, Vasant Kunj,  
New Delhi-110070

RPS - Sanction Letter

File No. 8-8/FDC/RPS/SC&ST (POLICY-1)/2019-20  
The Drawing and Disbursing Officer  
All India Council for Technical Education  
Nelson Mandela Marg,  
Vasant Kunj, New Delhi-110070,

Date: 13<sup>th</sup> March 2020

Sub: Release of a sum of Rs.926885/- being the 1<sup>st</sup> installment of the total grant of Rs.941000/- for conduct of Project under Research Promotion Scheme (RPS) during the financial year 2019-20.

Sir,

With reference to the proposal submitted by the institute, this is to convey the sanction of the Council for payment of Rs.926885/- (Rupees Nine Lakh Twenty Six Thousand Eight Hundred Eighty Five Only) as 1<sup>st</sup> installment out of a total approved grant-in-aid of Rs.941000/- for conduct of a Project under the Research Promotion Scheme (RPS), as per details given below:-

I.	Name and address of the Beneficiary Institution (University / College / Institution)	: Registrar / Director / Principal, Dr. Ambedkar Institute of Technology, Outer Ring Road, Near Jnana Bharathi Campus, Mallathahalli, Bangalore Urban, Karnataka -560056
II.	Principal Investigator's Name & Dept./Course	: Dr. Nanjundaswamy Chikkamadaiah, Civil Engineering
III.	Category of the P.I.	: SC
IV.	Grant-in-aid Sanctioned	: Rs.941000 /- (Rs. 799850/- for non-recurring and Rs.141150/- for recurring expenditure)
V.	Amount to be Released during the year 2019-20 (as 1 <sup>st</sup> installment)	: Rs.926885/- (Rs.799850 /- Full amount of non-recurring & Rs.127035 /- 90 % of total recurring sanctioned)
VI.	Project Duration	: 3 Years
VII.	Title of the Project	: ASSESSMENT OF INDOOR AIR POLLUTION AND ITS IMPACT ON HUMAN HEALTH


**I. Release of funds:**

1. The amount of the grant shall be drawn by the Drawing and Disbursing Officer (DDO), All India Council for Technical Education, New Delhi on the Grants-in-aid bill and shall be disbursed to and credited to the account of Dr. Ambedkar Institute of Technology, Outer Ring Road, Near Jnana Bharathi Campus, Mallathahalli, Bangalore Urban, Karnataka - 560056 through RTGS/PMFS.
2. The sanctioned grant-in-aid is debit to the Major Head "601.12.b (RPS Plan)" (SC) and is valid for payment during the financial year 2019-20.
3. The sanction issues in exercise of the powers delegated to the Council. It is also certified that grant-in-aid is being released in conformity with the rules and principles of the Scheme.
4. The grant-in-aid is being released in conformity with the Terms & Conditions as well as norms of the scheme as already communicated and also being communicated in this letter.

**II. Maintenance of account by the Institute/PI:**

1. Funds covered by this grant shall be kept separately and would not be mixed up with other funds so as to know the amount of interest accrued on the grant.
2. The grant is intended to cover items of expenditure/equipment approved by AICTE.
3. Acknowledgement of receipt of grant and letter of acceptance of terms and conditions is to be submitted to AICTE within 15 days from the receipt of the grant to the following address:

Director (FDC), AICTE, Nelson Mandela Marg, Vasant Kunj, New Delhi-110070

  
Professor and Head  
Department of Civil Engineering,  
Dr. Ambedkar Institute of Technology  
Bangalore - 560 056

Contd...2/-




4. The accounts of the grantee will be opened for test check by the Council or Comptroller & Auditor General of India or by any officer designated by them.
5. The Principal and PI of the institute are requested to verify the correctness of the undermentioned bank account/RTGS/PFMS details submitted by them alongwith the Proposal, in which the grant is being released. In case of any omission, the same should be reported to AICTE immediately along with refund of entire grant: -

Institute Pan No.	Bank Name	Bank Branch	Bank Add.	Branch	Account Holder Name	Account Type	Account Number	IFSC Code
AAATP13 25M	Syndicate Bank	Dr Ambedkar Institute Of Technology Branch	BDA Outer Ring Road, Bangalore	Janana Bharathi Campus, Bangalore	Principal	Saving Account	04862010000 031	SYNE0000486

6. The grantee Institution shall observe all financial norms and guidelines as prescribed by the AICTE/Government of India from time to time. Grantee institution must follow GFR guidelines in procuring the sanctioned items and maintain an audited record of assets acquired wholly or substantially out of the grant-in-aid and a register for assets shall be maintained by the Institute in the prescribed form i.e. GFR-19.
7. **Interest accrued on the sanctioned grant-in-aid will be reported and refunded to AICTE and not adjusted against the subsequent installment.**

### III. General Instructions:

- It should be ensured that no RPS project in favour of the same P.I. has been sanctioned during the last 03 years before utilizing this amount and the matter be brought to the notice of this Council immediately in case a faculty is sanctioned multiple RPS Projects.
- The duration of Project is 03 years and the **date of release of the grant by AICTE shall be taken as the date of commencement of the project.** The Principal/Director/Registrar shall intimate about the receipt of the grant to AICTE. Any Expenditure, incurred prior to issuance of this Sanction Order, would not allowed to be adjusted in the grant and if the University/Institution do not take-up the project work **within 6 months** of the receipt of the grant, approval shall *ipso facto* lapse and the Institute has to necessarily refund the entire grant to AICTE along with interest within a month. **In case the grant is not refunded within said duration 18% interest will be levied on it.** The grant has to be refunded to AICTE, by way of a demand draft in favor of Member Secretary, AICTE payable at New Delhi.
- As AICTE needs adequate time for depositing the demand draft in the bank, the same be immediately dispatched to avoid any lapse of the validity period.
- The Institute may constitute a Project Evaluation Committee (PEC) The composition of the PEC shall be as under:
  - Principal/Director of the institution (Chairperson)
  - Two HODs from institute (Members)
  - In case of private institute one subject expert from government institute, not below the rank of Associate Professor (Member)
  - Coordinator of the project (Member Secretary)
- The grant shall be utilized strictly for the purpose as specified in the sanction letter. Re-appropriation of funds from one Head to another is strictly not permitted viz. Recurring and non-recurring Heads. Further, the equipment(s)/item(s) purchased should be as per the specifications and individual item-wise costs sanctioned by AICTE, and not taking the total grant sanctioned as one entity. Item-wise purchase cost shall be matched with the sanctioned cost, and the cost of item purchased below the sanction cost shall be restricted as actual cost. If the item purchase cost is higher than its sanctioned cost, the cost shall be restricted to the sanctioned cost and the additional amount shall be met by the Institute from its own resources.
- Similarly, the recurring grant shall be used for the items sanctioned by the AICTE. No money be used for going abroad to attend Conference / seminars. However, for presenting a Paper in a Seminar / Conference **within the country**, the travel expenses may be met from the recurring grant.
- No request for additional grant over and above the sanctioned grant shall be considered by the AICTE. The additional amount, if any, expended beyond the sanctioned grant shall be met by the Institute from its own resources.
- The Institute/University shall not charge any overheads on this Project and will provide all the administrative support and timely release of grant to PI for completion of the Project.

  
 Professor and Head  
 Department of civil Engineering  
 Dr. Ambedkar Institute of Technology  
 Bangalore - 560 036.



9. The grantee shall utilize grants only on approved items as per list of equipment attached. However, if the grantee wishes to recast the Project, approval of Council must be obtained for the revised item of expenditure and they will maintain proper accounts of the expenditure as per the norms/procedures of AICTE/Government of India. The revised proposal should be within the total grant sanctioned and duly supported with reasons and recommendations of the Project Evaluation Committee.
10. The assets acquired wholly or substantially out of All India Council for Technical Education's grant shall not be disposed or encumbered or utilized for the purpose other than those for which the Grant was given without proper sanction of the All India Council for Technical Education.
11. Each project sanctioned by AICTE is assigned a specific Reference Number which is given on pre-page. All correspondence address to AICTE regarding the project must quote this number alongwith year of sanction of the project, otherwise correspondence may not be entertained.
12. The grantee shall follow the terms and conditions of Research Promotion Scheme (RPS) as laid down by the Council from time to time..

#### IV. Submission of documents by the institute/PI to AICTE:

##### A. Documents to be submitted within one month of completion of each financial year:


- i. Annual Progress Report, indicating therein the number of patents, publications or any other achievement.
- ii. Utilization Certificate, Audited Utilization Certificate, Receipt & Payments, Statement of Expenditure.
- iii. Audited record of assets acquired wholly or substantially out of the grant-in-aid and a register for assets in the prescribed form i.e. GFR-19.
- iv. Separate Bills/vouchers related to Non-recurring and recurring expenditures duly signed & stamped by the PI & Head of the institution.
- v. Stock entry register duly verified by the Store-in-charge and PI & counter signed by Head of institution.

##### B. Documents to be submitted within two month of completion of the Project:

- i. The consolidated Utilization Certificate (UC) and Receipt & Payment Account for the Project duration duly audited.
- ii. Consolidated audited statement of expenditure, to the effect that the grant has been utilized for the purpose for which it has been sanctioned. It should contain the head-wise break up of expenditure made from the grant-in-aid provided by the Council.
- iii. Project Completion Report duly signed & stamped by the PI & Head of the institution and Project Evaluation Committee (PEC) Members.
- iv. Principal Investigator/institute to submit the Feed Back Form in AICTE format.
- v. The prescribed formats for submission of necessary mandatory documents and Terms & Conditions may please be downloaded from [www.aicte-india.org/schemes/research-innovations-development-schemes](http://www.aicte-india.org/schemes/research-innovations-development-schemes).

Note: Any deviation from the above said time schedule will cause serious action against the institute.

Contd...4/-

  
**Professor and Head**  
**Department of civil Engineering**  
**Amalakar Institute of Technology**  
**Bangalore - 560 056.**



:: 4 ::

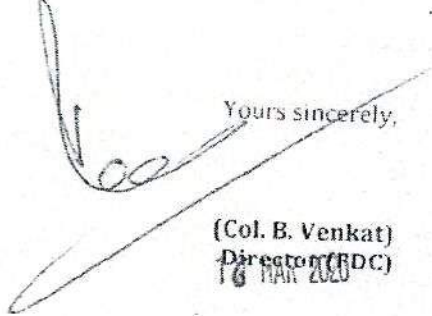
Approved List of Items under Non-recurring grant:

S.No.	Approved Items (As per proposal)	Amount recommended
A	Non-recurring (Equipments)	
i)	Portable Indoor air Quality Monitor	
ii)	VOCs	
B	Recurring (for Contingencies & consumables only)	Rs. 799850/-
	Grand Total (A) + (B)	Rs. 127035/-
		Rs. 926885/-


Copy forwarded for information and necessary action to:

1. Registrar / Director / Principal,  
Dr. Ambedkar Institute of Technology,  
Outer Ring Road, Near Jnana Bharathi Campus,  
Mallathahalli, Bangalore Urban, Karnataka -560056
2. Name of Principal Investigator,  
Dr. Nanjundaswamy Chikkamadaiah,  
(Civil Engineering),  
Dr. Ambedkar Institute of Technology,  
Outer Ring Road, Near Jnana Bharathi Campus,  
Mallathahalli, Bangalore Urban, Karnataka -560056
3. Office of Director General of Audit  
General Revenues, AGCR Building  
I.P. Estate, New Delhi-110002.
4. Guard File

Yours sincerely,



(Col. B. Venkat)  
Director (FDC)



Professor and Head  
Department of Civil Engineering  
Dr. Ambedkar Institute of Technology  
Bangalore - 560 056.



**Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY**  
BENGALURU-560 056.  
Research and Development Cell

Dr. AIT/R&D/2019-20/247

Date: 19-03-2020

To  
Dr. S. Soundeswaran  
Assistant Professor  
Department of Chemistry/Civil Engineering (Inter Department)  
Dr. Ambedkar Institute of Technology  
Bengaluru-560 056

**Administrative Approval**

**Subject:** Financial Assistance under Dr. AIT R & D Grant Scheme for the research project entitled "Synthesis of Magnetorheological (MR) Fluid for Engineering Applications" submitted by Dr. S. Soundeswaran, Principal Investigator-Reg.

Ref No: Dr. AIT/R&D/2019-20/20 Dated: 16/03/2020

Sir/Madam,

With reference to the above subject, the project proposal entitled "Synthesis of Magnetorheological (MR) Fluid for Engineering Applications" submitted by Dr. S. Soundeswaran, Principal Investigator, Department of Chemistry/Civil Engineering of Dr. Ambedkar Institute of Technology (Dr. AIT), Bengaluru-560 056 is sanctioned with a grant of Rs 2,40,000/- (Rupees Two Lakh Forty thousand only) for a period of 12 months.

The details of the grant for which the total allocation of Rs. 2,40,000/- are as follows

Expenditure details	6 Months	6 Months	Total
Equipment:	Rs. 1,40,000.00	Rs. 00.00	Rs. 1,40,000.00
Consumables	Rs. 00.00	Rs. 00.00	Rs. 00.00
Contingency	Rs. 1,00,000.00	Rs. 00.00	Rs. 1,00,000.00
Total	Rs. 2,40,000.00	Rs. 00.00	Rs. 2,40,000.00

The sanction of the grant is subject to the following conditions:

- 1) The grant will be released in the name of the Principal Investigator of the concerned department.
- 2) The research activities will be evaluated by the evaluation committee constituted by the Chairman/Vice Chairman/Dean (R&D) of the Research and Development Monitoring Committee twice in a year (January/July) after commencement of the project apart from periodic review.





# Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY

BENGALURU-560 056.  
Research and Development Cell

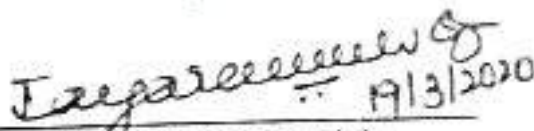
- 4) Funds for subsequent years shall be released on satisfactory progress and submission of half yearly progress report by the Principal Investigator. Audited statement of accounts and utilization certificate duly certified by the financial authority of the Institute for each financial year is required to submit through Head of the Department of the Institution to the undersigned. **Excess expenditure, beyond sanctioned grants will not be considered.**
- 5) The date of the receipt of the first instalment of the grant would be reckoned as the date of commencement of the project.
- 6) Any correspondence by the investigators to the Dean (R&D)/Principal of Dr. AIT shall be routed through HOD of the grantee department.
- 7) The grantee department shall abide by the rules and regulations of Dr. ... research grant scheme.

You are requested to send the letter of acceptance of the grant immediately.

Thanking you,


Yours faithfully

Signature

  
19/3/2020

Dr. G.V. Jayaramaiah  
Dean (R & D)

Signature

  
Dr. C. Nanjunda Swamy  
Principal

### Copy with compliments to:

1. Hon'ble Secretary, PVPWT, for kind information
2. Vice Principal for information
3. Head, Account Section, for information
4. Registrar/AAO, for information
5. Dean (R&D) for file.
6. PA-Principal for file




# Dr. Ambedkar Institute of Technology, Bengaluru – 56

(An Autonomous Institution, Affiliated to Visvesvaraya Technological University, Belagavi)

## MASTER OF COMPUTER APPLICATIONS

### MOU executed during 2018-19

No.	Logo	Company Name	Address	CIN/LLI PN	GST	Validity	Outcomes
1		AmperAxP	3rd Floor, The Icon building, 8, 80 Feet Rd, HAL 3rd Stage, Indiranagar, Bengaluru, Karnataka 560075	--	--	From 04-04-2019 to 04-04-2021	Skill development, outcome based training, internship, placement, R & D services and related activities

### List of activities conducted under MOUs

Sl.No	Name of the Collaboration	Name of the activity	Duration	Nature of Activity
1	AmperAXP	Request Approval Workflow	17-02-2020 to 26-06-2020	Internship & Project Work





Memorandum of Understanding (MOU), BETWEEN  
AmperAXP Inc Newark, CA – 94560  
AND DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS  
Dr Ambedkar Institute of Technology  
Bengaluru-560056

This agreement of cooperation is entered into this 04-04-2019 between AmperAXP Inc, 39899 Balentine Drive, Suite 200, Newark, CA - 94560 and Department of Master of Computer Applications (Dept. of M C A), Dr Ambedkar Institute of Technology, Bengaluru-560056.


The purpose of this agreement is with reference to fostering Industry - Institute interaction and defining the areas of cooperation, benefiting both Department of Master of Computer Applications, Dr Ambedkar Institute of Technology (Dr-AIT) and AmperAXP Inc.


AmperAXP Inc. is happy to associate with the Dept. of M C A, Dr-AIT in terms of providing –

- Internship to students of MCA,
- facilitate the faculty of MCA Dept to have Industrial exposure,
- Training to faculties under Train the Trainer program to train students of MCA for Certification in "Application Automation and Robotic Process Automation".

Department of M C A, Dr-AIT happily agrees to provide Infrastructural facilities and local hospitality for the activities of AmperAXP Inc. at the department, for running any training program in the department and to provide the faculty resource to learn and train students in Application Automation and Robotic Process Automation (RPA) under Train the Trainer Program.

Amper intends to impart knowledge on Application Automation and Robotic Process Automation at no cost. However, logistics and Infrastructure cost for training students and faculties needs to be taken care by Dr-AIT.

  
**Sanjay Koppikar**  
Co-founder  
AmperAXP Inc. CA - 94560

  
**Dr. C. Nanjundaswamy** 04.04.2019  
Principal  
Dr Ambedkar Institute of Technology  
Bengaluru-560056.



# **Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY**

(An Autonomous Institute Affiliated to Visvesvaraya Technological University, Belagavi,

Accredited by NAAC, with 'A' Grade)

Near Jnana Bharathi Campus, Bangalore 560056



## **DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS**

(Accredited by National Board of Accreditation)

### **Dissertation Report**

On

### **“REQUEST APPROVAL WORKFLOW [RESOURCE REQUEST]”**

*Submitted in partial fulfilment of the requirement for the award of the degree of*

### **Master of Computer Applications**

By

**SOWJANYA B**

**(1DZ18MCA65)**

**For the Academic Year 2019-2020**

Under the Guidance of

**Mrs. SHAILAJA LK**

**Assistant Professor, Dept. of MCA, Dr AIT, Bangalore.**



## **Visvesvaraya Technological University**

JnanaSangama, Belagavi, Karnataka 590018.





Date: 26 June 2020  
Place: Bangalore


CERTIFICATE OF INTERNSHIP

This is to certify that **Ms. Sowjanya B (1DZ18MCA65)** studying **Master of Computer Applications**, bonafide student of **Dr. Ambedkar Institute of Technology**, underwent internship from **17 Feb 2020** to **26 June 2020**, in our Organization and successfully completed the project titled **"Request Approval Workflow (RAW)"**.

The project was done by her under the guidance of **Mr. Adeep Malmotra and Mr. Anit Chand**.

To the best of our knowledge she bears a good conduct.

For Quadwave Consulting Private Limited

  
Ruchi Solanki  
Manager, HR





# **Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY**

(An Autonomous Institute Affiliated to Visvesvaraya Technological University, Belagavi,

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Near Jnana Bharathi Campus, Bangalore 560056



## **DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS**

(Accredited by National Board of Accreditation)

### **Dissertation Report**

On

### **“REQUEST APPROVAL WORKFLOW”**

*Submitted in partial fulfilment of the requirement for the award of the degree of*

### **Master of Computer Applications**

By

**ABHISHEK S**

**1DA18MCA52**

**For the Academic Year 2019-2020**

Under the Guidance of

**Dr L MANJUNATH RAO**

**Professor and Head, Dept. of MCA, Dr AIT, Bangalore.**



## **Visvesvaraya Technological University**

JnanaSangama, Belagavi, Karnataka 590018.



Date: 26 June 2020  
Place: Bangalore

**CERTIFICATE OF INTERNSHIP**

This is to certify that **Mr. Abhishek S (1DA18MCA52)** studying **Master of Computer Applications**, bonafide student of Dr. Ambedkar Institute of Technology, underwent internship from **17 Feb 2020** to **26 June 2020**, in our Organization and successfully completed the project titled "**Request Approval Workflow (RAW)**".

The project was done by him under the guidance of **Mr. Adeep Malmotra** and **Mr. Anit Chand**.

To the best of our knowledge he bears a good conduct.

For Quadwave Consulting Private Limited

Ruchi Solanki  
Manager, HR





# **Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY**

(An Autonomous Institute Affiliated to Visvesvaraya Technological University, Belagavi,

Accredited by NAAC, with 'A' Grade)

Near Jnana Bharathi Campus, Bangalore 560056



## **DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS**

(Accredited by National Board of Accreditation)

### **Dissertation Report**

On

### **“REQUEST APPROVAL WORKFLOW FOR SOW”**

*Submitted in partial fulfilment of the requirement for the award of the degree of*

### **Master of Computer Applications**

By

**MANIGANDAN A**

**1DA18MCA72**

**For the Academic Year 2019-2020**

Under the Guidance of

**Mrs SHOBHA RANI B.R**

**Associate Professor, Dept. of MCA, Dr AIT, Bangalore.**



**Visvesvaraya Technological University**

JnanaSangama, Belagavi, Karnataka 590018.



Date: 26 June 2020  
Place: Bangalore

**CERTIFICATE OF INTERNSHIP**

This is to certify that **Mr. Manigandan A (1DA18MCA72)** studying **Master of Computer Applications**, bonafide student of **Dr. Ambedkar Institute of Technology**, underwent internship from **17 Feb 2020 to 26 June 2020**, in our Organization and successfully completed the project titled **"Request Approval Workflow (RAW)"**.

The project was done by him under the guidance of **Mr. Adeep Malmotra and Mr. Anit Chand**.

To the best of our knowledge he bears a good conduct.

For Quadwave Consulting Private Limited

Ruchi Solanki  
Manager, HR





# **Dr. AMBEDKAR INSTITUTE OF TECHNOLOGY**

(An Autonomous Institute Affiliated to Visvesvaraya Technological University, Belagavi,

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## **DEPARTMENT OF MASTER OF COMPUTER APPLICATIONS**

(Accredited by National Board of Accreditation)

### **Dissertation Report**

On

### **“REQUEST APPROVAL WORKFLOW [LICENSE REQUEST]”**

*Submitted in partial fulfilment of the requirement for the award of the degree of*

### **Master of Computer Applications**

By

**MONISHA M**

**1DA18MCA75**

**For the Academic Year 2019-2020**

Under the Guidance of

**Dr. CHANDRAKANTH G PUJARI**

**Professor Dept. of MCA, Dr AIT, Bangalore.**



## **Visvesvaraya Technological University**

JnanaSangama, Belagavi, Karnataka 590018.



Date: 26 June 2020  
Place: Bangalore


**CERTIFICATE OF INTERNSHIP**

This is to certify that **Ms. Monisha M (1DA18MCA75)** studying **Master of Computer Applications**, bonafide student of **Dr. Ambedkar Institute of Technology**, underwent internship from **17 Feb 2020** to **26 June 2020**, in our Organization and successfully completed the project titled **"Request Approval Workflow (RAW)"**.

The project was done by her under the guidance of **Mr. Adeep Malmotra** and **Mr. Anil Chand**.

To the best of our knowledge she bears a good conduct.

For Quadwave Consulting Private Limited

  
Ruchi Solanki  
Manager, HR

