

## 7.2 Institutional Best Practices

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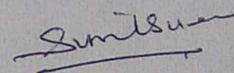
# Fr. Conceicao Rodrigues College of Engineering

Department of Computer Engineering  
(Academic Year: 2018-19)

Project based Learning was a new venture by the college for second year computer engineering students with the aim of bringing real-life context and technology to the curriculum .This instructional methodology encouraged students to learn and apply knowledge and skills through an engaging experience. Students were encouraged to become **independent and team workers, critical thinkers, and lifelong learners**. This initiative by college was a small step to make students industry ready from the early stage.

Students were oriented to PBL approach and various project domains by Dr. Sunil Surve on 12<sup>th</sup> October 2019. Two preferred domains were submitted by all students by 12<sup>th</sup> Dec. Various domains selected by students were machine learning, Android app development, Web application development etc. Students having common domain interests were instructed to form a group of minimum 2 and maximum 3 students. Twenty seven project groups were formed. One faculty was allotted as a guide to each group as per his/her area of specialization. Students were guided by their mentors in the selection of problem statements from the chosen domain. Mentors played a vital role in incorporating skills required in the Analysis, design and implementation phase of the project. Students updated about progress and status of the project to their respective mentor every week on Wednesday and Thursday.

The evaluation of all projects was performed by a panel of teachers at the end of fourth semester on 17<sup>th</sup> April 2019. Each panel had two other faculty members besides Mentor who evaluated the project on the basis of depth of literature survey, innovative solution, presentation skills and team work.



Dr. Sunil Surve  
H.O.D  
(Computer Engineering Department)

**FR. Conceicao Rodrigues College of Engineering**  
**Father Agnel Ashram, Bandstand, Bandra-west, Mumbai-50**  
**Department of Computer Engineering**  
**E- KRISHI – SAURAKSHAK**

**AI and Deep Learning Project under LEADINGINDIA.AI Initiative by Bennett University,  
Greater Noida, Uttar Pradesh**

**Introduction:**

In the developing country like India, agriculture forms the broadest economic sector and plays an important role in the development of the country. Employment to almost 50% of the countries workforce is provided by Indian agriculture sector. Farmer's economic growth depends on the quality of the products that they produce, which relies on the plant's growth and the yield they get. Farmers in India are still using traditional and backward techniques because of lack of proper knowledge. Little or very less technological advancement is found in this area. A large portion of farming and agricultural activities are based on the human predictions, which at times fail. Farmers have to bear huge losses and at times they end up committing suicide. Hence, there is a need of developing computational methods which will make the process of analyzing soil nutrient content present in the soil and disease detection and classification automatic.

**Problem statement:**

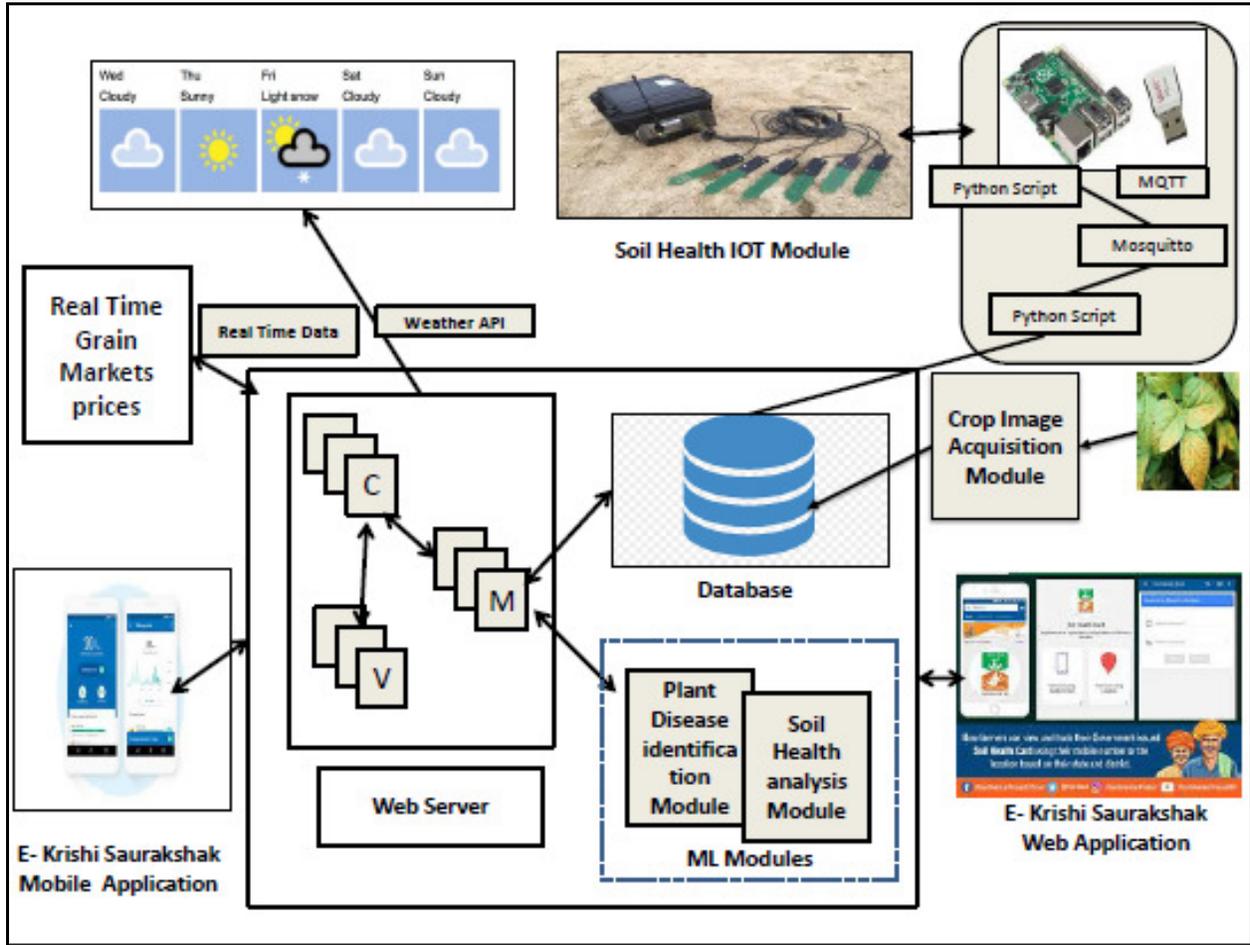
Proposed system tries to digitalize farming and agricultural activities so that the farmers can check on the requirements of the crops and accurately predict their growth. Health of the crop grown highly depends on the weather, moisture, temperature, fertility of soil and disease in plants; such parameters cannot be ignored. Manual detection of soil fertility and plant disease is a tedious job. The proposed system aims at solving the farmers problems related to the soil health quality and detection of plant disease and its remedies.

**Objective:**

Objective of the proposed system is to develop **intelligent, energy efficient** and **cost effective** agriculture system that allows farmers to take the best advantages of technology and increase the yield and so the profit.

**Description:**

**Figure 1.1.** Shows the architecture of the proposed system.



**Figure 1.1:** Architecture of E-KrishiSaurakshak System

**The architecture contains following key components**

1. Web server for generating dynamic response for farmer request
2. Mobile app for easy access to soil health, crop and fertilizers recommendation and disease identification and pesticides recommendations.
3. Web portal for administrator and farmers.
4. Soil health monitoring module using IoT
5. Machine learning modules for soil health analysis and plant disease identification.
6. Crop Images dataset, soil health dataset

**Functional Requirements:**

- 1) Farmer can register to the system through mobile app or web portal
- 2) Farmer can test the soil parameter using IoT module. The soil health data will be uploaded on the cloud.
- 3) Farmer can also upload crop images through mobile app/web portal for disease identification.

- 4) Farmers can view the soil health status
- 5) Farmers will get crops and fertilizers recommendations of based on the soil health.

**The system is divided into three modules.**

- 1) Soil Testing and analysis module
- 2) Plant disease Identification module
- 3) Chatbot for Farmers

Following students are part of this project

**Module 1**

1. Merlin payapilly
2. Aditya Patil
3. Jennel Mathias
4. Lenson mathias
5. Lenson Daniel
6. Kenric fernandes
7. Jerome Nicholas
8. Simran Gadakari

**Module2**

1. Gauri jare
2. Aishwarya sebin
3. Asley Lobo
4. Nehal Kalnad
5. Juhi Checker
6. Kartik Hariharan
7. Suyash Srikumar
8. Atharva Atre
9. Cajeton
10. Alphaesus Dmonte
11. Vedant sakhardande
12. Clayton Pererra
13. Solomon George
14. Anne Isai
15. Shreya Bhujbal

**Module 3**

1. Sumedh Deshpande

2. Yashome Dighe
3. Cristo Aluckal
4. Dhanjay chobhe
5. Davina Pinto
6. Shawn lopes
7. Chinmay gaonkar
8. Sanjeev Hippurgikar
9. Shubham Ambilkar

**Dr. Srija Unnikrishnan**  
**(Principal)**

**Dr. sunil surve**  
**HOD( Computer Department)**

## **Assessment Report for the First Graded Review of FCRCE**

**Preamble:** leadingindia.ai has made significant progress to improve the landscape of AI in India. 25 workshops have been completed and 2000+ participants have successfully completed the training. First batch of 100 interns from different institutions were happy after completing their respective projects Bennett University AI Lab. We already have first set of sabbaticals at our campus. Institutions have started impactful projects with new datasets and are interacting with us continuously. New startups and industries are being added every month for wide ranging collaboration to further upgrade the deliverables in this initiative. Dream Buddy Accelerator is unique venture that has been started to support innovation and startup ideas. New resources, gallery and information is continuously being added in **leadingindia.ai** website.

**Your esteemed institution** has a lot of strength to rise to next level of excellence. It has already achieved many milestones and contributed a lot to the cause of higher education in the country. This can be enhanced further by adopting new age tools of 21<sup>st</sup> century education and embracing pedagogy suitable for the next generation learners. Research and development need to align itself to the needs of the society so that it has visible impact and brings tangible change in the quality of life of human race.

**Research Part: Rating: 2 out of 5**

### **Accomplishments and Attainments:**

\* You have good research team led by Prof Sunil Surve and well supported by the team. \* Champions for different activities to complete with in due time has been identified

\* Few PG Students has been identified, who will work in this area.

**Areas of Growth and Reflection:** \* Publications are awaited in this area of research

\* Need to push faculty to choose those publication avenues, which have more impact and relatively better ranked (even in SCI and Scopus) in their area of

research. \* Faculty need to boost their confidence, to start sending their work for publication in top journals. \* Efforts are required to secure funding from different agencies and submissions need to be made. \* Apart from traditional funding sources of state and Central Govt., we also need to actively explore funds/resources from Industry/International funding agencies. Many times, it is even easier and speedier to get these funds. Only challenge is to change the mindset of our faculty so as they feel confident to apply to such agencies. \*People from Industry may be taken on board as co-advisors or at adjunct/invited positions, which may further accelerate the progress of the group.

### **Development Part: Rating: 2.5 out of 5**

**Accomplishments and Attainments:** \*Datasets to be created and the products to be developed has been partially identified.

**Areas of Growth and Reflection:** Champions need to be listed for each unit of activity/task to be completed (Many columns are still blank)

\*Proactive attitude may help to grow in this area. This will be the key defining section of the success of the whole project/initiative.

\* More active involvement and integrated approach in involving UG, PG and PhD cohort in the development activities will greatly help

\* Product Development Plan and blue print must be articulated in a rigorous fashion to avoid any chances of failure and mitigating the risk of going off-track.

### **Skilling Part: Rating: 3 out of 5**

**Accomplishments and Attainments:** \*Faculty attended the Deep Learning Workshop of leadingindia.ai, Deep Learning workshop was very well organized at your institution and appreciated by all the participants\* Faculty has taken up online courses from NPTEL and other portals.

**Areas of Growth and Reflection:** \* Consistent efforts and planning will be required to meet the targets of skilling for basic partners and students. Foundational and specialized workshops need to be planned for skilling the manpower.

### **Outreach Part: Rating: 3 out of 5**

**Accomplishments and Attainments:** \* Few Industries has been contacted and involved in delivering the talk/Workshop. \* AI Club has been activated and need to be more energized

**Areas of Growth and Reflection:** Efforts and support from Senior people and management will be required to start targeted Industry and startup outreach.

\* Basic partners need to be engaged \* Social media handles for this group need to be activated.

### **Working of the Group: Rating: 4 out of 5**

**Accomplishments and Attainments:** \* Group is working in a cohesive manner. \*Response and communication by the group abides by the time for different activities.

**Areas of Growth and Reflection:** \* Continuous team activities will further enhance the team spirit of all the members which will help to further increase their contribution.

**Overall Rating: 3 out of 5 (Satisfactory with a lot of potential to excel and transform to lead the region for Higher education and research)**

## ROBOCON REPORT

Robocon is Asia Pacific region's most prestigious contest. Every year more than 120 teams from all over India participate in Robocon India. The teams compete in the competition nationally and the winning team represents India on an international platform. The competition aims to encourage budding engineers and enthusiasts to innovate and think out of the cliched box. Envisioning a future outside of the monotony of academics, students from all the branches come together, aspiring to achieve the common goal of securing the highest rank in the competition. This gave birth to one of the most sought-after technical teams in this institution. The team consists of Production students, who design and fabricate the robot, while the Computers and Electronics students automate the robot to meet the requirement stated by the competition organizers. As easy it seems, the perfection we strive to achieve comes from long days and short nights, persistence, hours of sweat, blood and tears, and settling for nothing but the best. As the problem statement arrives in the month of August, the team spends three months prior to that, perfecting concepts and implementing them practically.

Based on the unique Mongolian lifestyle and tradition's the ABU Robocon 2019 aims to promote the idea of sharing knowledge with each other using the 'Urtuu' system. Each team has two robots: one manually operated and the other is autonomous but without wheels. Both the bots are given certain tasks such as passing the 'gerge' (message), throwing the 'shagai' (ankle bone shooting) and finally raising the 'gerge' at 'Uukhai' area. Whichever team raises the 'gerge' wins and is called the "Uukhai"!

We thank our faculty in-charge, Prof. Kranti Wagle, Prof. Saurabh Korgaonkar and Dr. Deepak Bhoir for always directing and motivating us. With a little practice, our mission, "Uukhai" no longer seems difficult to achieve.

ROYSTAN D'SILVA  
TEAM CAPTIAN

## MAVERICKS REPORT

Team Mavericks UAS was initially founded by a group of young engineers who aspired to do something new and revolutionary that would take the world by storm. This has always been the goal that inspires us to strive and create solutions to the problems in the field of automation and aerial robotics.

We are a technical team that works on the development of drones and other aerial vehicles. Our expertise lies in the field of unmanned automated flight. We specialize in developing solutions that are better, cost effective and provide more efficiency and utility than those already available in the market. This requires us to remain up to date with the bleeding edge of new sciences and technologies that the world has to offer. One of the projects that we undertook, got us to build an Autonomous Vertical Take-off and Landing Airplane. The mission of this project was to create a time and cost-effective way to transport medical aid to places that are deprived of access to modern medical facilities. Creation of Hexacopters and quadcopters that are capable of autonomous takeoff, landing, flying to desired location and returning to its landing location are amongst other such drones that we have built so far.

Currently our team is focusing on participating in the AUVSI SUAS competition. The mission statement of this competition requires us to create a completely automated drone to tackle the disaster relief scenario. The mission involves creating a drone that can achieve heights greater than 100 feet within minutes of take-off and reach a target location to deliver a payload of medical equipment. Apart from this, our team has also been working in partnership with Inficorridor Solutions Pvt. Ltd. to develop aerial 3D-mapping techniques using drones. Recently team Mavericks UAS were credited to be 'The Next Generation of Indian Pilots' in a Bombay Times article published on 7th June 2018.

We at Mavericks believe that it is important to impart knowledge to our other fellow engineers. That motivated us to conduct workshops on 'Introduction to Arduino' and 'Deep Learning' for the FEs and TEs respectively, both of which were huge successes. These workshops not only teach important engineering topics to the students, but also inculcates the problem solving aptitude, inquisitiveness and important intuitions regarding practicality of a proposed solution in their minds. Lastly, we would like to thank Rev. Fr. Valerian D'Souza and our principal Dr.Srija Unnikrishnan for their constant support behind the achievements we have made so far. We also would especially like to thank our mentor Dr.Sunil Surve and Mr. Ajay Kohli for guiding us and helping us overcoming every difficulty that we encountered along our journey so far. Finally, we hope to bring pride and prestige to our college by supporting their cause of moulding engineers for a better tomorrow.

SUMEDH G. DESHPANDE  
Team Captain

## CRCE FORMULA RACING TEAM REPORT

CRCE Formula Racing team is Fr. Conceicao Rodrigues College of Engineering's Formula SAE Team. A shared passion for automobiles and a zeal to learn formed the essence of CRCE Formula Racing. Thirty Fr. CRCE students, from a variety of engineering disciplines make up the 2018 - 19 CRCE Formula Racing team. Each student brings instrumental skills to the team; the union between the diverse skillsets and strong team work forms the core of the team. The team made its international debut in 2014 at Formula Student Japan (FSJ) & its national debut in 2017, at the SAE Supra held at the Buddh International Circuit, New Delhi.

The team took part in Formula Bharat in 2018 and stood 27th. CRCE Formula Racing provides an unrivalled learning experience, that allows engineers to integrate classroom concepts with a practical application, and compels students to overcome intellectual and collaborative challenges. The final racecar is a testament to the team's incredible work ethic and dedication.

The general Goal, is to build the best Formula Student Racing Car, which can be accomplished only when all the departments work together as a team. The students work rigorously on this project, in order to accomplish the goals set in advance. Being part of CRCE Formula Racing means that you will acquire new soft-skills and practical knowledge that are essential even after graduating. The team took part in Formula Bharat in 2019 as well. Finishing with a rank of 26th nationally and clearing technical inspection for the first time ever. This was a huge milestone for the team. It is time for the team to now bid good-bye to this bitter-sweet season filled with experience, motivation and gratitude, to take the next season head on at Formula Bharat 2020! The team has learnt so much more and wishes to dig deeper. They expect nothing but your prayers and well wishes as they step into this journey once again. They wish to bounce back stronger and Rattle, Rumble and Roar louder than ever.

NADAR AHIMS JASON  
TEAM CAPTAIN

## TEAM AVISROTA REPORT

Team Avisrota CRCE is the official Go-kart manufacturing team of Fr. Conceicao Rodrigues College of Engineering, Bandra. The team was founded in the year 2016 by a group of final year Production Engineering students and now has 14 budding engineers filled with a passion for Go-Karts and a burning zeal to learn.

What do we do?

We design, fabricate and manufacture our very own Go-Kart in-house without seeking a strong support of professionals.

History:

In 2016-17, Avisrota participated in ISK (Indian Series of Karting) held in Bangalore, securing AIR 26 and GKDC (Go Kart Design Challenge), where we could not qualify for the final round. In 2017-18, the team targeted GKDC, and cleared the Statics stage successfully but due to technical errors, couldn't get through the Technical Inspection round. The team ranked AIR 32nd, out of an astounding 108 teams.

The team however, was disheartened with the results. Also, the team faced major issues with recruitment, peer pressure and space constraints due to two teams sharing a common workspace. Nevertheless, the team did not lose hope. They turned their weaknesses and hardships into strengths. As there were few members in the team, it brought them closer to each other, and they worked as a family that was inert to any negativity and came back stronger in the third year of participation in the 6th GKDC, held from 22nd February to 27th February, 2019 and now our results do the talking.

Present:

In 2018-19, the team worked hard and came back stronger. The team participated in 6th GKDC from 22nd to 27th February, 2019 and not just cleared the Statics Stage but ranked among the TOP 3 AIR, in Statics reports presentation. The team also cleared the Technical Inspection, which served as a gateway for Dynamic events. The team performed Acceleration test, Brake test, Skidpad, Autocross and Endurance race and stood 16th out of 180 AIR (All Over India).

Our Achievements:-

OVERALL AIR 16

COST ANALYSIS REPORT AIR 3

DESIGN EVALUATION REPORT AIR 3

AUTOCROSS EVENT AIR 8

DISASM TIME 15 minutes

We thank our Production faculty members and the non-teaching staff for their help and support.

## E-yantra Report

In year 2013, Prof. Kranti Wagale and Prof. Parshvi Shah attended 2 days workshop on “Introduction to Robotics” conducted by IIT, Bombay. Followed by this, 4 faculty members Prof. Kranti Wagle, Prof. Kalpana Deorukhkar, Prof. Nayarayan and Dr. Sunil Surve successfully completed Level 1 competition of Maze solving, because of this our college received award of 5 Robotics kits and set up of E-yantra lab in electronics dept.



E-yantra Lab

The team members from Project cell take part in the project competition conducted by e-Yantra, an initiative by IIT, Bombay and supported by MHRD. **This is the third consecutive year where projects developed by project cell team members got best project award in different categories at e-Yantra.** These projects were selected among 300+ projects, from different regions of India.



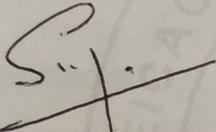
In every year our student teams participates in E-YiC and received awards. This year (2019) a project “Pani-Puri Vending Machine using Image Processing and Machine learning”, developed by project cell team has received best project award at e-Yantra competition.

## NOTICE

### All T. E. Students

Aptitude test training for placement purpose will be arranged for 7 days starting from 24<sup>th</sup> June 2019 and ending on 30<sup>th</sup> June. The cost of the training is Rs.2,500/- including GST.

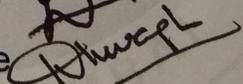
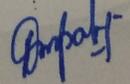
Students who have missed out to register for the training may do so by paying Rs.2,500/- in the College Office on or before 30<sup>th</sup> April 2019.

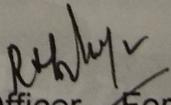
  
PRINCIPAL

C.C. : Fr. Valerian D'Souza

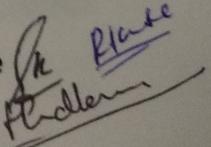
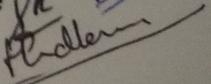
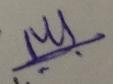
  
HOD- Prod / Elex / Comp / Info. Tech.

Third Year Class teachers – Please read this notice in Classroom

- Production – Ms. Dipali Bhise 
- Electronics – Ms. Kranti Wagle 
- Computer – Mr. Sunil Chaudhari
- Info. Tech. – Mr. Nilesh Patil 

  
Mr. Mahesh Sharma, Training & Placement Officer / For co-ordination.

Training & Placement Coordinators

- Production – Mr. Saurabh Korgaonkar / Mr. Prasad Kawade 
- Electronics – Ms. Heenakauser Pendhari / Mr. Jayesh Modi 
- Computer – Mr. Sunil Chaudhari / Ms. Monali Shetty 
- Info. Tech. – Mr. Jay Borade / Mr. Saurabh Kulkarni 

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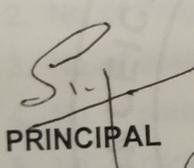
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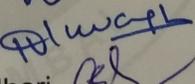
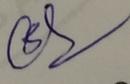
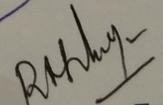
Aptitude test and soft skills training for placement purpose is arranged. The training will be for approximately 60 hrs spread over the next three months. The cost of the training is Rs.2,500/- including GST.

Interested students are required to register for the same in the College Office by paying Rs.2,500/- on or **before 18<sup>th</sup> March 2019**.

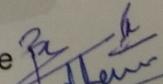
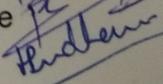
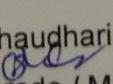
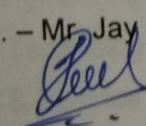
  
PRINCIPAL

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- Info. Tech. – Mr. Jay Borade / Ms. Saurabh Kulkarni 

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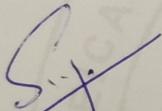
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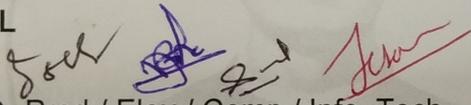
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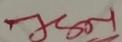
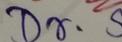
Aptitude test training for placement purpose will be arranged for 6 days in the last week of June 2018. The cost of the training is Rs.2,400/- including GST.

Interested students are required to register for the same in the College Office by paying Rs.2,400/- on or before 27<sup>th</sup> April 2018.

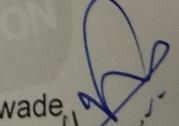
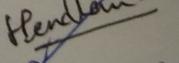
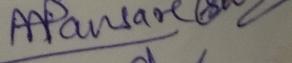
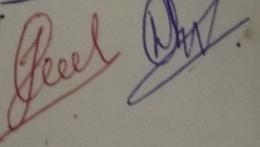
  
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- Mr. Mahesh Sharma, Training & Placement Officer – For co-ordination.

Training & Placement Coordinators

- Production – Mr. Miriyala Veerabhadrarao / Mr. Prasad Kawade 
- Electronics – Ms. Heenakauser Pendhari / Mr. Jayen Modi 
- Computer – Mr. Sunil Chaudhari / Ms. Ashwini Pansar 
- Info. Tech. – Mr. Jay Borade / Ms. Prajakta Dhamanskar 

11  
**R. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING**  
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050.

Ref.: CRCE / 2017 / 065

Date : February 6, 2017.

**NOTICE**

**For TE Students**

In a run up for placement drive for 2017-18 batch of students, M/S Cap Gemini is going to hold a session on IOT Framework for TE Students.

This will help students to prepare for their recruitment process by having insights about their company and projects.

Attendance is compulsory.

Schedule of the session:

**Topic: IoT Framework**

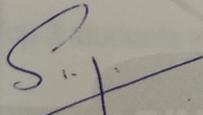
**Date: 6<sup>th</sup> Feb 2017**

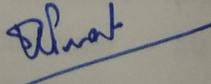
**Reporting time: 1:45 PM Venue : Samvaad Auditorium**

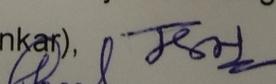
**Resource Person: Manish Parulekar, Program Manager, Capgemini**

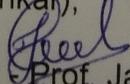
**Speaker's Profile:**

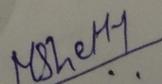
*Manish Parulekar is an Technology Leader with over 15 years of professional experience in the software industry. He is TOGAF Certified Enterprise Architect. He is currently leading Technology Consulting Group and Predix Practice @ Capgemini (GE Business Unit). He has lead large portfolios and challenging large development engagements that involved emerging Web technologies, Enterprise Products and IoT Platforms. His experience involves in leading projects in Manufacturing, Financial and Energy Utilities domains.*

  
**(DR. SRIJA UNNIKRISHNAN)**  
**PRINCIPAL**

CC : Dean - Academics , 

TE Class Teachers ( IT - Prof. Prajakta Bhangale, CE - Prof. Ashwini Pansare  
& Elex - Prof. Jagruti Nagaonkar), 

Placement Coordinators ( IT - Prof. Jay Borade, CE - Prof. Ashwini Pansare  
and Elex- Prof. Heena Kulkarni), 

  
Monali Shetty

FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING  
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050.

Ref.: CRCE / 2016 / 410

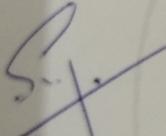
Date : August 20, 2016.

**NOTICE**

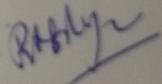
**All Final Year B. E. Students**

A company specific placement training will be arranged for 3 days on 29<sup>th</sup>, 30<sup>th</sup> & 31<sup>st</sup> August 2016 before the Day 1 Company Recruitment Drive which is expected on 1<sup>st</sup> September 2016. The cost of the training is approximately Rs 700/-.

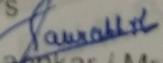
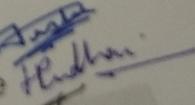
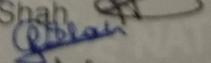
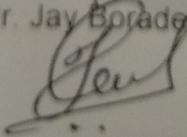
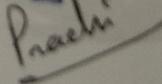
Interested students are requested to register for the same in the College Office by paying Rs.700/- on or before 24<sup>th</sup> August 2016. In case, insufficient no. of students opt for it, training will be cancelled and paid students will be reimbursed.

  
PRINCIPAL

C.C. : HOD- Prod / Elex / Comp / Info. Tech.

Mr. Mahesh Sharma, Training & Placement Officer – For co-ordination. 

Training & Placement Coordinators

- Production – Mr. Saurabh Korgaonkar / Mr. M.V. Rao 
- Electronics – Ms. Heenakauser Pendhari / Ms. Tisha Jose 
- Computer – Mr. Mahendra Mehra / Ms. Parshvi Shah 
- Info. Tech. – Mr. Jay Borade / Ms. Prachi Patil   


**FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING**  
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050.

Ref.: CRCE / 2016 / 190

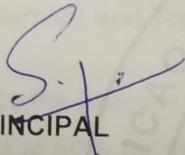
Date : April 13, 2016.

**NOTICE**

**All T. E. Students**

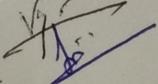
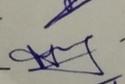
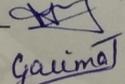
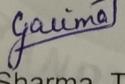
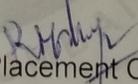
Aptitude test training for placement purpose will be arranged for 6 days in the last week of June 2016. The cost of the training is Rs.1,800/-.

Interested students are required to register for the same in the College Office by paying Rs.1800/- on or before 20<sup>th</sup> April 2016.

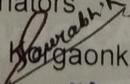
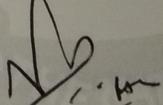
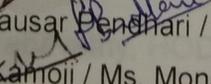
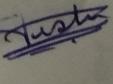
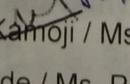
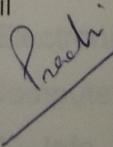
  
PRINCIPAL

C.C. : HOD- Prod / Elex / Comp / Info. Tech.

<sup>3<sup>rd</sup></sup>  
~~Final~~ Year Class teachers - Please read this notice in Classroom

- Production - 
- Electronics - 
- Computer - 
- Info. Tech. - 
- Mr. Mahesh Sharma, Training & Placement Officer - For co-ordination. 

Training & Placement Coordinators

- Production - Mr. Saurabh  / MV Rao 
- Electronics - Ms. Heenakausar  / Ms. Tisha Jose 
- Computer - Ms. Supriya  / Ms. Monali Shetty 
- Info. Tech. - Mr. Jay Borade  / Ms. Prachi Patil 

**FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING**  
Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai – 400 050.

Ref.: CRCE / 2015 / 344

Date : July 1, 2015.

**NOTICE**

**SESSION ON PREPARATION FOR JOB INTERVIEWS**

**B.E FINAL YEAR STUDENTS**

**- ELECTRONICS, COMPUTER & INFO. TECH.**

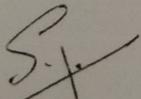
A Session with our Alumni, Mr. Aditya Pundir and Vibhati Joshi working with Morgan Stanley has been organized for above students on Thursday, 2<sup>nd</sup> July 2015 at 9.45 AM to 11.45 AM in Samvaad Auditorium (9<sup>th</sup> Floor).

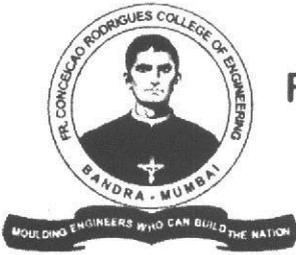
The agenda is as under :-

1. Morganstanley preparation tips.
2. Preparation Tips for other companies
3. CV preparation hints and CV review.

All students have to be present on Thursday at 9:30 AM in Samvaad in formals with their well written CVs.

FACE training will start at 12:00 Noon on that day.

  
(DR. SRIJA UNNIKISHNAN)



SOCIETY OF ST. FRANCIS XAVIER, PILAR'S

# FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING

(Approved by AICTE & Affiliated to University of Mumbai)

Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050.

Phone : (022) 6711 4000, 67114101, 6711 4104 • Fax : 6711 4100

Website : [www.frcrce.ac.in](http://www.frcrce.ac.in) • Email : [crce@fragnel.edu.in](mailto:crce@fragnel.edu.in)

Date: 14<sup>th</sup> March 2019

## **CIRCULAR** **CRESCENDO 2019**

The Annual Inter-collegiate Technical festival CRESCENDO 2019 is scheduled to be held on March 15-16, 2019. In order to have an active participation of students and staff members the lectures/practicals scheduled on 15<sup>th</sup> March 2019 are cancelled. All the teaching and non-teaching staff members are requested to give their whole-hearted participation to the event.

The Inaugural function is scheduled on March 15, 2019 at 9.45 am and the Closing ceremony on March 16, 2019 at 4.00 pm in Samvaad Auditorium. All the staff members are requested to attend the same.

The schedule of the festival is attached herewith.

  
(DR. SRIJA UNNIKRISHNAN)  
PRINCIPAL

## Crescendo Events Schedule

| Council Name | Event Name             | Venue            | Days | Time          |
|--------------|------------------------|------------------|------|---------------|
| CSI          | Counter Strike         | 603,604          | 1    | 11am - 4pm    |
|              |                        |                  | 2    | 9am - 4pm     |
| CSI          | Code Swapping          | 602              | 1    | 11am - 4pm    |
|              |                        |                  | 2    | 9am - 4pm     |
| Mozilla      | Capture the flag       | 609              | 1    | 11am - 4pm    |
|              |                        |                  | 2    | 10:30am - 4pm |
| Mozilla      | Image Capture          | 611              | 1    | 11am - 4pm    |
|              |                        |                  | 2    | 10:30am - 4pm |
| IIIExCRCE    | Technotalks            | 707              | 1    | 11am - 3pm    |
| SAE          | Fasten the Fastners    | 406              | 1    | 11am - 3pm    |
|              |                        |                  | 2    | 10:30am - 3pm |
| SAE          | Re-search the Research | 411              | 1    | 11am - 3pm    |
|              |                        |                  | 2    | 10:30am - 3pm |
| ACM          | Web Master             | 801              | 1    | 11am - 3pm    |
| ACM          | Linux Master           | 801              | 2    | 10am - 3pm    |
| IIIExCRCE    | Paper Planes           | 701              | 1    | 11am - 4pm    |
|              |                        |                  | 2    | 10:30am - 4pm |
| CodeLabs     | Blind Coding           | 711              | 1    | 11am - 4pm    |
|              |                        |                  | 2    | 10:30am - 4pm |
| ASME         | Quiz Up                | 407              | 1    | 11am - 4pm    |
| ASME         | Suspension Bridge      | Mechanics Lab    | 2    | 9am - 3pm     |
| SME          | CAD Wars               | CAD Lab          | 1    | 11am - 4pm    |
| SME          | Tech Pong              | 401              | 1    | 11am - 4pm    |
|              |                        |                  | 2    | 11am - 4pm    |
| CodeLabs     | PUBG Gaming            | Basketball Court | 1    | 11am - 4:30pm |
|              |                        |                  | 2    | 10:30am - 4pm |
| TEDxCRCE     | Escape Room            | ED Hall          |      |               |

|               |                           |                           |      |               |
|---------------|---------------------------|---------------------------|------|---------------|
| IEEE CRCE     | Project Competition       | 2nd,3rd Floor             | 1    | 11am - 5pm    |
| WIE           | Line Follower Competition | 306,307                   | 2    | 10am - 4pm    |
| WIE           | Circusign                 | 306                       | 1    | 11am - 3pm    |
| NSS CRCE      | Photography Competition   | -                         | Open | -             |
| Rotaract Club | Footpool                  | BCR                       | 1    | 12pm - 3pm    |
| E Cell        | Idea Competition          | 808, 809, 810             | 2    | 9am - 4pm     |
| IIC           | Hackathon                 | Samvaad and 9th Floor Lab | 1    | 12pm - 10pm   |
| Mavericks     | Drone Flight Simulator    | Mavericks Room            | 1    | 11am - 4:30pm |

Ref.: CRCE / 2018 / 121

Date : March 15, 2018.

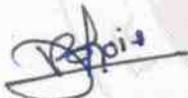
**CIRCULAR**

**CRESCENDO 2018**

The Annual Inter-collegiate Technical Festival CRESCENDO 2018 is scheduled to be held on 16<sup>th</sup> – 17<sup>th</sup> March 2018. In order to have an active participation of students and staff members, the lecture/practical classes scheduled on 16<sup>th</sup> March 2018 are cancelled. All the teaching and non teaching staff members are requested to give their whole hearted participation to the event.

The inaugural function is scheduled on 16<sup>th</sup> March 2018 at 9.30 AM in SAMWAD auditorium. All the staff members are requested to attend the same.

The schedule of the festival is also attached herewith.

  
(DR. SRIJA UNNIKRIISHNAN)  
PRINCIPAL

C.C. : Fr. Peter D'Souza

Fr. Valerian D'Souza

MOULDING ENGINEERS WHO CAN BUILD THE NATION

11/02/2012-NEB  
Government of India  
Ministry of Science & Technology  
Department of Science & Technology

Technology Bhawan,  
New Mehrauli Road,  
New Delhi 110 016.  
Dated: 14/03//2017

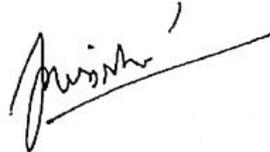
**ORDER**

Sub: Continuation of an Innovation and Entrepreneurship Development Centre (IEDC) at Fr.Conceicao Rodrigues College of Engineering, Mumbai during 2016-17.

In continuation of this Department's sanction order of even no.dated 029/2/2014, sanction of the President is accorded for the continuation of an Innovation and Entrepreneurship Development Centre (IEDC) at Indian Institute of Technology, at a total cost of Rs.800,000/- ( Rupees eight lakh only). The financial assistance to the IEDC from this Department would be available for a maximum period of five years. **However, the quantum of assistance and its continuation would be on yearly basis subject to the review of the performance of IEDC by the Department.**

2. Sanction of the President is also accorded for the release of grants- in- aid of Rs. 6,79,926/- (Rupees Six lakh seventy nine thousand nine hundred twenty six only) as the recurring expenditure for the 5th year of operation of IEDC to Fr.Conceicao Rodrigues College of Engineering, Mumbai. Sanction of the President is also accorded for carry forward of Rs. 1,20,074/- earned as bank interest and available fund.

| Sl No | Items of expenditure  | Amount Rs  |
|-------|---|------------|
|       | Recurring   |            |
| 1.    | Student projects (five Nos @ Rs 1.00 lakhs each)  | 5,00,000   |
| 2.    | Contingencies (phone fax stationery travel and honorarium to the Coordinator of IEDC etc) | 3,00,000   |
| 3.    | Less balance amount available including bank interest                                     | 1,20,074   |
|       | Total   | 6,79,926/- |



3. The manpower employed in the IEDC project would be co-terminus with the duration of the IEDC project and the Department(DST) would have no liability to meet the manpower costs beyond the duration of the project (Vide Order No. A-20020/11/97 IFD dt.16.8.2002). In order to ensure this, IEDC is advised to enter into yearly contract with the persons to be employed under the project.

4. The Drawing & Disbursing Officer, Department of Science & Technology, shall arrange to pay an amount of 6,79,926/- (Rupees Six lakh seventy nine thousand nine hundred twenty six only) to Fr. Conceicao Rodrigues College of Engineering, Fr. Agnel Ashram, Bandstand, Bandra (West) Mumbai – 400 050 by means of RTGS as per the details given below :

|                            |  |
|----------------------------|--|
| Name of the Account Holder | Fr. Conceicao Rodrigues College of Engineering   |
| Name of the Bank           | Corporation bank                                 |
| Branch Address             | 105, Baitul Sharaf, Bandra (West), Mumbai 400050 |
| IFSC code                  | CORP0000120                                      |
| MICR code                  | 400017003  |
| Account No.                | 012000101033315                                  |

5. The sanction of this grant is subjected to the terms and condition mentioned in the Annexure.

6. The expenditure is debitable to Demand No. 77-Department of Science & Technology (DST) for the year 2016-17 (Plan):-

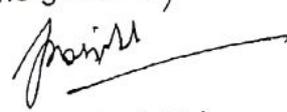
3425 Other Scientific Research (Major Head)  
 60 Other (Sub Major Head)  
 60.200 Assistance to Other Scientific Bodies (Minor Head)  
 08 Grants-in-aid for S&T programmes for Socio-economic Development  
 08.10 Science & Technology Entrepreneurship Development activities  
 08.10.31 Grants –in -aid General

7. The grantee should submit a six monthly progress report of activities of IEDC to the Department.

8. The grantee will submit the Utilization Certificate and the Statement of Audited expenditure as per the enclosed format of the department after the end of the current F.Y. They may also forward the budget for the next F.Y. along with it after the approval of the competent authority/monitoring committee.

*Merish*

10. This issues with the approval of Integrated Finance Division, Department of Science & Technology vide their sanction no.c/ 6167/IFD/2016-17 dated 9 /03/2017.
11. The sanction order has been entered in the sanction order register as per GFR-39 at Sl. No. 208 of the register.
12. The institute will maintain separate audited accounts for the project and the amount of grant will be kept in a bank account earning interest. The interest earned should be reported to DST while submitting the statement of Expenditure/Utilization Certificate. The interest thus earned will be treated as a credit to the institute be adjusted towards further installment of the grant.
13. It is certified that no UC is pending from the grantee in regards to the grants-in-aid released under the programme.

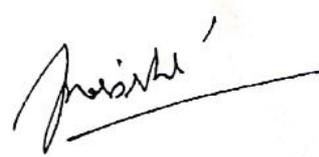
  
(Naveen Vasishtha)  
Scientist E

To,

The Pay & Accounts Officer  
Department of Science & Technology  
New Delhi.

Copy to:

1. Dr. Srija Unnikrishnan  
Principal,  
Fr. Conceicao Rodrigues College of Engineering,  
Fr. Agnel Ashram, Bandstand, Bandra (West)  
Mumbai-400 050
2. Office of the Principal Director & Audit, AGCR Building, III Floor, I.P. Estate,  
New Delhi-110002.
3. Office of the Accountant General, Maharashtra.
4. Head (NEB)/Sanction Folder
5. Cash Section/IFD/Accounts Section

  
(Naveen Vasishtha)  
Scientist-E

11/02/2012-NEB(G)  
Government of India  
Ministry of Science & Technology  
Department of Science & Technology

|                        |                    |
|------------------------|--------------------|
| FR. CONCEICAO - BANDRA |                    |
| INWARD MAIL            |                    |
| No.                    | 349                |
| Date                   | 8-3-2016           |
| Sign                   | <i>[Signature]</i> |

Technology Bhawan,  
New Mehrauli Road,  
New Delhi 110 016.  
Date: 29/02/16

ORDER

Sub: Continuation of an Innovation and Entrepreneurship Development Centre (IEDC) at Fr.Conceicao Rodrigues College of Engineering, Mumbai during 2015-16.

In continuation of this Department's sanction order of even no. dated 19/01/15, sanction of the President is accorded for the continuation of an Innovation and Entrepreneurship Development Centre (IEDC) at Fr.Conceicao Rodrigues College of Engineering, Mumbai at a total cost of Rs.800,000/- (Rupees eight lakhs only). The financial assistance to the IEDC from this Department would be available for a maximum period of five years. However, the quantum of assistance and its continuation would be on yearly basis subject to the review of the performance of IEDC by the Department.

2. Sanction of the President is also accorded for the release of grants- in- aid of Rs. 646,087/- (Rupees six lakh forty six thousand eighty seven only) for the 4<sup>th</sup> year of operation of IEDC to Fr.Conceicao Rodrigues College of Engineering, Mumbai during 2015-16. Sanction of the President is also accorded to carry forward an amount of Rs.143,231/- (Rupees one lakh forty three thousand two hundred thirty one only) as unutilized amount from recurring grants and Rs.10,682/- (Rupees ten thousand six hundred eighty two only) as bank interest.

3.Head wise break-up of the approved budget is shown below:

| Sl No | Items of expenditure   | Amount Rs      |
|-------|--|----------------|
|       | Recurring  |                |
| 1     | Student projects (five Nos @ Rs 1.00 lakhs each)   | 500,000        |
| 2     | Contingencies (phone fax stationery travel and honorarium to the Co-ordinator of IEDC etc) | 300,000        |
|       | Less bank interest   | 10,682         |
|       | <b>Less Unspent balance</b>  | <b>143,231</b> |
|       | <b>Net release</b>   | <b>646,087</b> |

4. The host Institute would appoint a Co-ordination of IEDC immediately to oversee the operations of the IEDC on day to day basis.

5. The coordinator should undergo Faculty Development Programmes (FDP) as early as possible, which are sponsored by the Department and other agencies for developing trainers in entrepreneurship area.

*[Signature]*

6. The manpower employed in the IEDC project would be co-terminus with the duration of the IEDC project and the Department(DST) would have no liability to meet the manpower costs beyond the duration of the project (Vide Order No. A-20020/11/97 IFD dt.16.8.2002). In order to ensure this, IEDC is advised to enter into yearly contract with the persons to be employed under the project.

7. The host institution should also appoint an Advisory Board to be headed by the Principal/Head of the institution to monitor the progress of implementation of the IEDC project and its activities. This Board may advise the host Institute for raising funds from other sources for the IEDC for its activities.

8. The Drawing & Disbursing Officer, Department of Science & Technology, shall arrange to release an amount of Rs.646,087/- (Rupees six lakh forty six thousand eighty seven only) to Fr. Conceicao Rodrigues College of Engineering, Fr. Agnel Ashram, Bandstand, Bandra (West) Mumbai – 400 050 by means of RTGS as per the following details given below.

|                            |  |
|----------------------------|--|
| Name of the Account Holder | Fr Conceicao Rodrigues College of Engineering    |
| Name of the Bank           | Corporation bank                                 |
| Branch Address             | 105, Baitul Sharaf, Bandra (West), Mumbai 400050 |
| IFSC Code                  | CORP0000120                                      |
| Account No.                | 012000101033315                                  |
| MICR CODE                  | 400017003  |

9. The sanction of this grant is subjected to the terms and condition mentioned in the Annexure.

10. The expenditure is debitable to Demand No. 86-Department of Science & Technology (DST) for the year 2015-16 (Plan):-

- 3425 Other Scientific Research (Major Head)
- 60 Other (Sub Major Head)
- 60.200 Assistance to Other Scientific Bodies (Minor Head)
- 08 Grants-in-aid for S&T programmes for Socio-economic Development
- 08.10 Science & Technology Entrepreneurship Development activities
- 08.10.31 Grants –in -aid (General)

11. The grantee should submit a six monthly progress report of activities of IEDC to the Department.

12. The grantee will submit the Utilization Certificate and the Statement of Audited expenditure as per the enclosed format of the department after the end of the current F.Y. They may also forward the budget for the next F.Y. along with it after the approval of the competent authority/monitoring committee.

13. As per Rule 211(1) of GFRs, the accounts of all grantee institutions shall be open to inspection by the sanctioning authority audit whenever the institution is called upon to do so.

14. This issues with the approval of Integrated Finance Division, Department of Science & Technology vide their sanction no.c/5306/IFD/2015-16 dated 11/02/16.



15. The sanction order has been entered in the sanction order register as per GFR-39 at Sl.No.178 of the register.

16. "The Institute will maintain separate audited accounts for the project and the amount of grant will be kept in a bank account earning interest. The interest earned should be reported to DST while submitting the Statement of Expenditure/Utilization Certificate. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant".

17. It is certified that no UC is pending from the grantee in regards to the grants-in-aid released under the programme.



Sujit Banerjee  
Scientist F

To,

The Pay & Accounts Officer  
Department of Science & Technology  
New Delhi.

Copy to:

- ✓ 1. Dr. Srija Unnikrishnan  
Principal,  
Fr. Conceicao Rodrigues College of Engineering,  
Fr. Agnel Ashram, Bandstand, Bandra (West)  
Mumbai-400 050
2. Office of the Principal Director & Audit, AGCR Building, III Floor, I.P. Estate, New Delhi-110002.
3. Office of the Accountant General, Maharashtra.
4. Head (NEB)/Sanction Folder
5. Cash Section/IFD/Accounts Section



(Sujit Banerjee)  
Scientist F

ORDER

Sub: Continuation of an Innovation and Entrepreneurship Development Centre (IEDC) at Fr.Conceicao Rodrigues College of Engineering, Mumbai during 2014-15.

In continuation of this Department's sanction order of even no. dated 20/01/2014, sanction of the President is accorded for the continuation of an Innovation and Entrepreneurship Development Centre (IEDC) at Fr.Conceicao Rodrigues College of Engineering, Mumbai at a total cost of Rs.800,000/- (Rupees eight lakh only). The financial assistance to the IEDC from this Department would be available for a maximum period of five years. However, the quantum of assistance and its continuation would be on yearly basis subject to the review of the performance of IEDC by the Department.

2. Sanction of the President is also accorded for the release of grants- in- aid of Rs. 785,973/- (Rupees seven lakh eighty five thousand nine hundred seventy three only) for the 3<sup>rd</sup> year of operation of IEDC to Fr.Conceicao Rodrigues College of Engineering, Mumbai during 2014-15. Sanction of the President is also accorded to carry forward an amount of Rs. 3,345/- (Rupees three thousand three hundred forty five only) as unutilized amount from recurring grants and Rs 19,283/- (Rupees nineteen thousand two hundred eighty three only) as unutilized amount from non recurring grants.

3.Head wise break-up of the approved budget is shown below:

| Sl No | Items of expenditure   | Amount Rs |
|-------|--|-----------|
|       | Recurring  |           |
| 1     | Student projects (five Nos @ Rs 1.00 lakhs each)   | 500,000   |
| 2     | Contingencies (phone fax stationery travel and honorarium to the Co-ordinator of IEDC etc) | 300,000   |
|       | Less bank interest   | 10,682    |
|       | Less Unspent balalnce  | 3,345     |
|       | Net release  | 785,973   |

4. The host Institute would appoint a Co-ordination of IEDC immediately to oversee the operations of the IEDC on day to day basis.

5. The coordinator should undergo Faculty Development Programmes (FDP) as early as possible, which are sponsored by the Department and other agencies for developing trainers in entrepreneurship area.

*[Handwritten signature]*

|                                  |                                |
|----------------------------------|--------------------------------|
| FR. CRCE - BANDRA<br>INWARD MAIL |                                |
| Inward No.                       | 016                            |
| Date                             | 27-1-2015                      |
| Sign                             | <i>[Handwritten signature]</i> |

*[Handwritten signature]*

6. The manpower employed in the IEDC project would be co-terminus with the duration of the IEDC project and the Department(DST) . would have no liability to meet the manpower costs beyond the duration of the project (Vide Order No. A-20020/11/97 IFD dt.16.8.2002). In order to ensure this, IEDC is advised to enter into yearly contract with the persons to be employed under the project.

7. The host institution should also appoint an Advisory Board to be headed by the Principal/Head of the institution to monitor the progress of implementation of the IEDC project and its activities. This Board may advise the host Institute for raising funds from other sources for the IEDC for its activities.

8. The Drawing & Disbursing Officer, Department of Science & Technology, shall arrange to release an amount of Rs.785,973/- (Rupees seven lakh eighty five thousand nine hundred seventy three only) to Fr. Conceicao Rodrigues College of Engineering, Fr. Agnel Ashram, Bandstand, Bandra (West) Mumbai - 400 050 by means of RTGS as per the following details given below.

|                            |  |
|----------------------------|--|
| Name of the Account Holder | Fr Conceicao Rodrigues College of Engineering    |
| Name of the Bank           | Corporation bank                                 |
| Branch Address             | 105, Baitul Sharaf, Bandra (West), Mumbai 400050 |
| IFSC Code                  | CORP0000120                                      |
| Account No.                | 012000101033315                                  |
| MICR CODE                  | 400017003  |

9. The sanction of this grant is subjected to the terms and condition mentioned in the Annexure.

10. The expenditure is debitable to Demand No. 86-Department of Science & Technology (DST) for the year 2014-15 (Plan):-

- 3425 Other Scientific Research (Major Head)
- 60 Other (Sub Major Head)
- 60.200 Assistance to Other Scientific Bodies (Minor Head)
- 08 Grants-in-aid for S&T programmes for Socio-economic Development
- 08.10 Science & Technology Entrepreneurship Development activities
- 08.10.31 Grants -in -aid (General)

11. The grantee should submit a six monthly progress report of activities of IEDC to the Department.

12. The grantee will submit the Utilization Certificate and the Statement of Audited expenditure as per the enclosed format of the department after the end of the current F.Y. They may also forward the budget for the next F.Y. along with it after the approval of the competent authority/monitoring committee.

13. As per Rule 211(1) of GFRs, the accounts of all grantee institutions shall be open to inspection by the sanctioning authority audit whenever the institution is called upon to do so.

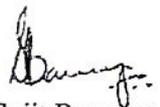
14. This issues with the approval of Integrated Finance Division, Department of Science & Technology vide their sanction no.c/5070 /IFD/2014-15 dated 14/01/15.



15. The sanction order has been entered in the sanction order register as per GFR-39 at Sl.No.153 of the register.

16. "The Institute will maintain separate audited accounts for the project and the amount of grant will be kept in a bank account earning interest. The interest earned should be reported to DST while submitting the Statement of Expenditure/Utilization Certificate. The interest thus earned will be treated as a credit to the institute to be adjusted towards further installment of the grant".

17. It is certified that no UC is pending from the grantee in regards to the grants-in-aid released under the programme.

  
Sujit Banerjee  
Scientist F

To,

The Pay & Accounts Officer  
Department of Science & Technology  
New Delhi.

Copy to:

- ✓ 1. Dr. Srija Unnikrishnan  
Principal,  
Fr. Conceicao Rodrigues College of Engineering,  
Fr. Agnel Ashram, Bandstand, Bandra (West)  
Mumbai-400 050
2. Office of the Principal Director & Audit, AGCR Building, III Floor, I.P. Estate, New Delhi-110002.
3. Office of the Accountant General, Maharashtra.
4. Head (NEB)/Sanction Folder
5. Cash Section/IFD/Accounts Section

  
(Sujit Banerjee)  
Scientist F

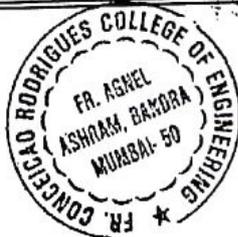
# FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING

Fr. Agnel Ashram, Bandra (West), Mumbai - 400 050

Amount paid towards Minor Research Grant received from University of Mumbai Vide  
Receipt No. 32740 dt 23/04/2019

| Sr. No. | Name                           | Ch.No. | Ch.Date    | CRCE Ch.No. | Amount in Rs. | Receiver's Signature |
|---------|--------------------------------|--------|------------|-------------|---------------|----------------------|
| 1       | Ms. Sarika Manoj Davare        | 828571 | 30/03/2019 | 290626      | 10,000.00     |                      |
| 2       | Ms. Prajakta Mandar Dhamanskar | 828571 | 30/03/2019 | 290627      | 10,000.00     |                      |
| 3       | Dr. Hemant Khanolkar           | 828727 | 30/03/2019 | 290628      | 20,000.00     |                      |
| 4       | Ms. Archana Lopes              | 828572 | 30/03/2019 | 290629      | 12,000.00     |                      |
| 5       | Mr. Vaibhav V. Godbole         | 828572 | 30/03/2019 | 290630      | 7,200.00      |                      |
| 6       | Ms. Heenakausar Yusuf Pendhari | 828572 | 30/03/2019 | 290631      | 8,000.00      |                      |
| 7       | Ms. Ashwini Amit Pansare       | 828684 | 30/03/2019 | 290632      | 10,000.00     |                      |
| TOTAL   |                                |        |            |             | 77,200.00     |                      |

CHECKED BY  
INTERNAL AUDIT



*S. P.*  
PRINCIPAL

SOCIETY OF ST. FRANCIS XAVIER PILAR'S



**Fr. CRCE**  
FR. CONCEICAO RODRIGUES  
COLLEGE OF ENGINEERING  
MOULDING ENGINEERS WHO CAN BUILD THE NATION

**BILL OF SUPPLY CUM RECEIPT**  
GSTIN: 27AABTS9182Q1ZI

Receipt No. : 32740

Date : 23/04/2019

Name : University Of Mumbai

Roll No. : 107

Course : Office

Semester :

| Fee Head       | Amount (Rs.)     |
|----------------|------------------|
| Research Grant | 77,200.00        |
| <b>Total</b>   | <b>77,200.00</b> |

*Amount in words - Rupees Seventy Seven Thousand Two Hundred Only*

Cheque : 77,200.00

Cheque No 828684 / 828572 / 828727  
Drawn on:  
828571 dt 30/03/19-Bank of Baroda-Fort UOM

Refund of Fees as per Rules



Receiver's Signature

University of Mumbai



Research Project No:201

NAME OF THE RESEARCHER : Mrs. Sarika Manoj Davare  
LECTURE IN : Information Technology  
AMOUNT SANCTIONED : Rs.25000/-

Ref No. APD/237/601of 2019  
27th March 2019

To,  
The Principal,  
Fr. Conceicao Rodrigues C.O.E. Bandra/ Information Technology  
Fr. Agnel Ashram, Bandstand, Bandra (W),  
Mumbai - 400 050

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2019.

The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31st March, 2019 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head/Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2019.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

CHECKED BY  
INTERNAL AUDIT  
SIG. :-

Yours faithfully,

*S. K. Sawant*  
Assistant Registrar  
(Academic Planning & Development)

University of Mumbai



Research Project No:202

NAME OF THE RESEARCHER : Prajakta Mandar Dhamanskar  
LECTURE IN : Information Technology  
AMOUNT SANCTIONED : Rs.25000 /-

Ref No. APD/237/6010/2019  
27th March 2019

To,  
The Principal,  
Fr. Conceicao Rodrigues C.O.E. Bandra/ Information Technology  
Fr. Agnel Ashram, Bandstand, Bandra (W),  
Mumbai - 400 050

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2019.

The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31st March, 2019 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head/Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2019.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

CHECKED BY  
INTERNAL AUDIT  
SIG. :- *[Signature]*

Yours faithfully,

*[Signature]*  
Assistant Registrar  
(Academic Planning & Development)

University of Mumbai



Research Project No:426

NAME OF THE RESEARCHER : Dr. Hemant Khanolkar  
LECTURE IN : Chemistry  
AMOUNT SANCTIONED : Rs.50000 /-

Ref No. APD/237/601 of 2019  
27th March, 2019

To,  
The Principal,  
Department of Chemistry,  
Fr. Conceicao Rodrigues College of Engineering,  
Fr. Agnel Ashram, Bandstand, Bandra (West),  
Mumbai - 400 050.

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2019.

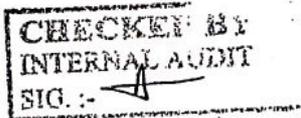
The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31st March, 2019 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head/Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2019.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.



Yours faithfully,

*Susawant*  
Assistant Registrar  
(Academic Planning & Development)

University of Mumbai



Research Project No:173

NAME OF THE RESEARCHER : Archana Lopes  
LECTURE IN : Electronics Engg.  
AMOUNT SANCTIONED : Rs.30000 /-

Ref No. APD/237/601of-2019

27th March, 2019

To,  
The Principal,  
Fr. Conceicao Rodrigues College of Engineering  
Fr. Agnel Ashram, Bandstand, Bandra (W)- 400 050

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2019.

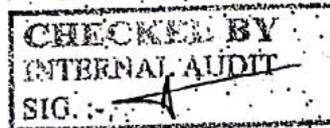
The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31st March, 2019 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head/Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2019.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.



Yours faithfully,

*Susairam*  
Assistant Registrar  
(Academic Planning & Development)

University of Mumbai



Research Project No:175

NAME OF THE RESEARCHER : Ms. Hegnalcausar Yusuf Penilhari  
LECTURE IN : Electronics Engg.  
AMOUNT SANCTIONED : Rs.20000/-

Ref No. APD/217/6010P2019

27th March, 2019

To,  
The Principal,  
Fr. Conceicao Rodrigues College of Engineering,  
Father Agnel Ashram, Bandstand, Bandra West Mumbai - 401 202.

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2019.

The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31st March, 2019 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head/Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2019.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully,

Assistant Registrar  
(Academic Planning & Development)

University of Mumbai



Research Project No:100

NAME OF THE RESEARCHER : Mrs. Ashwini Amit Pansare  
LECTURE IN : Computer Engg.  
AMOUNT SANCTIONED : Rs.25000 /-

Ref No. APD/237/601of 2019  
27th March, 2019

To,  
The Principal,  
Society of St. Francis Xavier,  
Pilar's FR. Conceicao Rodrigues College Of Engineering,  
Fr. Agnel Ashram, Bandstand,  
Bandra (W), Mumbai - 400 050.

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2019.

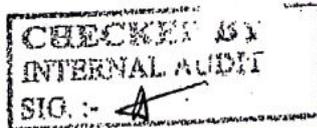
The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31st March, 2019 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head/Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2019.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.



Yours faithfully,

*Subarna*  
Assistant Registrar  
(Academic Planning & Development)

# University of Mumbai



Research Project No: 405

**NAME OF THE RESEARCHER** : Prof. Swapnali Makdey  
**LECTURE IN** : Electronics  
**AMOUNT SANCTIONED** : Rs. 30,000 /-

Ref No. APD/237/323 of 2018  
27<sup>th</sup> March, 2018

To,  
The Principal,  
Fr. Conceicao Rodrigues College of Engineering,  
Fr. Agnel Ashram, Band Stand, Bandra (West),  
Mumbai-400 050.

**Sub: - Minor Research Grant Project.**

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31<sup>st</sup> August, 2018.

The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31<sup>st</sup> March, 2018 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head/Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31<sup>st</sup> August 2018.

# University of Mumbai



Research Project No: 318

NAME OF THE RESEARCHER : Prof. Sunil Chaudhary  
LECTURE IN : Computer Engineering  
AMOUNT SANCTIONED : Rs. 30,000 /-

Ref No. APD/237/323 of 2018  
27<sup>th</sup> March, 2018

To,  
The Principal,  
Fr. Conceicao Rodrigues College of Engineering,  
Fr. Agnel Ashram, Band Stand, Bandra (West),  
Mumbai-400 050.

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31<sup>st</sup> August, 2018.

The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31<sup>st</sup> March, 2018 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head/Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31<sup>st</sup> August 2018.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully

*S. Sawant*

Assisnt Registrar

(Academic Planning & Development)

# University of Mumbai



Research Project No: 414

NAME OF THE RESEARCHER : Prof. Sangeeta Parshionikar  
LECTURE IN : Electronics  
AMOUNT SANCTIONED : Rs. 20,000/-

Ref No. APD/237/323 of 2018

27<sup>th</sup> March, 2018

To,  
The Principal,  
Fr. Conceicao Rodrigues College of Engineering,  
Fr. Agnel Ashram, Band Stand, Bandra (West),  
Mumbai-400 050.

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31<sup>st</sup> August, 2018.

The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31<sup>st</sup> March, 2018 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head/Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31<sup>st</sup> August 2018.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully

*Susawant*  
Assisnt Registrar

(Academic Planning & Development)



Research Project No. 463

NAME OF THE RESEARCHER  
LECTURE IN  
AMOUNT SANCTIONED

Dr. Yashu A. Bhat  
Production Engineering  
Rs. 30,000/-

Ref No. APD/237/3236/2018

27<sup>th</sup> March, 2018

To,  
The Principal,  
Fr. C. Rodrigues Institute of Technology,  
Sector 9A Vashi (W),  
Mumbai-400 703.

fr. Conceicao Rodrigues College of Engineering  
Father Agnel Ashram, Bandstand, Bandra (W)  
Mumbai - 400050

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31<sup>st</sup> August, 2018.

The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31<sup>st</sup> March, 2018 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/Director/Head/Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal for final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31<sup>st</sup> August 2018.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully

*S. Wadhvani*  
Assistant Registrar  
(Academic Planning & Development)

*A. S. S. S.*  
19/04/18

*Joane*  
11/4/18

# University of Mumbai



Research Project No: 317

NAME OF THE RESEARCHER : Prof. Dr. Sunil K. Surve  
LECTURE IN : Computer Engineering  
AMOUNT SANCTIONED : Rs. 46,000

Ref No. APD/237/323 of 2018  
27<sup>th</sup> March, 2018

To,  
The Principal,  
Fr. Conceicao Rodrigues College of Engineering, Fr. Agnel Ashram, Band Stand, Bandra (West),  
Mumbai-400 050.

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31<sup>st</sup> August, 2018.

The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31<sup>st</sup> March, 2018 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head/Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31<sup>st</sup> August 2018.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully

*S. Sawant*  
Assitant Registrar  
(Academic Planning & Development)

University of Mumbai

NAME OF THE RESEARCHER: Ms. Dipali Koshati Research Project No: 548  
LECTURE IN Computer  
AMOUNT SANCTIONED: Rs. 25000/-

Ref No. APD/237/429 of 2017

16 January, 2017

To,  
The Principal,

Fr. Conceicao Rodrigues College,  
Bandra (W),  
Mumbai - 400 050

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum Dipali Koshati, I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50% of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS Form (copy enclosed) from the researcher.

The researcher is expected to spend 50% amount initially from his/her own resources to carry out the work. **Please note that 50% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original on or before 31<sup>st</sup> March, 2017 failing of which the advance amount granted will be recovered from researcher which please note.**

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31<sup>st</sup> March, 2017 and submit original bills/vouchers of the expenditure along with Utilization Certificate (copy enclosed) duly certified by the Principal /Director /Head /Institute /University Department/College, to the A.P.D. Section, after verification through the Accounts Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31<sup>st</sup> July, 2017.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking along with RTGS Form immediately to enable this office to release first instalment of the research grant, accordingly.

  
PRINCIPAL



Yours faithfully,

  
For REGISTRAR

University of Mumbai

Research Project No: 549  
NAME OF THE RESEARCHER: Ms. Mahendra Mehra  
LECTURE IN Computer Engg.  
AMOUNT SANCTIONED: Rs. 27000/-

RefNo. APD/237/429 of 2017  
16 January, 2017

To,  
The Principal,  
Fr. Conceicao Rodrigues College  
Bandra (W),  
Mumbai-50

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum Mahendra Mehra, I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50% of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS Form (copy enclosed) from the researcher.

The researcher is expected to spend 50% amount initially from his/her own resources to carry out the work. Please note that 50% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original on or before 31<sup>st</sup> March, 2017 failing of which the advance amount granted will be recovered from researcher which please note.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31<sup>st</sup> March, 2017 and submit original bills/vouchers of the expenditure along with Utilization Certificate (copy enclosed) duly certified by the Principal /Director /Head /Institute /University Department/College, to the A.P.D. Section, after verification through the Accounts Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31<sup>st</sup> July, 2017.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking along with RTGS Form immediately to enable this office to release first instalment of the research grant, accordingly.



*S. J.*  
PRINCIPAL

Yours faithfully,

*[Signature]*  
For REGISTRAR



SOCIETY OF ST. FRANCIS XAVIER, PILAR'S  
**FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING**

(Approved by AICTE & Affiliated to University of Mumbai)

Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050.

Phone : (022) 6711 4000, 6711 4101, 6711 4104 • Fax : 6711 4100

Website : www.frcrce.ac.in • Email : crce@fragnel.edu.in

**UNDERTAKING TO BE SUBMITTED BY THE RESEARCHER**

The Registrar,  
University of Mumbai,  
Fort, Mumbai-400 032.

**Subject-University Research Grant for the year 2016-17**

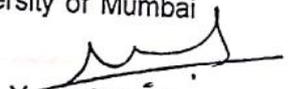
Sir,

With reference to the subject mentioned above, I have to inform you that I am a permanent teacher of Fr. Conceicao Rodrigues College.

I am submitting my undertaking as under:

1. I shall utilize the entire research grant (Rs. 20,000 / —) on my research project, which is sanctioned by the University.
2. I shall utilize 50% amount of the research grant initially from my own resources.
3. I shall submit to the University my statement of expenditure to the extent of entire research grant before 31<sup>st</sup> March, 2017 along with original vouchers/bills, which will be duly sanctioned by the Principal/Director/Head of my College/Institute/University Department.
4. I shall not utilize the grant for purchase of any equipments or costly equipment such as Refrigerator, Computer/Laptop, Printer, Camera, Tape Recorder etc.
5. I shall not engage research assistant for my research work and incur expenditure on research assistant.
6. I shall return to my College/Institute/University Department, all the un-used consumable or non-consumable items purchased for my research work.
7. I also agree that the equipments/chemicals etc. purchased for my research work shall not be claimed by me as my personal property.
8. I shall submit report of my research work to the Experts Committee in July, 2017 and present my research work (Oral/Poster Presentation) as and when decided by the University.
9. I hereby declared that the above mentioned project has not been submitted by me for any other funding agency.
10. I further state that I did not receive Minor Research Grants From the University of Mumbai during the Financial Years 2014-2015 and 2015-16.

Thanking you,

  
Yours faithfully,

Signature of Research Teacher

Research Project Number.....550

Name of Researcher-

Supriya Kamaji

Residential address and

opposite

601, Om Adinath Apartment  
Megamart, Ramchandra Nagar

Mobile/No. Of Researcher-

Thanecew,  
9920287455

Forwarded for necessary action through the Principal of College of Head/Director Of University Department.

  
Dr. Srija Unnikrishnan  
(Principal)



University of Mumbai

Research Project No: 478

NAME OF THE RESEARCHER: Mrs. Harima Tripathi

LECTURE IN I.T.

AMOUNT SANCTIONED: Rs. 20,000/-

Ref No. APD/237/ of 2017

January, 2017

To,

The Principal,

Fr. C. Rodrigues College of Engg.  
Bandra  
Mumbai

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum Harima Tripathi, I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50% of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS Form (copy enclosed) from the researcher.

The researcher is expected to spend 50% amount initially from his/her own resources to carry out the work. **Please note that 50% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original on or before 31<sup>st</sup> March, 2017 failing of which the advance amount granted will be recovered from researcher which please note.**

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31<sup>st</sup> March, 2017 and submit original bills/vouchers of the expenditure along with Utilization Certificate (copy enclosed) duly certified by the Principal /Director /Head /Institute /University Department/College, to the A.P.D. Section, after verification through the Accounts Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31<sup>st</sup> July, 2017.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking along with RTGS Form immediately to enable this office to release first instalment of the research grant, accordingly.



S.P.  
PRINCIPAL

Yours faithfully,

[Signature]  
For REGISTRAR



SOCIETY OF ST. FRANCIS KANDIVALI  
**FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING**  
 (Approved by AICTE & Affiliated to University of Mumbai)

Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050.  
 Phone (022) 6711 4000 6711 4101 6711 4104 • Fax 6711 4100  
 Website www.frcece.ac.in • Email frcece@fragnel.edu.in

**UNDERTAKING TO BE SUBMITTED BY THE RESEARCHER**

The Registrar,  
 University of Mumbai,  
 Fort, Mumbai-400 032

Subject-University Research Grant for the year 2016-17

Sir,

With reference to the subject mentioned above, I have to inform you that I am a permanent teacher of FR. CONCEICAO RODRIGUES COE College

I am submitting my undertaking as under:

1. I shall utilize the entire research grant (Rs 20,000/-) on my research project, which is sanctioned by the University.
2. I shall utilize 50% amount of the research grant initially from my own resources
3. I shall submit to the University my statement of expenditure to the extent of entire research grant before 31<sup>st</sup> March, 2017 along with original vouchers/bills, which will be duly sanctioned by the Principal/Director/Head of my College/Institute/University Department.
4. I shall not utilize the grant for purchase of any equipments or costly equipment such as Refrigerator, Computer/Laptop, Printer, Camera, Tape Recorder etc
5. I shall not engage research assistant for my research work and incur expenditure on research assistant.
6. I shall return to my College/Institute/University Department, all the un-used consumable or non-consumable items purchased for my research work
7. I also agree that the equipments/chemicals etc purchased for my research work shall not be claimed by me as my personal property.
8. I shall submit report of my research work to the Experts Committee in July, 2017 and present my research work (Oral/Poster Presentation) as and when decided by the University.
9. I hereby declared that the above mentioned project has not been submitted by me for any other funding agency.
10. I further state that I did not receive Minor Research Grants From the University of Mumbai during the Financial Years 2014-2015 and 2015-16.

Thanking you,

Yours faithfully,

Signature of Research Teacher

Research Project Number

479

Name of Researcher- JAY L. BORADE

Residential address and :- ROOM NO B-9, SOCIETY NO 862,  
 CHARKOP KANDIVALI (W), MUMBAI-67

Mobile/No. Of Researcher- 8108742762

Forwarded for necessary action through the Principal of College of Head/Director Of University Department.

Dr Srijal Unnikrishnan  
 (Principal)





SOCIETY OF ST. FRANCIS XAVIER, PILAR'S  
**FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING**

(Approved by AICTE & Affiliated to University of Mumbai)

Fr. Agnel Ashram, Bandstand, Bandra (W), Mumbai - 400 050.

Phone : (022) 6711 4000, 6711 4101, 6711 4104 • Fax : 6711 4100

Website : www.frcrce.ac.in • Email : crce@fragnel.edu.in

**UNDERTAKING TO BE SUBMITTED BY THE RESEARCHER**

The Registrar,  
University of Mumbai,  
Fort, Mumbai-400 032.

**Subject-University Research Grant for the year 2016-17**

Sir,

With reference to the subject mentioned above, I have to inform you that I am a permanent teacher of Fr. C. Rodrigues College of Engg. College.

I am submitting my undertaking as under:

1. I shall utilize the entire research grant (Rs. 30,000/-) on my research project, which is sanctioned by the University.
2. I shall utilize 50% amount of the research grant initially from my own resources.
3. I shall submit to the University my statement of expenditure to the extent of entire research grant before 31<sup>st</sup> March, 2017 along with original vouchers/bills, which will be duly sanctioned by the Principal/Director/Head of my College/Institute/University Department.
4. I shall not utilize the grant for purchase of any equipments or costly equipment such as Refrigerator, Computer/Laptop, Printer, Camera, Tape Recorder etc.
5. I shall not engage research assistant for my research work and incur expenditure on research assistant.
6. I shall return to my College/Institute/University Department, all the un-used consumable or non-consumable items purchased for my research work.
7. I also agree that the equipments/chemicals etc. purchased for my research work shall not be claimed by me as my personal property.
8. I shall submit report of my research work to the Experts Committee in July, 2017 and present my research work (Oral/Poster Presentation) as and when decided by the University.
9. I hereby declared that the above mentioned project has not been submitted by me for any other funding agency.
10. I further state that I did not receive Minor Research Grants From the University of Mumbai during the Financial Years 2014-2015 and 2015-16.

Thanking you,

Yours faithfully,

Signature of Research Teacher

Research Project Number 435

Name of Researcher- Dileep Chandra. C

Residential address and 202, Elitra E, Casa bella Gold, Patava Kalyan - Shil Road, Dombivli (E), Thane, Maharashtra.

Mobile/No. Of Researcher- 9969805688

Forwarded for necessary action through the Principal of College of Head/Director Of University Department.

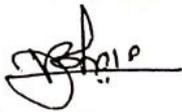


Dr. Srija Unnikrishnan

Date - 24/03/2017

## RESEARCH GRANT UTILIZATION CERTIFICATE

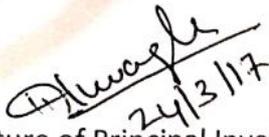
It is certified that the principle investigator (PI) Prof.Kranti K.Wagle, of Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, has completely utilized the sum of Rs.30000/ (Rs. Thirty Thousand only) for which it was sanctioned by Mumbai University, under the scheme MINOR RESEARCH GRANT project entitled Power Prediction and its Effective Utilization in a Green Classroom vide letter no. APD/237/434 of 2017 dated Jan, 2017. The 50% amount (Rs.15,000/-) was given by Mumbai University and the remaining 50% (Rs.17,058/-) amount, the principle investigator has spent from her pocket.



Signature of H.O.D



Signature of Principal



Signature of Principal Investigator



## RESEARCH GRANT UTILIZATION CERTIFICATE

It is certified that the principal investigator (PI) Prof.Sapna Prabhu, of Fr. Conceicao Rodrigues College of Engineering, Bandra, Mumbai, has completely utilized the sum of Rs.30000/ (Rs. Thirty Thousand only) for which it was sanctioned by Mumbai University, under the scheme MINOR RESEARCH GRANT project entitled Caretaker Robot for the Elderly vide letter no. APD/237/433 of 2017 dated Jan, 2017. The 50% amount (Rs.15,000/-) was given by Mumbai University and the remaining 50% (Rs.18,989/-) amount, the principal investigator has spent from his pocket.



Signature of H.O.D

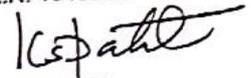


Signature of Principal



Signature of Principal Investigator

For CHHOTALAL H. SHAH & CO.  
CHARTERED ACCOUNTANTS  
F.R.N. 101828W



PARTNER  
KETAN S. PATEL  
CHARTERED ACCOUNTANT.  
MEMBERSHIP NO. 42853

29 MAR 2017

