



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

3.2- Innovation Ecosystem

3.2.1: Institution has created an ecosystem for innovations including Incubation center and other initiatives for creation and transfer of knowledge

INDEX

Sr. No.	Contents	Page No.
1	Grants from various funding agencies and awards.	2-17
2	VESIT-IIC established and receipt of IIC Establishment Certificate from AICTE and MHRD in 2018	18
3	Inauguration of VESIT-Aditya Jyot Eye Innovation Center and MoU signed	19
4	VESIT-IIC Awarded 4.5 Star Certificate	20
5	Certificate of ARIIA Ranking 2020	21
6	AICTE sponsored STTPs and ATAL FDPs	22-25
7	Patent Granted	26



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)



Government of India
Department of Atomic Energy (DAE)
Board of Research in Nuclear Sciences (BRNS)

BRNS Secretariat, 316/C,
3rd Floor, BARC,
Trombay, Mumbai-400085

No: 51/14/07/2019-BRNS/ 36083

Date: 10/07/2019

OFFICE MEMORANDUM

Sub: R/P entitled "Development of Methodology for Indian Evaluated Nuclear Data Library for applications in S & T" under Dr.(Mrs.) Jayalekshmi M Nair, Principal, V.E.S. Institute of Technology, MUMBAI, Maharashtra, 400074. bearing sanction 51/14/07/2019-BRNS with NPP, BRNS.

On the recommendations of the Board of Research in Nuclear Sciences (BRNS), I am pleased to convey the administrative approval and sanction of the President of India for the captioned project for 3 years beginning from financial year 2019-2020 with a total grant of Rs. 17,81,276/- (Rupees seventeen lakh eighty one thousand two hundred seventy six only) for the project as under :

Item of expenditure	Year 1 (2019-2020)	Year 2 (2020-2021)	Year 3 (2021-2022)
Equipments	44500	0	0
Staff Salary - JRF (1)	372000	372000	420000
Technical Assistance	30000	30000	30000
Consumables	20000	20000	20000
Travel - PI	20000	20000	20000
Contingencies	50000	50000	50000
Overheads	36488	33150	36750
Total(INR)	572988	525150	576750

Note: * Opti 5050 MT intel i5

JRF salary calculated @31,000/- p.m. for first two years and on re-designation by committee on in third year as SRF @ 35000/- p.m. vide OM no. 10/1(21)/2014/Fellowship/R&D-II/5739 dated 03/05/2019.

Please note that as per the government orders under Direct Benefit Transfer (DBT)scheme, the staff salary has to be transferred to his/her bank account. Accordingly, Aadhar Number(UID) of the appointed staff, Bank Account details and the Mobile number linked to the bank account should be obtained and it should be intimated to this office.

Overheads is calculated @ 7.5% of all other heads except contingency. The remaining 7.5% overheads i.e. (Rs. 1,06,388/-) shall be released only on meeting the requirements specified (See Annex-B).

- I am also pleased to convey the sanction of the President of India to incur an expenditure of Rs. 5,72,988/- (Rupees five lakh seventy two thousand nine hundred eighty eight only) towards grant for the year 2019-2020.
- The expenditure involved is debit to: 04 3401 00 004 27 0231.
- This is issued with the concurrence of the competent authority in the Department.

Pay & Accounts Officer,
DAE, Mumbai - 400 001.

Ashok K. Barandale
22.7.2019
Ashok K. Barandale,
Programme Officer,
Board of Research in Nuclear Sciences,
Department of Atomic Energy,
BRNS Secretariat, 3rd Floor, CFB
B.A.R.C., Trombay, Mumbai - 400085

Grant from BRNS



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)



महाराष्ट्र MAHARASHTRA

2020

BA 301126



MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding ("MOU") is made at Mumbai on this ____ day of December 2020;

BETWEEN

Star Union Dai-ichi Life Insurance Co. Ltd., a Company incorporated under the Companies Act, 1956 having its registered office at 11th Floor, Vishwaroop IT Park, Plot No. 34, 35 & 38, Sector – 30A, Opp. Vashi Railway Station, Vashi, Navi Mumbai – 400703 India, (hereinafter referred to as "SUD Life" which expression shall unless repugnant to the meaning or context thereof also mean and include its successors and assigns) of ONE PART;

AND



Project- Swechchha and MoU



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)



© 2020 ©

WY 704881



Department of Information Technology at Vivekanand Education Society's Institute of Technology's (VESIT-IT), affiliated to University of Mumbai, approved by AICTE and recognized by Government of Maharashtra, located at Hashu Advani Memorial Complex, Collector's colony, Chembur, Mumbai – 400 074, an institute established in 1984 by Vivekanand Education Society (hereinafter referred to as "VESIT-IT" which expression shall unless be repugnant to context or meaning thereof, shall be deemed to mean its successors and permitted assigns) of the **SECOND PART**.

SUD Life and VESIT-IT shall individually be referred as 'Party' and collectively as 'Parties'

WHEREAS SUD Life is a Public Trust sponsored by Star Union Dai-Chi Life Insurance Company Ltd. ("SUD Life") for the purpose of carrying out its Corporate Social Responsibilities (CSR) activities through SUD Life.



Project- Swechchha and MoU



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

Annexure 2

Swechcha Project shall include the scope of services of VESIT-IT as specifically mention in the MOU executed between Municipal corporation of Greater Mumbai & Vivekanand Education Society's Institute of Technology and also captured in below table:

Sr. No.	Item	Category	Recurring	Unit Cost	Unit Count (INR)	Total Cost for 2 years	Remarks
1	Development Cost (for first version): 5 Faculties investing approx 200 Hours	Development	No	1,000	200	2,00,000	
2	Workshops: Training to M(E) ward approx 800 people in slots of 50 each. including Hospitality	Training	Yes	16	10000	1,60,000	Approx 1000 CTs & 1000 PTs Training for 2 person per CT/PT Training for 4000 persons in 3 years Slot of 100 persons, so 40 sessions (slots)
3	Computers for Data Back Up, Development and Testing the services.	Infrastructure	No	75,000	2	1,50,000	
4	Data Centre Dedicated Server Room in VESIT (Cost of Furnishing, Electrical Fittings, ACs)	Infrastructure	No	1,00,000	1	1,00,000	
5	Dedicated Server Room in VESIT (Networking: Equipment, Cabling and fitting)	Infrastructure	No	50,000	1	50,000	
6	Surveys	Development	Yes	50,000	1	50,000	
7	Dedicated Server hosted at a Leading Hosting Service Provider (Charge for 1 Year)	Deployment	Yes	1,00,000	2	2,00,000	
8	Support: 3 Faculties investing approx 200 Hours after Development	Support	Yes	800	200	1,60,000	
9	Internet charges for Server Room Per year cost, Sharing Basis	Infrastructure	Yes	30,000	1	30,000	
10	Project Staff Charges	Development and Training	Yes	50,000	24	12,00,000	
11	Miscellaneous	-	-	-	-	1,00,000	

Total

24,00,000



Project Swechcha



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

भारतीय अन्तरिक्ष अनुसंधान संगठन
अन्तरिक्ष विभाग
भारत सरकार
अन्तरिक्ष भवन
न्यू बी ई एल रोड, बेंगलूर - 560 231, भारत
दूरभाष : +91 80 2341 5474
फैक्स :



Indian Space Research Organisation
Department of Space
Government of India
Antariksh Bhavan
New BEL Road, Bangalore - 560 231, India
Telephone : +91 80 2341 5474
Fax :

Dr. S. Seetha
Programme Director, SSPO

Telephone: 080-23416271/22172074
Fax: 080 - 23419190
E-mail: seetha@isro.gov.in

ISRO/SSPO/MOM-AO/2016-17

August 8, 2016

Dear Mr. Abhijit Sharad Shete,

Subject: Research proposal under Mars Orbiter Mission – Announcement of opportunity – release of fund - reg.

This has reference to your submission of the research proposal "**Martian landform segmentation based on structural similarity**" for funding under Mars Orbiter Mission Announcement of Opportunity (MOM-AO). The domain experts in Department of Space have reviewed the proposal. I wish to inform you that, Chairman, ISRO/Secretary, DOS has approved the following:

1. Funding of the project under MOM-AO for a period of 3 years at a total outlay of ₹ 3,08,000 (Rupees Three Lakhs Eight Thousand Twenty only) towards meeting the expenditure of the project (budget details enclosed).
2. Release of grant of ₹ 1,10,000 (Rupees One Lakh Ten thousand only) towards meeting the first year expenditure of the project.

The approval is subject to fulfillment of the following:

- (a) You will have to submit Annual Progress Report (APR), at the end of the year, indicating the progress of the work accomplished during the first year (to enable renewal of the project for second year). One copy of report should be sent to Shri Satadru Bhattacharya, MOM-AO Coordinator, Planetary Sciences Division, BPSG/EPISA, Space Applications Centre, Jodhpur-Tekra, Ambawadi Vistar P.O.Ahmedabad-380 015, India and two copies to the undersigned.
- (b) You will have to submit two copies of the Fund Utilization Certificate (FUC) and Audited Accounts Statement (AAS) on completion of the **first** year of the project (to enable renewal of the project for **second** year). **The FUC and AAS** should be sent to the (i) Pay & Accounts Officer, Department of Space, Antariksh Bhavan, New BEL Road, Bengaluru 560 231 with a copy to Shri Satadru Bhattacharya, MOM-AO Coordinator, Planetary Sciences Division, BPSG/EPISA, Space Applications Centre, Jodhpur-Tekra, Ambawadi Vistar P.O.Ahmedabad-380 015, and to the undersigned.
- (c) In addition, on conclusion of the project, you will have to send a comprehensive report covering total project activities and final fund utilization certificate.

Grant from ISRO



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

भारत सरकार
अन्तरिक्ष विभाग
अन्तरिक्ष भवन, न्यू बी ई एल रोड
बंगलूर - 560 231, भारत
दूरभाष : 080 - 2217 2253/2217 2255
फैक्स : 080 - 2341 6770



GOVERNMENT OF INDIA
DEPARTMENT OF SPACE
Antariksh Bhavan, New BEL Road
Bangalore - 560 231, India.
Telephone :080 - 2217 2253 / 2217 2255
Grams : Space Fax : 080 - 2341 6770

No. DOS/PAO/GIA/2016-2017/18/344

Date:06/10/2016

Principal,
VES Institute of Technology,
Collectors Colony Road,
Chembur, Mumbai

Sir,

Sub :- Credit of Rs. **1,10,000/-** to your A/c No. **0229201006042** through
EFT on **01/10/2016**, vide Bank UTR No. **SBIN616275163777**, SSO
-reg

With reference to Departments Sanction Order No. B. 19013/9/2016-Sec.2 dated 10/08/2016 the grant amount of Rs. **1,10,000/-** (Rupees One lakh Ten Thousand Only) has been credited to A/c No. **0229201006042** of Canara Bank of India, Chembur Sindhi Society branch, on 01/10/2016 to meet grant for the project entitled "**Martian landform segmentation based on structural similarity**" during 1st year of the project.

You are requested to acknowledge immediately through FAX/e-mail followed by post. Please ignore if already acknowledged.

FAX : 080 - 2341 6770
e-mail : pr.aospace@isro.gov.in

You are further requested to submit Audited Statement of Accounts (Receipts & Payments) together with Fund Utilisation Certificate (format enclosed) within 12 months of the closure of the Financial year of support to the undersigned to close the advance payment in our Books of Account.

Thanking you,

Encl : FUC format.

Yours sincerely,


(Subrat Bose)

Pay & Accounts Officer

Copy to:- 1. The Programme Director, SSO, ISRO Hq., Bengaluru.

2. Shri. Abhijit Shete, Assistant Profesesor, VES institute of Technology,
Collectors Colony Road, Chembur, Mumbai.

Grant from ISRO



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)



Lekshmi Nair <leksha.alternate@gmail.com>

Submission Received for स्वदेशी Microprocessor Challenge - Innovate Solutions for #आत्मनिर्भर भारत

1 message

MyGov Team <no-reply@mygov.in>
To: leksha.alternate@gmail.com

Mon, Sep 7, 2020 at 10:41 PM

Dear Lekshmi Ajesh Kaimal,

Congratulations !!

You have successfully registered for स्वदेशी Microprocessor Challenge - Innovate Solutions for #आत्मनिर्भर भारत with
Registration ID: 8820933

The registered Team has the following members:

Team Lead : Lekshmi Ajesh Kaimal
Member 1 : Gopalakrishnan Narayanan
Faculty 1 : Prakash P Vaidya

Please STAY TUNED for further instructions on next steps on or before 31st August 2020 on
<https://innovate.mygov.in/>

Regards,
Hardware Challenge and MyGov Team

Swadeshi Microprocessor Challenge



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

स्वदेशी MICROPROCESSOR CHALLENGE LIST OF 100 SEMI-FINALISTS

Sl No	Registration Number	Name	Project Title	Category	Organization Type	Professor Type	IPGA Board Type
1	795363	NVIR LOGIC SYSTEM	"Nanoc" router using "Swadeshi Microprocessor"	Team	Start-ups	SHAKTI Vajra (CSA-A100)	Artix7-100T
2	796243	Tushar Bhattacharya	TireD - Smart Health Solution for Your Tyre	Team	Start-ups	SHAKTI Pivaka (ES2-A30)	Artix7-35T
3	815463	Sangeeta Dnyaneshwar Patilkar	Design and development of SpeechProcessor for Biomedical Applications	Team	Educational Institutes	SHAKTI Parashu (ES2-A30)	Artix7-100T
4	824522	Goparathu Subramanian	Conveyor's Smart Vehicle System (SVS)	Team	Start-ups	SHAKTI Vajra (CSA-A100)	Artix7-100T
5	824623	Jayashrinani A.V.	FM SGL SGL100	Team	Start-ups	SHAKTI Pivaka (ES2-A30)	Artix7-35T
6	876103	Jayaram	DESIGN AND DEVELOPMENT OF SMART INDOOR AIR QUALITY MONITOR - "SMART IQAM"	Team	Educational Institutes	SHAKTI Pivaka (ES2-A30)	Artix7-35T
7	878213	Ashut Mahan	AutoMaggi	Individual	Start-ups	VEGA A33061	Artix7-100T
8	878203	Smrithi Krishnakumar	Electronic Scribe for Visually Impaired	Team	Educational Institutes	VEGA A33061	Artix7-100T
9	878421	Pranav Srivastava M	Project Ushashtulsi - enabling Ultra Wide Band everywhere	Individual	Other	SHAKTI Vajra (CSA-A100)	Artix7-100T
10	879303	Vignesh Durai	RISC Controller	Team	Start-ups	SHAKTI Pivaka (ES2-A30)	Artix7-35T
11	879573	Arunesh Prasad V	Secure Alert System	Team	Educational Institutes	SHAKTI Vajra (CSA-A100)	Artix7-100T
12	879913	Sharan Srivastava	Software Defined Ground Penetrating Radar	Team	Other	SHAKTI Vajra (CSA-A100)	Artix7-100T
13	879967	aravind humanurath	Vital Signs Monitor based on Internet of Medical Things	Team	Other	SHAKTI Parashu (ES2-A30)	Artix7-100T
14	880043	Parth Sharma	INDURO - Indigenous Host-Supervised Modular IoT Development Platform	Team	Start-ups	VEGA ET3031	Artix7-35T
15	880133	Prasad Phadke	Electrochemical Workstation for Scientific Research and Teaching	Individual	Other	VEGA ET3031	Artix7-35T
16	880183	Ani Sam Varughese	Fault Tolerant Reliable Integrated Autistics System for Drones	Team	Start-ups	VEGA A33061	Artix7-100T
17	880223	Sakshat Rao	Smart Road Traffic Monitoring and Control System	Team	Educational Institutes	VEGA A33061	Artix7-100T
18	880743	Anur Ashok	NAVIC-GNSS based processor SoC for Emerging Navigation Solutions	Team	Other	SHAKTI Parashu (ES2-A30)	Artix7-100T
19	880763	Dipankar Ghosh	DIDA: Digital Information for Diagnostics and Analysis as applied to electrical and electronic circuits of automobile vehicles	Team	Start-ups	SHAKTI Parashu (ES2-A30)	Artix7-100T
20	880763	Subhaji Sinha	IoT and AI Enabled Smart Farm Automation (Hydroponics and Vertical Farming)	Team	Start-ups	SHAKTI Pivaka (ES2-A30)	Artix7-35T
21	880803	Rashit Dutt	IoT oriented Battery Management System for real-time and accurate Battery State and Health Monitoring targeting renewable energy applications	Team	Educational Institutes	SHAKTI Vajra (CSA-A100)	Artix7-100T
22	880823	Robin Kinnath Thomas	Rehabilitation Assist with Motion transferring Mechanism	Individual	Start-ups	VEGA A33061	Artix7-35T
23	880863	ANUSHA GHOSH	MARIA (Multiple Applications Robotic Intelligent Assistant): A Service cum Security Robot	Individual	Educational Institutes	SHAKTI Vajra (CSA-A100)	Artix7-100T
24	880883	Ashut M	IoT Based Grain Storage Monitoring and AI based Grain Spoilage Control System	Team	Start-ups	SHAKTI Pivaka (ES2-A30)	Artix7-35T
25	881043	vishnu r nair	Real-time Predictive Condition Monitoring System for Ball Mills Used in Cement Manufacturing Industries	Individual	Other	SHAKTI Vajra (CSA-A100)	Artix7-100T
26	881243	Rudri Pandya	IoT based STP with Remote Water Quality Monitoring Using Data Science and Machine Learning with Wireless Communication Methods between nearby Nodes	Team	Educational Institutes	VEGA A33061	Artix7-100T
27	881253	Satyendra Gupta	An IoT device for rapid in-situ agricultural soil testing	Team	Start-ups	VEGA ET3031	Artix7-35T
28	881373	Krunal Rajendra Bhongade	Automatic Tracking System for Concentrated Reflectors and Photovoltaic Array	Team	Other	VEGA ET3031	Artix7-35T
29	881453	Bhaskar	Superano Real-time Processing Station	Team	Start-ups	SHAKTI Vajra (CSA-A100)	Artix7-100T
30	881523	Prashant Thakur	Multiple UAV for surveillance and small cargo delivery	Individual	Other	SHAKTI Pivaka (ES2-A30)	Artix7-35T
31	881623	Dhruv Shah	FPGA accelerated remote vital status monitoring device	Team	Educational Institutes	SHAKTI Vajra (CSA-A100)	Artix7-100T
32	881653	Ching Chien	Plant Monitoring System	Team	Educational Institutes	VEGA A33061	Artix7-100T
33	881783	KEERTHIPRAKASAM J	"TODD'S APPRENTICE"	Team	Start-ups	VEGA ET3031	Artix7-35T
34	881783	Ayush Bhambhani	IoT BASED SMART GLOVES WHEELCHAIR	Team	Educational Institutes	VEGA A33061	Artix7-100T
35	881793	Nair Sudhakar Shivakumar	A Smart Footwear & Insole System for Preventing Diabetic Foot Ulcer & Support Monitoring Progression of Diabetic Neuropathy	Team	Start-ups	VEGA ET3031	Artix7-35T
36	881833	Dr Manish Gupta	Audio Compression Algorithms and Hardware for Lecture Compression and Audio Conference	Individual	Other	VEGA A33061	Artix7-100T
37	882013	Yashika Sandeep Kumar Reddy	"Sensor fusion-based drivability and vehicle performance enhancer"	Team	Educational Institutes	SHAKTI Vajra (CSA-A100)	Artix7-100T
38	882043	Venuka Jaiswal	TECHNO AGRI LAND-MOVER (FOR MICRO AND SMALL FARMERS FIELD OPERATIONS)	Team	Educational Institutes	SHAKTI Parashu (ES2-A30)	Artix7-100T
39	882093	Sakshita Aggarwal	High resolution Multi-channel Analyser for nuclear spectroscopy applications	Team	Educational Institutes	SHAKTI Pivaka (ES2-A30)	Artix7-35T
40	882123	Kartika & Bhav	Autonomous Robot Controller (ARC)	Team	Educational Institutes	SHAKTI Vajra (CSA-A100)	Artix7-100T
41	882683	Aji Singh	AnteGuard - an industrial automation solution	Team	Start-ups	SHAKTI Vajra (CSA-A100)	Artix7-100T
42	882883	Toms Jy Varughese	Emerging Technologies	Team	Educational Institutes	SHAKTI Pivaka (ES2-A30)	Artix7-35T
43	883013	Daksh Shinde	IoT/Cloud based Technology - Use IoT/Cloud technology to implement SMART BUILDING technology	Team	Educational Institutes	VEGA ET3031	Artix7-35T
44	884003	Sreeshanth Nayak	Affordable and accessible healthcare solutions	Individual	Other	VEGA ET3031	Artix7-35T
45	884013	Manish Harishchandra Tondale	"Artificial Intelligence (AI) Glasses for Chef and Dental Practice"	Team	Educational Institutes	SHAKTI Vajra (CSA-A100)	Artix7-100T
46	884123	Darshan C Garji	Bring Deep learning and Computer vision capabilities to Shakti Vajra SoC by adding Neural processing engine, MIP-C32 interface and video processing pipeline	Team	Start-ups	SHAKTI Vajra (CSA-A100)	Digilent - Nexys Video Series - Artix-7 K7C700T
47	884213	Tapan S Shah	Non-invasive Measurement of Blood Sugar (NBMSU)	Team	Other	SHAKTI Parashu (ES2-A30)	Artix7-100T
48	884733	Ashish Bansal	Energy Beamforming for Wireless Information and Power Transfer using Shakti processor for IoT Applications	Team	Educational Institutes	SHAKTI Vajra (CSA-A100)	Artix7-100T
49	884973	Shubham Kamthania	Survive-Use a portable low streaming device	Team	Start-ups	SHAKTI Vajra (CSA-A100)	Artix7-100T
50	884363	Akash Babu	Micro Low Power Management System using IoT & Machine Learning	Team	Educational Institutes	SHAKTI Parashu (ES2-A30)	Artix7-100T
51	884483	Dhyan Srivastava	BATTERY-O-MATIC	Team	Educational Institutes	SHAKTI Parashu (ES2-A30)	Artix7-100T
52	884523	Amogh T.S.	AgriNet	Team	Educational Institutes	VEGA A33061	Artix7-100T
53	884723	Kishore B	IoT/ IoT based technologies: GPS Based Public Address & Passenger Information System	Individual	Start-ups	SHAKTI Vajra (CSA-A100)	Artix7-100T
54	884917	Aditya Nirmala	Industrial Automation using smart Automatic Storage and Retrieval System	Team	Educational Institutes	SHAKTI Pivaka (ES2-A30)	Artix7-35T
55	885183	Nikhil Singh	Polysyn: An Indigenous Secure On-board Computing Environment for Unmanned Aerial Vehicles	Team	Other	Shakti Vajra (CSA-A300)	Artix7-100T
56	885193	Kumarasamy V	Implementing Industrial IoT and Industry 4.0 solutions faster and efficiently using a universal data acquisition solution	Team	Start-ups	SHAKTI Parashu (ES2-A30)	Artix7-100T
57	885203	Bharatdeep Hazra	SMART Plug II: Plug Device for Electric Vehicles	Team	Other	VEGA ET3031	Artix7-35T
58	885243	Parvath Choudhary	UAV Object Delivery	Team	Educational Institutes	VEGA A33061	Artix7-100T
59	885283	Dr Suresh Dalviya	Shakti microprocessor based IoT devices and infrastructure for e-vehicle charging stations	Individual	Start-ups	SHAKTI Pivaka (ES2-A30)	Artix7-35T
60	885473	Harpreet Singh	/HomeGate: AI home solution for monitoring infections and internal bleeding in chemotherapy patients	Team	Other	SHAKTI Vajra (CSA-A100)	Artix7-100T
61	885473	Vishwanath Patel	IoT Based Automated Medicine Dispensing Machine	Team	Educational Institutes	SHAKTI Parashu (ES2-A30)	Artix7-100T
62	885473	Venkat Bokka	IoT based low cost 12 lead precision ECG instrument	Team	Other	VEGA ET3031	Artix7-35T
63	885473	HARITA Gupta	Automatic Water Quality Monitoring for Consumers and Enterprises	Team	Start-ups	SHAKTI Pivaka (ES2-A30)	Artix7-35T
64	885783	Praveen B	Super Automated Test Bench	Team	Educational Institutes	VEGA ET3031	Artix7-35T
65	885783	Ankur Jain	A Industry 4.0 Platform with integrated AI & Industrial IoT, Solving the problem of Authentication of Quality, Quantity & Traceability in Distributed Food, Agri & Farm Manufacturing & Supply Chain	Individual	Start-ups	VEGA A33061	Artix7-100T



MINISTRY OF
ELECTRONICS &
INFORMATION TECHNOLOGY
GOVERNMENT OF INDIA



Swadeshi Microprocessor Challenge



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

स्वदेशी
MICROPROCESSOR

CHALLENGE LIST OF 100 SEMI-FINALISTS

Sl No	Registration Number	Name	Project Title	Category	Organization Type	Processor Type	FPMA Board Type
66	8856213	Akshay Kishore	Emergency Distress Response System for Automobiles	Team	Other	SHAKTI Pinaka (E32-A35)	Artix7-35T
67	8858263	Sihant Dhal	Predictive and adaptive learning methods networked with IoT devices which are developed for non-invasive access to appliances targeting energy analytics-savings and water conservation in a conventional home.	Team	Start-ups	VEGA AS1061	Artix7-100T
68	8859083	Vishvajitinh Dhamendrasinh Bakarla	Intelligent Multi-Sensor Street Light System for Smart City Applications	Team	Other	SHAKTI Vajra (C54-A100)	Artix7-100T
69	8859673	Gopal R Raut	Semi-Autonomous Drones for Terrain Monitoring and Identification of Terrain Modifying Actors	Team	Educational Institutes	VEGA AS1061	Artix7-100T
70	8859693	Sangam Jem	Smart, Smart Portable Health Monitoring Device	Team	Educational Institutes	VEGA ET1031	Artix7-35T
71	8859923	Aarna Parvati (Siddhantam)	Calibration System for Nuclear Spectroscopy Applications	Individual	Educational Institutes	SHAKTI Parashu (E32-A100)	Artix7-100T
72	8861793	Sangit V Nishant	IoT Based Smart Power Monitoring and Controlling Prog	Team	Educational Institutes	VEGA ET1031	Artix7-35T
73	8861083	Parth Nishat Anand	IoT Based Smart Power Monitoring and Controlling Prog	Team	Educational Institutes	SHAKTI Vajra (C54-A100)	Artix7-100T
74	8861183	Maheesh Kumar Pragyat	IoT Based Smart Power Monitoring and Controlling Prog	Team	Start-ups	VEGA AS1061	Artix7-100T
75	8861293	Prabin Kumar Das	A System and Method for Remote Parking Slots Information Access	Team	Educational Institutes	VEGA ET1031	Artix7-35T
76	8861313	Mayank Rumbi	Anti-Theft Geo-fencing based Locking system(ATGLS)	Team	Educational Institutes	SHAKTI Vajra (C54-A100)	Artix7-100T
77	8861363	Subhika Rai	Waste management	Team	Educational Institutes	SHAKTI Pinaka (E32-A35)	Artix7-35T
78	8861313	KIRTI HEMANT WANKALE	SAND FILTER AUTOMATION WITH AUTO FERTILIZING SYSTEM FOR IRRIGATION USING INTERNET OF THINGS	Individual	Educational Institutes	SHAKTI Vajra (C54-A100)	Artix7-100T
79	8861393	Manasi Mishra	IoT Based Industry Management System	Team	Start-ups	SHAKTI Pinaka (E32-A35)	Artix7-35T
80	8862133	Munish Mehra	IMPLEMENTATION OF SHAKTI PROCESSOR IN CUBE SATELLITE	Team	Other	SHAKTI Pinaka (E32-A35)	Artix7-35T
81	8862203	Raj J.	Modernization Technology based Drug and Drop application for universal Product Design (IoT/IoT Based Technology)	Team	Educational Institutes	SHAKTI Vajra (C54-A100)	Artix7-100T
82	8862373	Shagun Pal	ENGINE CONTROLLER USING SHAKTI	Team	Educational Institutes	SHAKTI Vajra (C54-A100)	Artix7-100T
83	8863213	PRAVEEN MATHEW	Edge Computing Module for Image Processing	Team	Start-ups	VEGA AS1061	Artix7-100T
84	8863433	Sanhita Varambally B	Edge AI based Agricultural Produce Segregation Chip	Team	Other	SHAKTI Vajra (C54-A100)	Artix7-100T
85	8863603	Shwetha S	Womens Maternal Health Monitoring	Team	Educational Institutes	SHAKTI Parashu (E32-A100)	Artix7-100T
86	8864623	Ansh Kumar Barmar	A Multifunctional Biometric Quadrapod Robot for Climbing and Walking on Variable Terrain	Team	Start-ups	VEGA ET1031	Artix7-35T
87	8865523	Ogredy Naga Ramya	SMART IRRIGATION USING IOT	Team	Educational Institutes	SHAKTI Pinaka (E32-A35)	Artix7-35T
88	8865663	Tamral Mundal	Intelligent Traffic Management System	Team	Educational Institutes	SHAKTI Vajra (C54-A100)	Artix7-100T
89	8866333	vishal nataraj	IoT Platform for Solar Plant Management and Control	Team	Start-ups	SHAKTI Pinaka (E32-A35)	Artix7-35T
90	8866393	Harikrishnan R	ELAS Point Care Wearable IoT with General-Respiratory Augmentation Machine (G-RAM Mask) & Watch: Intelligent Wearable Healthcare IoT/IoT based technologies	Team	Start-ups	VEGA AS1061	Artix7-100T
91	8866873	Ankit Chouhan	Next-generation AI Smart Meter with Energy Intelligence at Edge	Team	Start-ups	SHAKTI Vajra (C54-A100)	Artix7-100T
92	8878623	Sunaj Rajan	A product that provides freedom from being constrained by IV line in Hospital and can also be extended to providing treatment at home.	Team	Start-ups	VEGA ET1031	Artix7-35T
93	8896933	Prateek Chopra	Digitization of Water Supply Infrastructure	Individual	Start-ups	Vega ET1031	Artix7-35T
94	8899543	soumitra dey	SWADESHI CUBE SATELLITE (CubeSat) - DESIGN & DEVELOPMENT OF I10 - CubeSatellite (LoRa based IoT) Callign : SHAKTISAT-1	Individual	Other	SHAKTI Parashu (E32-A100)	Artix7-100T
95	8912813	Nettini Satya Sai Srinivas	A portable healthcare monitoring system for automatic voice pathology detection from speech signals.	Team	Educational Institutes	VEGA AS1061	Artix7-100T
96	8912903	sumant naahik	OLFACT ET Automated Rapid Double Blind Smell Test for Large Scale Testing	Team	Start-ups	SHAKTI ET1031	Artix7-35T
97	8915783	Srujini Mohapatra	Camera Traps for Wildlife Monitoring and Surveillance in remote areas with Ad Hoc Network	Team	Start-ups	SHAKTI Pinaka (E32-A35)	Artix7-35T
98	8917763	Dhisheshwar Rao	Internet-Based Remote Control for Process Automation by Using VEGA/SHAKTI Microprocessor Based Transmitters	Team	Other	VEGA AS1061	Artix7-100T
99	8918073	ROHIT RAPHAEL	IoT Based Utility Management System	Team	Educational Institutes	SHAKTI Pinaka (E32-A35)	Artix7-35T
100	8919853	Mr. Vishal Ravi	Robotic training system for Shakti/Vajra for educational market (DPO-IST Shakti/Vajra)	Team	Start-ups	SHAKTI Parashu (E32-A100)	Artix7-100T



MINISTRY OF
ELECTRONICS &
INFORMATION TECHNOLOGY
GOVERNMENT OF INDIA



my
Gov
मेरी सरकार

Swadeshi Microprocessor Challenge



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)



Team 2 Details : Name - VESIT_31

Mentor - Priya R L, Vidya Zope

Team Members - Hemangi Mungad (D12A)

Shradha Agrawal (D12A)

Sunmay Agharkar (D12A)

Nishant Shankar (D12A)

Nitin Aswal (D12A)

Dhanashri Asai (D12B)

Venue :- J.S.S. Academy of Technical Education, Noida

Topic - Crowd sourcing model for preparing large question bank:

Smart India Hackathon Winners



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

Smart India Hackathon

Smart India Hackathon 2019 is an initiative by Ministry of HRD, AICTE, Persistent Systems, i4c and Rambhau Mhalgi Prabodhini. It is World's biggest Software and Hardware hackathon. It is 3rd edition of highly successful Smart India Hackathon initiative. Grand Finale of SIH 2019 was conducted on 2nd and 3rd March 2019 in various Nodal Centres across India. It was 36 Hours continuous coding contest.

Glorious Success of VESITians

It is a moment of pride that we have add on to winning history of VESIT, that 5 out of 8 teams have won the Grand Finale of Smart India Hackathon 2019. SIH 2019 was divided into three categories of complexity: Complex, Complicated and Simple.



Team SPARX

Team 1: SPARX

Team Leader: Ujala Jha/TE/INFT

Team Members:

1. Gayatri Belapurkar/TE/INFT
2. Gaurav Sahu/TE/INFT
3. Sagar Ganiga/BE/INFT
4. Abhishek Kaudare/BE/INFT
5. Mitesh Gopani / TE/CMPN

Problem Statement Category: Complex

Abstract:

UnBlock Subsidy (UBS) is a platform where we aim to revolutionize the process of disbursing subsidy by using cutting edge technologies for application development and using Blockchain as a backbone to implement the process. UBS decentralizes the current Subsidy Distribution System using the Blockchain Paradigm which increases the trust factor among stakeholders. Current implementation of UBS has 3 roles, User which is the beneficiary of the scheme, Government who is the maker of the scheme, Distributor who is responsible for disbursing approved scheme. UBS can act as a **potential service provider** for subsidy scheme system, as the system enables

- Identification of truthful beneficiaries.
- Flagging of ghost beneficiaries.
- Reducing delay and identification of points of delay.
- Eliminating chances of corruption by using a consensus approach of application verification powered by blockchain.

Mentor: Mr. Amit Singh

Team 2: Agronomists

Team Leader: Sanket Paratkar /BE/CMPN

Team Members:

1. Devendra Chaudhary/BE/CMPN
2. Pankaj Ahuja/BE/CMPN
3. Nikhil Dalvi/BE/CMPN
4. Akshaya Patil /BE/CMPN
5. Yogita Balani/BE/CMPN

Problem Statement Category: Complex

Abstract:

The Purpose of this system is to create an efficient android app for the farmers who can calculate the amount of fertilizers and pesticides to be put into the soil to get the best quality yield.



Team Agronomists

Implementation:

In this system users/farmers can calculate their field area , set up an appointment for soil testing with a soil testing laboratory (STL), receive their soil report and based on the area and the soil constituents, view the various sets of fertilizers and the amount of fertilizer to be applied to their field in the increasing order of their prices. In addition, users can detect diseases on their crop and view pesticide recommendations, their description and the method to apply the same . They can also use a chat bot for solving queries regarding farming techniques.

Mentors:

Dr. Nupur Giri
Mrs. Sunita Sahu

Team 3: MATRIX_VESIT

Team Leader: Rahul Bhatia/ TE/CMPN

Team Members:

1. Simran Bhagwandasani/TE/CMPN
2. Trupti Kamat/TE/CMPN
3. Anisha Kaul/TE/CMPN
4. Akanksha Mittal/TE/CMPN
5. Bhavika Valecha/TE/CMPN



Team MATRIX_VESIT

Problem Statement Category: Complex

Abstract:

Our problem statement was based on the RCS scheme launched by the ministry of civil aviation. They wanted an analysis dashboard where the ministry can monitor the bookings of RCS seats. Our idea for this was that we will make a channel for the booking of every RCS seats by every 3rd party . Every time a person books an RCS seat it will go through our channel to authorize and authenticate their booking to ensure that they aren't charged more price than the RCS rate. Also if a person cancels his/her RCS seat , the next person who had booked the seat at the market price will get the required discount and refund. Apart from this we also prepared a dashboard which would detect the fraudulent transactions for ministry and can also produce various charts for comparison.

Mentor:

1. Mrs. Mannat Doultani
2. Mrs. Vidya Zope

Team 4: AccheDin

Team Leader: Aneesh Kulkarni/ TE/CMPN

Team Members:

1. Pranit Naik/TE/CMPN
2. Pranali Tembhornikar/TE/CMPN
3. Tejas Thakur/TE/CMPN
4. Vignesh Verma/TE/CMPN
5. Vedant Wakalkar/TE/CMPN



Team AccheDin

Problem Statement Category: Complicated

Problem Statement: Management of material during Disaster-receipt, availability, movement and its receipt to the last person.

Abstract:

For the benefit of the people in the regions devastated by any sort of disaster, the key aspect of managing a disaster involves efficient planning of distribution and transportation of relief materials to the people in need. So to reduce the avoidable losses of lives, an efficient management system is required.

1. The admin comes to know about the disaster and its location. The admin checks if there is a relief center nearby, if not then the admin sets up a relief center at the safest and nearest location from the disaster location.
2. The admin also dispatches the team working onsite.
3. The onsite team does a survey regarding what all materials are to be distributed to whom and in what quantities.
4. After the survey, the onsite team conveys the requirement information to the admin via an android app, where there are categories for different disasters. The team member can add or edit the relief materials also. If there is an internet connection, the requirements will be added in real time database. But if there is no internet connection, then the requirements are stored in local database (SQLite) and as soon as there is an availability of internet connection, requirements will be then added in the real time database.
5. From the database the information about the requirements reaches the admin in the form of quotations. If the quotations are approved by the admin, it is given as the input to the intelligent system.
6. The intelligent system searches for the nearest storage centers, and if the material availability is adequate at the respective storage systems then the admin is notified about what material can be delivered by which storage centers and in what

Smart India Hackathon Winners



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

- quantities.
- Once the admin sends the dispatch command to the storage centers, the order of the materials are dispatched from the storage centers via the corresponding shippers.
 - The shippers are tracked by the admin, storage centers as well as the relief centers, by GPS and geo-fencing if the internet connection is available. If not then the shippers will be informed about the checkpoints (set up by Goonj) lying on the route from the place of shipment to the relief center and the shippers when report at these checkpoints, they can be tracked via these checkpoints with the help of a verification code that can be determined by scanning the respective QR codes.
 - Once the materials are received by the relief center, the received quantity is updated in the database to determine whether the requirement is fulfilled.
 - The onsite team members collect the relief materials from the relief center and what material is given to which onsite member and in what quantity is recorded with the help of a form. If the requirement is not fulfilled the onsite team members first notifies the admin about the issue and place a new order and the entire process is repeated.

Mentors:
Mrs. Anjali Yeole
Mrs. Indu Dokare

Team 5: TechBACCRA
Team Leader: Chinmay Sankhe /TE/CMPN
Team Members:
1. Bhavesh Ahuja/TE/CMPN
2. Austin Coutinho/TE/CMPN
3. Chandan Bhargale/TE/CMPN
4. Rinku Sahu/TE/CMPN
5. Abhiruchi Bhattacharya/TE/CMPN

Problem Statement Category: Simple

Problem Statement: Farm Input Calculation



Team TechBACCRA

Abstract:

The Purpose of this system is to create an efficient android app for the farmers who can calculate the amount of fertilizers and pesticides to be put into the soil to get the best quality yield. In this system users/farmers can calculate their field area, set up an appointment for soil testing with a soil testing laboratory (STL), receive their soil report and based on the area and the soil constituents, view the various sets of fertilizers and the amount of fer-

tilizer to be applied to their field in the increasing order of their prices. In addition, users can detect diseases on their crop and view pesticide recommendations, their description and the method to apply the same. They can also use a chat bot for solving queries regarding farming techniques.

Mentors:
Mrs. Priya R. L.
Mrs. Sunita Suralkar



The official logo for Smart India Hackathon 2019

Sr. No.	Company name	Team Name	Team Leader	Problem Statement Title	Problem Statement Category	Prize Amount
1	Robert Bosch	SPARX	Ujala Jha/ TE/ INFT	Digital India - Smart Subsidy System.	Complex	1,00,000/-
2	RCF	Agronomists	Sanket Paratkar / BE/CMPN	AI for Farmers	Complex	1,00,000/-
3	Ministry of Civil Aviation	MATRIX_VESIT	Rahul Bhatia/ TE/ CMPN	Mobile application to get RCS flight seat availability/Fare/Departure/ Destination in real time	Complex	1,00,000/-
4	Goonj	AccheDin	Aneesh Kulkarni/ TE/CMPN	Mgmt of material during Disaster- receipt, availability, movement and its receipt to the last person	Complicated	75,000/-
5	Kisan Forum Pvt. Ltd.	TechBACCRA	Chinmay Sankhe / TE/CMPN	Farm input calculation	Simple	50,000/-

LBS Championship 2018-19

LBS is an Annual event envisaged and realized by our Principal to encourage further learning by students. Here, different student groups come up with their ideas and make a project. This year, LBS was an intra - college, theme based competition, renamed LBS Championship 2018-19.



The panel of judges in the final round

Entries were invited from students of second and third year engineering and First and Second year MCA. They were asked to propose a solution in the form of an App or a product benefiting the Society. Also, the interested faculty members were asked to register as mentors. About 55 the student groups and 38 mentor registered for the first round.

There were three rounds of elimination:

Ist round of elimination: LBS championship 2018-19 Round I was conducted on 10th October 2018 between 1 pm and 3 pm in room numbers 523 and 524. The student teams presented their problem statements in three minutes and two minutes were assigned for the Q&A session. The senior faculty members judged the projects based on the novelty of the ideas proposed and feasibility and 38 groups were selected for the next round.

IIInd round of elimination - LBS championship 2018-19 Round II was held on 2nd February 2019 by our experienced alumni. The projects were judged based on about 70 -80% completion of the project and innovative ideas. Here, 37 teams participated and 11 were selected for the III round.

IIIrd round, The Finals - LBS championship 2018-19 Round III was held on 2nd March 2019 and the judges were invited from the Industry. There was a panel of 6 judges and criteria for judgment was conversion of this prototype in to a final product. Quantiphi sponsored the prizes - I prize - Rs.10000, II prize - Rs. 7000 and III prize - Rs. 3000. The prizes distribution ceremony was held on 20th March 2019, Technology day.

-Akshara Sarfare



LBS Finalists with their mentors and judges



Siddhant Satam, Abhishek Desale, Sai Rane and Phalguni Shendye came Third

Smart India Hackathon and LBS Championship Winners



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

Position	Code	Title	Project Leader	Mentor
First	LBS-523-09	Air Pollution Sensing using Wireless Sensor Networks	Sunit Raut - TE - EXTC Shubham Annigeri -TE - EXTC; Shubham Madhavi - TE- EXTC Shreyas Padate -TE- EXTC	Mr. Ajinkya Valanjoo EXTC
Second	LBS-524-32	Water E-Governance	Paarth Nilesh Arkadi SE -ETRX Ankit Deopurkar- SE-ETRX Megha Sahu -SE- INFT Juyee Sabade - E -INFT	Dr. Shiv Kumar Goel -MCA
Third	LBS-523-12	Prosthetic Leg	Siddhant Satam SE- EXTC ; Abhishek Desale SE -ETXC Sai Rane SE- EXTC Phalguni Shendye SE- EXTC	Mr. Abhishek Chaudhari -ETRX
Third	LBS-523-20	Smart Parking System	Aaryaa Padhyegurjar SE- ETRX Nikita Patel SE- ETRX Vaidehi Phaltankar SE- ETRX Sayli Sawant SE- ETRX	Mrs. Nusrat Ansari-ETXC

Avishkar Research Convention 2018-19

-Saumya Kulkarni

Avishkar Research Convention is organized by University of Mumbai. It is designed to develop a research culture and scientific temper among the students, scholars and teachers from under-graduates to Doctoral level in the state of Maharashtra.

The Governor of Maharashtra and the Chancellor of the Universities in Maharashtra, Hon'ble Shri. S.M. Krishna had initiated Avishkar Research Convention in the academic year 2007-2008.



L-R: Mrs. Indu Dokare, Sanket Paratkar, Smit Gangurde and Faizanshah Ansari

Among six categories like "Humanities, Languages and Fine Arts", "Commerce, Management and Law", "Pure Sciences", "Agriculture and Animal Husbandry", "Medicine and Pharmacy" and "Engineering and Technology", this year, VESIT teams participated in Category 5, that is, Engineering and Technology. It covers all branches of engineering and technology, that includes computer science, information tech-



L-R: Mr. Nadir Charniya, Mr. Ajinkya Valanjoo, Shubham Annigeri (D14B), Sunit Raut (D14B), Shubham Madhavi (D14B) and Sonali Dulange (D14B)

nology, agricultural engineering, food technology, dairy technology, bio physics, biomedical and bio sensor etc. where engineering and technology aspects are covered.



L-R: Shreyas Dighe, Akshay Joshi, Atharva Patil, Kiran Chattwani

Participants were from 22 Universities from Maharashtra and there were around 900 participants covering all Levels like Undergraduate Students (UG), Post-Graduate Students (PG), Post PG Students (PPG) and Teachers (TH). All the participants had to go through tough competition for the following levels:

1. Inter-Collegiate/Institute/Department Level
2. Zonal/District Level
3. University (Inter-Zonal/Inter-District) Level
4. State Level

In the Inter-Collegiate/Institute/Department Level held at VESIT on 14th December 2018, six groups were selected in UG category, one candidate each from PG and PPG category and two from TH category got selected for Zonal/District Level. Zonal/District Level was held at RAIT College of Engineering, Navi Mumbai on 23rd December 2018. The following teams/ candidates were selected for University (Inter-Zonal/Inter-District) level:

1. UG category -
 - **Air Pollution Monitoring System using Wireless Sensor Networks** presented by: Shubham Annigeri, Sunit Raut, Shubham Madhavi and Shreyas Padate.
 - **Semi autonomous Lake Cleaning System** presented by: Atharv Patil, Shreyas Dighe, Akshay Joshi, Kiran Chatwani.

- **Lucar presented** by: Nishit Ahuja, Sanket Paratkar
- 2. PG category - **Design & Construction of precision & sliding pulse generator** presented by: Ajit Patil.
- 3. PPG category - **A novel system for emulation of partial discharge to aid HV equipment breakdown diagnostics** presented by Lekshmi Ajesh Kaimal.
- 4. TH category - **Research grade computer controlled light source** presented by: Prof. Kadambari Sharma.

Development of high-resolution nuclear spectroscopy system based on new dynamic estimation technique presented by: Prof. Asma Parveen I. Siddavatam.

In University (Inter-Zonal/Inter-District) round that was held at KJSIT, Sion on 2nd January 2019, Lekshmi Ajesh Kaimal secured 1st rank in PPG category, while Prof. Asma Parveen I. Siddavatam and Prof. Kadambari Sharma secured 2nd and 3rd rank in TH category respectively.

Prof. Asma Parveen I. Siddavatam and Lekshmi Ajesh Kaimal represented University of Mumbai at Inter- University State Level competition that was



Prof. Asma receiving silver medal in TH category at state level.

held at Gondwana University, Gadchiroli from 15th to 19th January 2019.

The teams/candidates presented university at state level were also got a chance to interact with Hon'ble Education Minister, Shri. Vinod Tawde at Mantralaya.

Avishkar and LBS Championship Winners



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

University of Mumbai



Research Project No : IIII

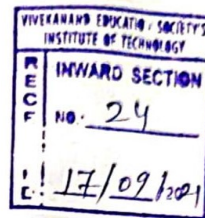
NAME OF THE RESEARCHER
LECTURE IN
AMOUNT SANCTIONED
CO-INVESTIGATOR

Mrs. Nudrat Ansari
Electronics & Telecommunication
RG - Asst. Prof.

Ref No. AAMS/ICD/106 of 2021
23rd July, 2021

To,

Vivekanand Education Society's Institute of
Technology, Hashu Advani Memorial Complex,
Collector's Colony, R.C. Marg, Chembur,
Mumbai-400 074.



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 70% of the sanctioned amount will be disbursed within the month of August. The remaining 30% amount will be disbursed up to 31st December, 2021

The researcher is expected to spend 30% 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 100% sanctioned amount on or before 31st December, 2021 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 Deputy Registrar, Accounts Section, Mahatma Phule Bhavan, Vidyanageri, Kalina Campus, University of Mumbai, Mumbai - 400 098.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st December, 2021.

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 Section)

Grant from University of Mumbai

The Dynamic Daily Newspaper of Navi Mumbai

Newsband

21 November 2019 **VOL. 13 • ISSUE 169** **PAGES 12 • PRICE ₹ 1**

THURSDAY **RNI No. MAHEN/2007/21778** **POSTAL REGN. NO. N**

NMMC awards Colleges for best disaster management projects



NAVI MUMBAI: The Navi Mumbai Municipal Corporation (NMMC) and the United Nations Development

Programme (UNDP) had organised a unique competition for the Colleges on Disaster Management. The team from each College had to showcase their creativity and originality with their unique concepts for combating disaster and the steps that can be

taken by the governing bodies during natural calamities.

54 students from various engineering colleges from Navi Mumbai, Panvel, Thane and Mumbai had submitted projects. Out of these, six projects were selected for their concepts.

IIT, Mumbai pre-

sented a sample project 'Portable Operation Room for Disaster' that is very easy to navigate and use for emergency operations in the disaster affected areas. Vivekananda Education Society's Institute of Technology, Chembur's

Contd. on pg. 2

NEWS IN BRIEF

NMMC awards Colleges...

Contd. from pg. 1

project was on 'Lake cleaning'; Ramrao Adik's Institution of Technology, DY Patil College Nerul presented 'Human Detector - Snake Robot' project; M.H. Sabu Siddiqui College of Engineering (The two student groups independently performed chemical disaster project experiments on 'Human Rescue Robot' and 'Hazard's Material Detection Using Raspberry Pi'. The students of SIES, Nerul, presented an ingenious experiment to propa-

gate the message 'Accident Mitigator'.

The winners were honoured by Mayor Jayawant Sutar at the general body meeting of the Municipal Corporation along with the Principals of the Colleges, and the professors who guided the project. On this occasion the Deputy Mayor, Mandakini Mhatre, Municipal Commissioner Annasaheb Misal, Chairman of Standing Committee Naveen Gavte, House Leader Ravindra Ithape, Leader of Opposition Vijay Chaugule, Avinash Lad, Dr. Jayaji Nath, and others were present.

Grant from NMMC



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

The results of the Competition related to Students' Concepts of Disaster Management declared

By Chandrasekhar
Hendhe
NMMI MUMBAI, Navri
Mumbai Municipal
Corporation and
United Nations



Development Program had jointly organized for Engineering Degree Colleges's students a competition where they had to come up with their concepts on the issue related to disaster management. The committee then selected 10 out of 11 proposals of

Entry No.	Name of the College	Project Proposal – Title	Total Marks	Rank
54	IT Mumbai	Road Accident Response Management System	73	1
47	Vivekananda Education Society's Institute of Technology, Chembur	Search	72	2
52	VJTI	Pushpac	70	3
25	Ramrao Adik Institute of Technology, Nanur	Human Detector (Snake Robot)	69	4
21	MHSSCOE	Human Rescue Robot	68	5
26	IT Mumbai	Portable Operation room for Disaster Affected Areas	68	5
9	Pilani HOC College of Engineering & Technology	Automatic Accident Detection & Notification System	56	6
34	MHSSCOE	Hazardous Material Detection using Raspberry Pi	53	7
2	SIES	Accident Mitigator	51	8
41	IT Mumbai	Flood Monitoring, App based Estimation of Water Level & mapping by Crowd sourcing	50	9
53	VJTI	avira	50	9

these concepts and these selected ones

will get Rs 50000 prize from NMMC. Here

are the marks obtained by 11 proposals:

Grant from NMMC



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)



VESIT-IIC established and receipt of IIC Certificate from AICTE and MHRD: 2018

A stamp of innovation

Technology and Innovation go hand in hand, and together they can create wonders. Having an innovative approach towards learning course of syllabus can not only enhance the learning experience but also focus on conceptual understanding of a subject.

VESIT has also been selected and certified for establishing Institution Innovation Council (IIC) as per the norms and directives of Innovation Cell, Ministry of Human Resource Development (MHRD), Government of India.

Dr. Nadir N. Charniya, Convener of IIC, VESIT attended the function and received the IIC certificate at the AICTE Headquarters, New Delhi. At the event, Hon'ble Union HRD Minister Shri Prakash Javadekar launched the Institution's Innovation Council (IIC) under Innovation cell of MHRD at All India Council for Technical Education (AICTE) headquarters in New Delhi on 21st November, 2018.

Shri R. Subrahmanyam, Secretary (Higher Education), MHRD; Prof. Anil Sahasrabudhe, Chairman, AICTE; Dr. M. P. Poonia, Vice-chairman, AICTE;



The certificate received by our college



Dr. Nadir Charniya at the event in New Delhi

Dr. N. Saravana Kumar, Joint Secretary (Technical Education); Prof. Bhushan Patwardhan, Vice-Chairman, UGC; Dr. Abhay Jere, Chief Innovation Officer, MHRD's Innovation Cell (MIC); dignitaries from the Central Government agencies and more than 800 representatives from Institutions and Universities across the country were present on the occasion.

Speaking on the occasion Shri Javadekar said, the purpose of formation of network of IIC, IIC is to encourage, inspire and nurture young students by exposing them to new ideas. Shri Javadekar said, around one thousand Institutions have been certified for establishing IICs in their campuses to promote innovation. The Minister said, the educational advancement in higher education can only be achieved by encouraging best practices in innovation and advanced research.

MHRD has recently established MHRD's Innovation Cell (MIC) to systematically foster the culture of Innovation amongst all Higher Education Institutions across the country. MIC with the mandate to work closely with all institutions to encourage the creative energy of student population to work on new ideas and innovation and promote them to create start-ups and entrepreneurial ventures.MIC

will focus on creating complete ecosystem which will foster the culture of Innovation across all educational institutions from ideas generation to pre-incubation, incubation and graduating from the incubator as successful start-ups.

Dr. Sahasrabudhe and other dignitaries in their talk requested the institutions provide separate space and necessary support for the student to work on their innovative ideas and encourage the student and faculty ideas even if they are not matured one and although sometimes those ideas may not be successful. It was also suggested to train and orient the faculty also for incubation, entrepreneurship and startup related activities. Absorb and implement best practices of model institutions like IITs, VIT etc in relation to startup, incubation and entrepreneurship. Networking and connecting to industries and forming MoUs with industries were also suggested.

It is indeed a proud moment for the teaching staff, non-teaching staff, students and alumni as our college marches into a new world of innovation, exploration and research.



From left Dr. Nadir Charniya with Dr. Anil Sahasrabudhe, Chairman AICTE and other dignitaries

VESIT-IIC established and receipt of IIC Certificate from AICTE and MHRD: 2018



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

Institute Innovation Council (IIC) Vesit has been awarded 4 Golden Star Rating for the academic year 2018-19. Out of 159 colleges in Maharashtra Goa Region with IIC, 22 Institutes have received 4 Stars. Institute Innovation Cell (IIC) was established to encourage the development of innovative minds amongst students and societies. In lieu of this honour, VESIT Connect brings you, the events conducted by IIC-Vesit since its inauguration.

Ophthalmology with Engineering: Speaker: Padma Shri Dr. S. Natarajan (Managing Trustee Aditya Jyot Foundation for Twinkle Little Eyes, Mumbai) On 15th July 2019, a session on Ophthalmology with Engineering by was organized at VESIT auditorium under VESIT- Institutes' Innovation Council from 10.30 am to 12 00 pm, wherein students from third year and faculty attended the session. Dr. Natarajan has been conferred with Padma Shri for his contribution to Diabetic eye retinopathy. He spoke about his projects on eye retina diagnosis using computers and mobile Apps. He said that he is working on the use of mobile phones for diagnosis of heart diseases by imaging the retina. Finally he shared some applications of neural networks and artificial intelligence in the medical field. Machine Learning and Healthcare: Speaker: Dr. Rich Fletcher (Research Scientist, MIT).

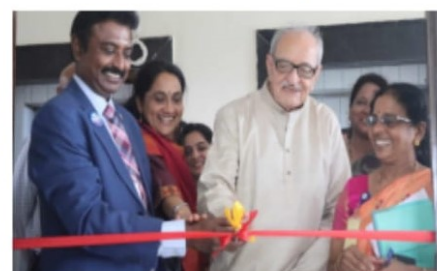
On 8th August 2019, a session on Machine Learning in Healthcare was organized at VESIT auditorium under VESIT- Institute Innovation Council from 2 pm to 4 pm, where faculty and students, mainly from the third year, attended the session. The entire session was divided into 2 parts- In the first part Dr. Fletcher spoke about his journey of how he

came into the healthcare. He is a scientist in MIT and Assistant Professor in UMASS Medical School. He spoke about his application area which mainly focuses on diagnostics and theoretical science. Dr. Fletcher then elaborated on the main projects that he has done which included an Anemia Assessment Application to measure the level of hemoglobin based on a scale and then he improve it to make it augmented into reality diagnostics. These and many other projects were done under the Fletcher Labs.

Inauguration of VESIT Aditya Jyot Eye Innovation Centre: On 21st August 2019, inauguration VESIT Aditya Jyot Eye Innovation Centre was organized at VESIT auditorium under VESIT- Institutes Innovation Council from 11 am to 1 pm, wherein students and faculty members attended the session. The founder of Aditya Jyot Eye Hospital, Dr. Natarajan and VESIT's Managing Trustee, Shri. B. L. Boolani were the Chief Guests for the session. The session was attended by Dr. Radhika Krishan, CEO of Aditya Jyot Foundation, Dr. Prakash Lulla, Trustee and VESIT Alumni Association's President Mr. Vijay Talreja.

The session started with our Principal, Dr. J. M. Nair welcoming the audience. Our Chief Guest Shri. B. L. Boolani, then, shared his experience in the field to medicine and healthcare. This was then followed by MoU signing of VESIT Aditya Jyot Eye Innovation Centre. Then a presentation was given by Dr. Natarajan on various projects that they are going to work with VESIT. These projects include various methods to detect eye diseases using Artificial Intelligence and Image Processing.

On 21 September, Mr. Rakesh Barai, Tech Lead at Tyre Express, gave a motivational speech in an event, "My Story - Innovator's Life and Crossroads", conducted by IIC. Mr. Barai is an Alumnus of VESIT. He completed his M.E in Instrumentation from VESIT. He has two patents to his credit, one of which is his own product, which has been installed on tyres of trucks, tractors and similar heavy vehicles.



L to R: Dr. S Natarajan, our trustee Shri B.L Boolani and our Principal, Dr. J.M Nair during Inauguration of VESIT Aditya Jyot Eye Innovation Centre

Working as a technical lead with Tyre Express, which concentrates on IOT based Tyre management systems for commercial vehicle and OTR segment (PORT, MINES). Mr. Barai, managed setting up the complete hardware and some part of software platform for the entire product and developing an algorithm for the gateway device. He is responsible for bringing the product from ideation stage to physical existence of product, considering the cost effective solution, easy to source relevant components and hassle free manufacturing process with Life cycle management of product.

Inauguration of VESIT-Aditya Jyot Eye Innovation Center and MoU signed: 2019



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)



VESIT-IIC Awarded 4.5 Star Certificate: 2019-20



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)



Certificate of ARIIA Ranking 2020



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

All India Council for Technical Education
(A Statutory body under Ministry of HRD, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org

STTP- Sanction Letter

Ref. No. 34-66/454/FDC/STTP/Policy-1/2019-20 Date 9 JAN 2021

From
Director,
Faculty Development Cell,
AICTE, New Delhi-110070

To
The Drawing and Disbursing Officer,
All India Council for Technical Education,
Nelson Mandela Marg,
Vasant Kunj, New Delhi - 110070

Sub: Release of grant for conduct of Short Term Training Programme (STTP) under AQIS 2019-20 during the financial year 2020-21- reg.

Sir,

This is to convey the sanction of the Council for payment of Rs. 403333 /- (Rupees Four Lakh Three Thousand Three Hundred ThirtyThree Paise ThirtyThree Only) for conduct of Short Term Training Program as per details given below:-

1.	Name and address of the beneficiary University / institution	VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY HASHU ADVANI MEMORIAL COMPLEX, COLLECTOR'S COLONY, R.C. MARG, CHEMBUR, MUMBAI - 400074 Maharashtra 400074
2.	Permanent ID of Institute	1-7118101
3.	Institute type	Unaided - Private
4.	Name of Coordinator	Dr. VIJAYALAKSHMI M
5.	Amount sanctioned	Rs. 403333/-
6.	Amount to be released	Rs.403333/- Full & final payment
7.	Head of account	601.15(a) Gen. Short Term Training Programme (Plan)
8.	The authorized officer in whose favour Cheque/ Demand Draft/ RTGS is to be made	REGISTRAR / DIRECTOR / PRINCIPAL
9.	Title of the programme	Blockchain & Its Applications

- The amount of the grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the grant-in-aid bill and shall be disbursed to and credited to the Registrar/ Director/Principal of the institute through RTGS.
- This grant-in-aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.
- The Principal of the Institute and the Coordinator of the Program are requested to verify the correctness of the under-mentioned Bank Account / RTGS Details submitted by them alongwith the proposals, in which the grant is being released:-

NOTE:- Any deviation from the above will invoke serious action against the Institute.

Yours sincerely,
(Col. B Venkat)
Director (FDC)
29 JAN 2021

AICTE Sponsored STTP on Blockchain and Its Applications Conducted in 4-Phases



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)



अखिल भारतीय तकनीकी शिक्षा परिषद
All India Council for Technical Education
(A Statutory Body of The Government of India)



पश्चिमी क्षेत्रीय कार्यालय WESTERN REGIONAL OFFICE

औद्योगिक अनुसंधान भवन, दूसरी मंजिल,
राष्ट्रीय औद्योगिक अभियांत्रिकी संस्थान,
(सीटी) परिसर, विहार झील,
मुंबई - ४०० ०८७
दूरभाष: (०२२) २८४७००१९/२८४७५७९३
अनुडाक: wro@aicte-india.org
अंतरताना: www.aicte-india.org

Industrial Research Building, 2nd Floor,
National Institute of Industrial Engineering
(NITIE) Campus, Vihar Lake,
Mumbai - 400 087
Tel: (022) 28470019 / 28475793
Email- wro@aicte-india.org
Web: www.aicte-india.org

AICTE Training and Learning (ATAL) Academy, (Online FDP)

F. No. 01 /AICTE /ATAL-HQ/2020-21_____

Date – 08.06.2021.

To,
The Director / Principal,
Vivekanand Education Society's Institute Of Technology
Hashu Adwani Memorial Complex, Collector's Colony, Chembur, Mumbai

Sub: Release of a sum of Rs 93,000 /- for AICTE Training and Learning (ATAL)
Academy Online FDP.

Sir,

This is to convey the sanction of the Council for payment of Rs. 93,000 /- (Rupees Ninety –Three Thousand Only) for conduct of online AICTE Training And Learning (ATAL) Academy FDP One week online faculty development program on “Electric Vehicles” to Vivekanand Education Society's Institute Of Technology Hashu Adwani Memorial Complex, Collector's Colony, Chembur during 05-07-2021 to 09-07-2021 under AICTE Training And Learning (ATAL) Academy.

This fund is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

The instructions/guidelines to be followed by University/Institution

I. Release of funds and maintenance of accounts

- The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.
- The cost for conducting per programme will be Rs. 93,000/- as per detail given as under:

1 Honorarium to Coordinator Rs 10,000/-

2 Honorarium for computer operator Rs 2,000/-

3 Honorarium for experts (Rs.5000/session for 14 sessions) Rs 70,000/-

Head Office : JNU Campus, Nelson Mandela Marg, Vasant Kunj, New Delhi - 110 070.
Tel.: 011-2613 1576 / 77 / 78 / 80 Web : www.aicte-india.org

AICTE Sponsored ATAL FDP on Electric Vehicle



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)



अखिल भारतीय तकनीकी शिक्षा परिषद
All India Council for Technical Education
(A Statutory Body of The Government of India)



पश्चिमी क्षेत्रीय कार्यालय WESTERN REGIONAL OFFICE

औद्योगिक अनुसंधान भवन, दूसरी मंजिल,
राष्ट्रीय औद्योगिक अभियांत्रिकी संस्थान,
(सीटी) परिसर, विहार झील,
मुंबई - ४०० ०८७
दूरभाष: (०२२) २८४७००१९/२८४७५७९३
अनुडाक: wro@aicte-india.org
अंतरताना: www.aicte-india.org

Industrial Research Building, 2nd Floor,
National Institute of Industrial Engineering
(NITIE) Campus, Vihar Lake,
Mumbai - 400 087
Tel: (022) 28470019 / 28475793
Email- wro@aicte-india.org
Web: www.aicte-india.org

AICTE Training and Learning (ATAL) Academy, (Online FDP)

F. No. 01 /AICTE /ATAL-HQ/2020-21 _____

Date – 08.06.2021.

To,
The Director / Principal,
Vivekanand Education Society's Institute of Technology.
Hashu Adavani Memorial Complex, HAMC Marg, collector's colony,
Chembur.

Sub: Release of a sum of Rs 93,000/- for AICTE Training and Learning (ATAL) Academy Online FDP.

Sir,

This is to convey the sanction of the Council for payment of **Rs. 93,000/-** (Rupees **Ninety –Three Thousand Only**) for conduct of online AICTE Training And Learning (ATAL) Academy FDP Cyber Security to Vivekanand Education Society's Institute of Technology Hashu Adavani Memorial Complex, HAMC Marg, collector's colony, Chembur during 05-07-2021 to 09-07-2021 under AICTE Training And Learning (ATAL) Academy.

This fund is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

The instructions/guidelines to be followed by University/Institution

I. Release of funds and maintenance of accounts

- The University/College/Institute shall maintain proper accounts of the expenditure out of the grants, which shall be utilized only on approved items of expenditure.
- The cost for conducting per programme will be Rs. 93,000/- as per detail given as under:

1 Honorarium to Coordinator Rs 10,000/-

2 Honorarium for computer operator Rs 2,000/-

Head Office : JNU Campus, Nelson Mandela Marg, Vasant Kunj, New Delhi - 110 070.
Tel.: 011-2613 1576 / 77 / 78 / 80 Web : www.aicte-india.org

AICTE sponsored ATAL FDP on Cyber Security



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

All India Council for Technical Education

(A Statutory body under Ministry of HRD, Govt. of India)
Nelson Mandela Marg, Vasant Kunj, New Delhi-110070 Website: www.aicte-india.org



STTP- Sanction Letter

Ref. No. 34-65/7/RIFD/STTP/Policy-1/2018-19

Date _____

To

The Drawing and Disbursing Officer,
All India Council for Technical Education,
Nelson Mandela Marg,
Vasant Kunj, New Delhi - 110070

Sub: Release of grant for conduct of Short Term Training Programme (STTP) under AQIS 2018-19 during the financial year 2019-20- reg.

Sir,

This is to convey the sanction of the Council for payment of **Rs. 179666 /- (Rupees One Lakh SeventyNine Thousand Six Hundred SixtySix Only)** for conduct of Short Term Training Program as per details given below:-

1.	Name and address of the beneficiary University / Institution	VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY , HASHU ADVANI MEMORIAL COMPLEX, COLLECTOR'S COLONY, R.C. MARG, CHEMBUR, MUMBAI - 400074 MUMBAI-400074 Maharashtra
2.	Permanent ID of Institute	1-7118101
3.	Institute type	Unaided - Private
4.	Name of Coordinator	Dr. NADIR CHARNIYA
5.	Amount sanctioned	Rs. 179666/-
6.	Amount to be released	Rs.179666/- Full & final payment
7.	Head of account	601.15(a) Gen. Short Term Training Programme (Plan)
8.	The authorized officer in whose favour Cheque/ Demand Draft/ RTGS is to be made	REGISTRAR / DIRECTOR / PRINCIPAL
9.	Title of the programme	Green Internet of Things

1. The amount of the grant shall be drawn by the Drawing and Disbursing Officer, All India Council for Technical Education on the grant-in-aid bill and shall be disbursed to and credited to the Registrar/ Director/Principal of the institute through RTGS.
2. This grant-in-aid is being released in conformity with the terms & conditions as well as norms of the scheme as already communicated, and also being communicated in this letter.

Yours sincerely,

(Dileep N Malkhede)
Advisor-1 (RIFD)
12 DEC 2019

Copy forwarded for information and necessary action to:-

AICTE Sponsored STTP on Green IoT Conducted in 3-Phases



Vivekanand Education Society's Institute of Technology

(Affiliated to University of Mumbai, Approved by AICTE & Recognized by Govt. of Maharashtra)

29/02/2020



सत्यमेव जयते

भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

ORIGINAL

No. 85991

CERTIFICATE OF REGISTRATION OF DESIGN

Design No.	308565
Date	07/08/2018 17:46:54
Reciprocity Date*	
Country	

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 29-02 in respect of the application of such design to OBSTACLE DETECTION ARTICLE FOR BLINDS in the name of I.SHOBHA KRISHNAN, C12, SARVODAYA COOP.HSG. SOC., L.B.S. MARG, GHATKOPAR WEST, MUMBAI 400086. 2. PREMKUMAR PURUSHOTTAM JOSHI, C-404, SHIVSHANKAR-1, PLOT-NO2, SECTOR-15, SANPADA, NAVI MUMBAI 400705. 3. MANISHA PREMKUMAR JOSHI, C-404, SHIVSHANKAR-1, PLOT-NO2, SECTOR 15, SANPADA, NAVI MUMBAI 400705. 4. SANKET VINOD AGARWAL, A1-11, SINDHU BLDG., N.B.D. SOC., N.S.S. ROAD, OPP. HOME GUARD, GHATKOPAR WEST, MUMBAI-400086., ET AL.

in pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.



**INTELLECTUAL
PROPERTY INDIA**
Controller General of Patents, Designs and Trade Marks

*The reciprocity date (if any) which has been allowed and the name of the country.
Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years.
This Certificate is not for use in legal proceedings or for obtaining registration abroad

ANAND MAHURKAR,
KRISHNA & SAURASTRI ASSOCIATES LLP 74/F,
VENUS, WORLI SEA FACE, MUMBAI 400 018,
MAHARASHTRA, INDIA

Date of Issue 07/02/2020 15:08:40

Patent Granted