

Memorandum of Understanding (MOU)

Between

CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

(A scientific Society of Department of Electronics and Information Technology,
Ministry of Communications and Information Technology)

Government of India

3rd floor, Westend Centre III,
Nagras Road, Aundh, Pune 411 007

Tel.: 020 -25503100/101/102

Fax: 020 - 25503131

E-mail: acts@cdac.in

And

Vel Tech Rangarajan Dr.Sagunthala

R&D Institute of Science and Technology

(Vel Tech Dr.RR & Dr.SR Technical University)
(Deemed University under sec3 of UGC ACT 1956)

#42,Avadi-Vel Tech Road, Avadi, Chennai-62

Telefax: 044-26840605, E-mail: veltech@vsnl.com



Memorandum of Understanding (MoU) for Collaboration in R&D of mutual interest and High End IT Training programs

This MoU dated 01st July 2014 made and executed at Pune by and between Centre for Development of Advanced Computing, a national initiative of the Department of Electronics and Information Technology, Ministry of Communications and Information Technology, Government of India registered under the Societies Registration Act 1860 and the Bombay Public Trust Act 1950 and having its registered address as Pune University Campus, Ganeshkhind, Pune 411 007, hereinafter referred to as "C-DAC" which expression shall mean and include its successors and permitted assigns Party of the First Part

And

Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology (Vel Tech Dr.RR & Dr.SR Technical University) a Deemed University under section 3 of UGC ACT-1956, established by Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology registered under Indian Trust Act 1881 having their registered address as #42, Avadi-Vel Tech Road, Avadi, Chennai-62, hereinafter referred to as "University or Authorized Organization or ATC" or the party of the second part, (which expression shall in mean and include its successors and permitted assigns) Party of the second part.

Hereinafter C-DAC and University collectively referred to as the Parties, individually referred to as the Party

WHEREAS C-DAC has designed and developed India's first supercomputer and also has been engaged in creating quality manpower in IT by way of Education and Training through its Advanced Computing Training School (ACTS), Pune, herein after referred to as 'C-DAC ACTS, Pune.

Whereas C-DAC ACTS, Pune has developed the expertise in design, management and delivery of education & training programmes and services, in Information & Communication Technology (ICT) and related areas.



AND Whereas University is engaged in Technical education, research and development activities since 1997. University has developed several educational programmes with industry collaboration in areas like IT, Computing, Communication, Instrumentation, Automobile Engineering etc.

And whereas both parties have entered into MoU vide Sr. No. 1588 dt. 14th October, 2009 for M.Tech Programme. The same is/was valid upto June 30, 2014. Now the Parties desirous to signing the MoU to offer three new disciplines in joint M. Tech programmes.

And whereas the University is desirous of providing M Tech programmes of C-DAC courses in its institute and has therefore approached C-DAC for providing training of the said courses.

Now, therefore, both the parties hereto agree as follows:

1.0 Scope of MoU:

- 1.1 Both parties will work together for imparting quality education using expertise of C-DAC and University for Master of Technology (M.Tech) programmes in ICT related domain to create manpower for Research and Development requirements of organizations in India and abroad.
- 1.2 Both parties shall take all reasonable steps to ensure the successful completion of the collaboration and co-operate with each other in duly carrying out the obligation agreed upon.

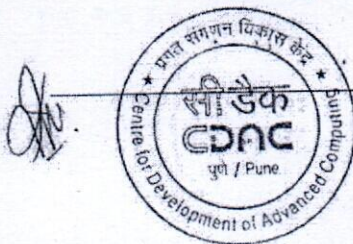
2.0 Responsibilities of C-DAC ACTS, Pune

- 2.1 To provide expertise in designing and formulating the course structure and syllabus of various ICT related two years M.Tech. Programme.
- 2.2 C-DAC experts will visit regularly to University and deliver expert lectures on state of art technologies on mutually agreed schedule. C-DAC will deploy experts to coordinate and support in the lab.



Students of M.Tech programme shall come to C-DAC for one week after first semester for orientation programme. However, they shall have access to the library facilities and published documents available at C-DAC. The travel from Pune to Chennai of the C-DAC expert shall be borne by C-DAC, Pune.

- 2.3 Students, enrolled subject to maximum number of fifty selected students at University on each M.Tech. Programme designed by C-DAC shall be doing internship, research and colloquium work and attending some subjects at different C-DAC locations with different R&D groups of C-DAC during second year of M.Tech. Programme. In any case total number of students in one batch combining all the M.Tech. courses should not be more than 150. Such internship / colloquium / dissertation / research work will be done by students upto maximum of twelve months. These students may work from/outside C-DAC offices as directed by C-DAC. C-DAC will offer guidance to students regarding project work/assignment. Students shall pay for and arrange their accommodation / conveyance / communication / computing and other facilities etc.
- 2.4 To conduct the project internal evaluation as per University norms, provided by University in writing and publish the results time to time.
- 2.5 To provide guidance for internship and colloquium as per guidelines of C-DAC. However the project work shall be carried out by joint supervision of guides from C-DAC and University. C-DAC will evaluate and certify project completion. Students failing to complete the project to the satisfaction of C-DAC ACTS, shall not be issued project completion certificates. If such students or University desire to have repeat internship for failed students, C-DAC may consider such requests at additional fees of concerned semester.
- 2.6 CDAC & VTU will strictly follow the academic schedule given by the university at the start of the course. C-DAC will not conduct



examination evaluation of these students however University can contact experts for question setting and evaluation. Examination and evaluation of the students shall be conducted at University.

- 2.7 C-DAC shall not be responsible/liable to any student / parents / citizen / other person for any demands/claims/actions/suits etc. arising out of or in connection with performance / non or under performance of parties.

3.0 Responsibilities of University

- 3.1 University will ensure M.Tech programmes syllabus and structure is approved by the Board of Studies (BOS) and other authorities as per the guidelines and norms. However it is suggested that C-DAC experts should be part of Board of Studies of these M.Tech programmes.
- 3.2 To conduct advertisement, publicity, promotion and marketing for the M.Tech. programme as per their norms and guideline and bear all the expenses incurred on these activities on its own. However, the design and contents of any public announcement of advertisement for these courses shall require written consent of both the parties.
- 3.3 To conduct admission test and necessary arrangements for enrolling and inducting the students in these courses as per the norms and guidelines of the University.
- 3.4 To ensure a minimum of 50 number of participation per course. It is not feasible to run the M.Tech programmes with less number of students. However in case if it is required to run the course then it can be done through mutual agreement.
- 3.5 To make available resources in terms of adequate infrastructure with the adequate power and suitable environment conditioning for the conduct of joint M.Tech programmes. University shall upgrade and maintain entire infrastructure including computing facilities UPS, etc.,



and required environment from time to time. C-DAC shall guide University staff for the setting up of the laboratory and relevant training at University Chennai for the new Joint M.Tech programmes.

- 3.6 To provide the infrastructure viz. computers. Class Room / Lab space, with tables and chairs to accommodate a batch of 50 participants, glass / white board with felt pens / markers along with the adequate power and suitable environment conditioning for the conduct of programmes.
- 3.7 To provide 50 number of computers with latest configuration required for the conduct of this course together with the required software having valid license and operating environment for the entire duration of the programmes.
- 3.8 To make available training centre, with all facilities and required manpower and material resources to C-DAC for various events like conduct of the Common Entrance Tests or any other examinations / Seminars / workshops / conferences / training programmes or any other events conducted / coordinated / organized by C-DAC ACTS, Pune on a chargeable basis.
- 3.9 The tuition and other fees, charges for these courses shall be prescribed by University from time to time with the consultation of C-DAC. University shall collect the fee of these courses as per the guidelines / instructions mutually agreed between the Parties. University shall have all legal, financial or any other liability and responsibility towards the students of this M.Tech. programme. The liability arising out of such cases will be exclusively to the account of and shall be borne by the University. The sharing structure of the fees between C-DAC ACTS and University has been specified in this MoU.
- 3.10 After collecting the fees University shall forward the share of C-DAC ACTS immediately as per the norms and guidelines of fee sharing



mentioned in this MoU for starting the M.Tech. Programmes. In the event the fees are collected by the University and the share of C-DAC are not forwarded to C-DAC, then C-DAC shall have no legal, financial or any other liability and responsibility towards the students or for conducting course / tests, certifying them etc.

- 3.11 To defend/initiate and settle any action/claim/demands/suit made by student/parent/citizen/any other person or on their behalf etc. against University or C-DAC or both.
- 3.12 To mention clearly the responsibilities of both parties in prospectus/any document given to students before admission.
- 3.13 University shall coordinate and cooperate in the overall functioning of the centre including marketing, advertisement, promotion and publicity, selection and admission process, academic management, examination, materials management, infrastructure management and maintenance as per the norms and guidelines for various approved courses as stipulated by C-DAC, Pune from time to time.
- 3.14 University shall be responsible for conduction of all the examinations. However project internal evaluations shall be conducted by C-DAC and as per the University examination formats and guidelines.
- 3.15 During the project research work at C-DAC, students will have to sign a non – disclosure MoU as well as Intellectual Property (IP) generated through the research work will be sole property of C-DAC. In case of co-guide from University the co-guide will be required to sign a non – disclosure MoU with C-DAC. The same shall be applicable in case of external examiner for thesis evaluation.
- 3.16 University shall arrange for local conveyance and accommodations of C-DAC officials (*involved in coordination of the project*) and C-DAC experts / visiting faculty (*BOS, delivering sessions*), C-DAC Lab experts (*handling Lab sessions*) at Chennai.



- 3.17 University shall provide a guest house / rooms in lodge at Chennai to accommodate atleast three persons / rooms for C-DAC officials involved in joint M.Tech programmes.
- 3.18 University shall not publish or use any misleading or deceptive advertising material. In the event of any such advertisement being published, University shall be liable for legal action including immediate termination of this MoU without any notice, action for damages and injunction
- 3.19 University acknowledges and agrees that C-DAC shall not be responsible liable for grasping/understanding/intake/absorption of participants in respect of courses taught/imparted by C-DAC/faculty.

4.0 Joint Responsibilities

- 4.1 Both the parties to demonstrate synergy of efforts and work as a team for smooth conduct of these M.Tech. courses and ensure direct interface with one another without involving any external agency or specialists.
- 4.2 Certification of these M.Tech. courses shall be jointly done by University and C-DAC. Format of the certificate shall be designed in consultation of both the parties
- 4.3 Both should work towards building up excellent working relationship of enduring type rather than for only immediate benefits.
- 4.4 Both parties shall take all reasonable steps to ensure the successful completion of the collaboration and co-operate with each other in duly carrying out the obligation agreed upon.
- 4.5 Each party shall respect the other's intellectual property (IP) and shall not use any trade name, trade mark, symbol or designation belonging to the other, without prior written approval. No party shall hold out as an agent or representative of the other or create any liability for



the other. The parties shall indemnify and compensate the other for breach of this clause.

- 4.6 Both Parties shall maintain confidential information about course material, plan, discussion, strategies or any material, disclosed under this MoU shall be deemed to be confidential and marked accordingly. Any information, course material or like in the public domain shall not be part of this commitment.
- 4.7 Both parties shall communicate through respective nodal contacts mentioned below. Changes in nodal contacts will be informed to other party within 30 days of change.

	C-DAC	Vel-Tech
Name	Aditya Kumar Sinha	G. Sivakumar
Designation	Principal Technical Officer	Head - Industry Stream Programmes
Phone	+91 20 2550 3155	044-26840605
Mobile	+91 9527063600	+919600040253
Email	saditya@cdac.in	veltech@vsnl.com

5.0 Confidentiality

- 5.1 Any confidential information received by either party, under and by virtue of this MoU, shall be maintained in the strictest confidence and trust and shall be used for the agreed purpose under this MoU only.
- 5.2 In the event of any of the parties become legally compelled to disclose any confidential information, such party shall give sufficient notice to the other party so as to enable the other party to seek a timely protective order or any other appropriate relief. If such an order or other relief cannot be obtained, the party being required to make such a disclosure shall make the disclosure of the confidential Information only to the extent that is legally required of it and no further.



6.0 Mutual Obligations

- 6.1 As expressly stated in the MoU, there shall be no obligation on any party to compensate the other in any manner or to make any claim.
- 6.2 Each Party shall meet the expenses between them as agreed mutually.
- 6.3 Student enrollment is subject to maximum number of fifty students at University in each joint M.Tech programmes designed in collaboration with C-DAC.

7.0 Limitation and warranties

- 7.1 Each party shall ensure that the other is not put to any liability for any act of the respective party.
- 7.2 Each party represents that it has the full power and authority to enter into this MoU..

8.0 Duration of MoU

This MoU shall be valid till 30th June, 2018, unless terminated as per the provisions of this MoU. It shall automatically expire on the date mentioned above.

This MoU may be renewed / extended as per mutually agreed norms, guidelines stipulated by both the parties from time to time and for such further period and on such terms & conditions as may be mutually agreed upon by both the parties in writing duly signed by both the Parties and subject to payment of all earlier dues.

9.0 Disputes and Jurisdiction

- 9.1 Disputes, if any between the two parties shall in the first place be settled by mutual negotiations between the person appointed by C-DAC and University and their decision shall be final and binding on both the parties.



9.2 A dispute or difference arising out of this MoU or in connection with this MoU or interpretation of this MoU (including this clause), if not resolved as mentioned in this MoU above shall be referred to the sole arbitration. The Director/Executive Director/Director General of C-DAC shall appoint the arbitrator. Both parties are aware and agree that the Arbitrator so appointed may be a person directly or indirectly connected with C-DAC and or its activity and do hereby agrees that it shall not challenge such appointment for any reason whatsoever. The Arbitration proceedings shall be held in Pune and the decision of the sole arbitrator shall be final and binding on both the parties. The Arbitration proceeding shall be in English language only. The Indian Arbitration ACT 1996 will apply for this purpose.

The parties hereby agree that Courts in Pune shall have exclusive jurisdiction to the exclusion of all other Courts and Forums who may have jurisdiction and shall be governed by laws of India. However, for any claim/action / demand made by any student / faculty / associate / supplier arising out of or in relation to course delivery, quality / teaching expertise / expression / manner of faculty, infrastructure & computing facilities and all other matters / issues / disputes except course material contents, University alone & not C-DAC shall be liable / responsible

10.0 Termination

Parties can terminate this MoU with or without any reasons, by prior 3 months written notice sent through registered post acknowledgement due to other party. However, parties shall complete their academic, administrative, financial and other responsibilities for on going courses even if notice of termination is given by one party to other.



11.0 Courses offered

Following courses of two years duration have been designed by C-DAC which will be conducted at University in first year and project work and colloquium / dissertation at C-DAC:

1. M.Tech programme in Computer Science and Engineering (High Performance Computing Solutions)
2. M.Tech programme in Information Technology (Wireless and Mobile Computing)
3. M.Tech programme in Electronics and Communication Engineering (VLSI and Embedded System Design)

In case of further requirements and understanding, new courses can be designed and delivered, by mutual consent of both the parties in writing, signed by both the Parties. Separate MoU may not be required for the purpose, if the other terms and conditions are exactly similar to this MoU.

12.0 Sharing of fees

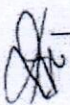
Sharing of fee between C-DAC ACTS, Pune and University shall be as follows:

University	:	40%
C-DAC ACTS	:	60%

University shall pay 100% payment to C-DAC within 15 days from the commencement date of M Tech Programmes.

The mode of payment will be in the form of Bank Demand Draft of any nationalized bank payable at Pune. Bank charges/commission will be borne and paid by University.

All Duties, Taxes/Levies, etc., if applicable shall be borne and paid by the University.



No deductions should be made at source or otherwise while making any payment to C-DAC ACTS, Pune.

13.0 Correspondence

E-mail correspondence should not be taken as substitute for any official signed hardcopy correspondence in all important documents such as but not limited to financial and performance related documents.

14.1 Intellectual Property:

UNIVERSITY specifically agrees that all the Intellectual Property Rights to and in the course content, course name, syllabus, methodology, assignment, question papers, website content, are and shall be the exclusive Intellectual property of C-DAC and UNIVERSITY shall not:

- a. Reproduce in any form, make any modifications, alterations therein or deletions therein
- b. Make any copies, permit or cause to permit to publish or cause to be published
- c. Circulate it to others not concerned or not provided for by this MoU or commercially exploits it,
- d. Mix or utilise it with the others courses of other party if same are permitted hereunder.
- e. Adopt, formulate any part /portion thereof, use any other trade mark or logo or trade name for it
- f. Do any such thing as would diminish or dilute the distinctiveness, validity, quality and standard of C-DAC ACTS to the detriment of the C-DAC's name and interest
- g. Prejudice its confidentiality
- h. Use / transfer / license / sublicense / copy / circulate / reproduce / distribute in violation/excess of permission given under this MoU, any



intellectual property arising out of or incidental to or related to this MoU signed between C-DAC and second party

14.0 Independent operations:

The parties to this contract are independent institutions and not the employee, representative or the agent of the other. None of the party has the power to bind or commit the other party for any obligation, liability, the other incurs and hereby agrees to indemnify and keep saved and indemnified the other from the same.

15.0 Force Majeure:

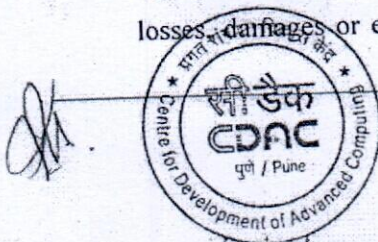
Neither party to this MoU shall be liable to the other party for any delay or failure on its part in performing any of its obligations under this MoU resulting from any cause beyond its reasonable control, including but not limiting to strikes, riots, civil commotion, or other concerted actions of Workmen, material shortages, fire, floods, explosions, acts of God, acts of state, war, enemy action or terrorist action etc.

16.0 Use of C-DAC's trademark and logo:

UNIVERSITY may use C-DAC's or C-DAC ACTS's name only for the purpose of identifying the C-DAC training activity and shall not use, or be entitled to use, C-DAC's or C-DAC ACTS's name, trademarks, logos, trade name or any other intellectual property in any other way without the prior written consent or as may be authorized under a separate written consent. Upon termination by efflux of time, or prior determination thereof as provided for herein, of this MoU UNIVERSITY shall immediately stop using C-DAC's or C-DAC ACTS's name, trademarks, trade name and logos, etc. as also the C-DAC ACTS's educational and training material.

17.0 Indemnity:

UNIVERSITY agrees to indemnify and keep indemnified C-DAC, its representatives, agents, employees, successors and assigns harmless against all losses, damages or expenses of whatever form or nature, including, without



limitation, attorney's fees and costs and costs of appeals, whether direct or indirect, which they or any of them may sustain or incur as a result of any acts or omissions of UNIVERSITY or any of its representatives, agents or employees including but not limited to any breach of this MoU or otherwise in writing, or any violation thereof by UNIVERSITY of any applicable law, or regulation or order.

18.0 Modification:

No modification to this MoU, will be effective unless agreed to in writing by the Parties.

19.0 Severability:

If any provision of this MoU is determined to be invalid or unenforceable, it will be deemed to be modified to the minimum extent necessary to be valid and enforceable. If it cannot be so modified, it will be deleted and the deletion will not affect the validity or enforceability of any other provision.

20.0 Assignment:

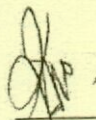
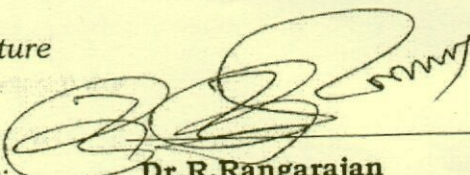
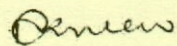
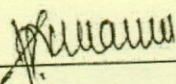
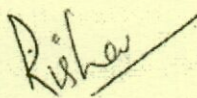
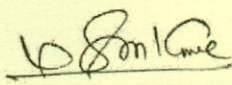
Neither Party may assign, delegate or otherwise deal with any of its rights or obligation under this MoU.

21.0 Entire MoU:

This MoU, sets forth the entire MoU and understanding of the Parties with respect to the subject matter hereof, and supersedes all prior oral and written MoUs, understandings, representations, conditions and all other communications relating thereto.



In witness whereof, this MOU has been executed by the authorized signatory of C-DAC on behalf of C-DAC and by the authorized signatory of the University on behalf of VelTech Dr. RR & Dr. SR Technical University on the date, month and year mentioned first herein above:

For and on behalf of	C-DAC, Pune	For and on behalf of	Vel Tech Dr. RR & Dr. SR Technical University
Signature		Signature	
Name:	C.M. Kulkarni	Name:	Dr. R. Rangarajan
Designation:	Joint Director, Admin.	Designation:	Founder Chancellor & President
WITNESSES		WITNESSES	
Signature		Signature	
Name:	Ashish P. Kuvelkar	Name:	Dr. P. Sarasu
Designation:	Associate Director & HOD	Designation:	Director R&D
Signature		Signature	
Name:	Risha PR	Name:	G. Sivakumar
Designation:	Manager (ACTS Training)	Designation:	Head - Industry Stream Programmes



Vel Tech

Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

Date: 10th Feb 2022

MOU signed with CDAC., Pune

MOU Number	MOU -15
Name of the Organization	M/s. Centre for Development for Advanced Computing, Pune
Date of signing of MoU	14.10.2009
Date of MoU Renewal (If any)	01.07.2014
Next renewal due on	30.06.2018
Objectives of MoU	To offer Joint Degree Programmes (M. Tech) in the areas like CSE, It, EST, VLSI, WNS, etc To offer Integrated DAC to B.Tech (CSE &IT) students, Faculty Training

Academic Year	No. of Students	Course	Location of the internship	Duration	Project/IPT
2016-17	11	M.Tech	CDAC Pune	06.07.2016-05.05.2017	Project

Dean Industry Relations & TBI

Dr. P. Chandrakumar
Dean
Industry Relations & TBI

Vel Tech
Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

MoU Coordinator

No.42, Avadi-Vel Tech Road, Vel Nagar,
Avadi, Chennai - 600 062, Tamil Nadu, India.
Landline : +91 44 2684 0262 / 2684 0605
Toll Free : 1800 212 7669
Email : registrar@veltech.edu.in
Website : www.veltech.edu.in



Vel Tech

Rangarajan Dr. Sagunthala
R&D Institute of Science and Technology
(Deemed to be University Estd. u/s 3 of UGC Act, 1956)

**CENTRE FOR DEVELOPMENT OF
ADVANCED COMPUTING, PUNE**

MOU – 15



प्रगत संगणन विकास केंद्र
CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

इलेक्ट्रॉनिक्स और सूचना प्रौद्योगिकी मंत्रालय की वैज्ञानिक समिति, भारत सरकार
A Scientific Society of the Ministry of Electronics & Information Technology, Government of India

सी डेक
CDAC

सी-डेक इनोवेशन पार्क,
सेन 34/B/1,
पंचवटी, पाणवत,
पुणे - 411008, महाराष्ट्र
C-DAC Innovation Park,
S. No. 34/B/1,
Panchavati Pashan,
Pune - 411008, India
फोन / टेल. +91-20-2550 3100
www.cdac.in

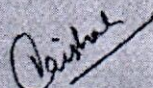
Bonafide Certificate

This is to certify that the project report entitled

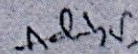
"Smart Secured Real Time Agriculture Monitoring System"

is the bonafide work of Mr. Bipin B Surode bearing VTP No.1638, Reg. No 15PEES3001, 2nd year of Master of Technology in Electronics and Communication Engineering (VLSI and Embedded System Design) from Vel Tech Dr.RR& Dr.SR University, Chennai and has successfully completed his Dissertation under our supervision in partial fulfilment of the requirements for M.Tech course during the academic year 2016-2017, at C-DAC, Pune.

Certified further, that to the best of my knowledge the work reported herein does not form part of any other project report or Dissertation on the basis of which a degree or award was conferred on an earlier occasion of this or any other candidate.



Ms. Vaishali Maheshkar
Course Co-ordinator
Senior Technical Officer
C-DAC ACTS, Pune



Mr. Aditya K. Sinha
Joint Director
C-DAC ACTS, Pune

HCL Career Development Centre
HCL Technologies (Authorized Business Partner)
Poonamman Complex,
No.52, Velachery Main Road,
Velachery, Chennai - 600 042
Ph: +91 44 4303 6263, Mobile: 93620 07007

Date: 19/05/2017

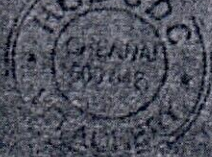
INTERNSHIP CERTIFICATE

This is to certify that **Mr.Dhivakar.G.K**, (Reg No: **15PEES3002**), Final year **M.Tech (ECE – VLSI & ES)** student of **Veltech Dr.RR Dr.SR University** has completed his Internship in our organization. He did the project entitled as **"Implementation of an Environmental Monitoring System for Smart City"** using **Embedded** platform under the guidance of our **Technical team**, during the period of **18th August 2016 to 10th May 2017**.

During the above period, his performance was good. We wish great success in all his future endeavours.

For HCL CDC, VELACHERY

Authorized Signatory



प्रगत संगणन विकास केंद्र
CENTRE FOR DEVELOPMENT OF ADVANCED COMPUTING

इलेक्ट्रॉनिक्स और सूचना प्रौद्योगिकी विभाग की वैज्ञानिक सोसाइटी, भारत सरकार
A Scientific Society of the Ministry of Electronics & Information Technology, Government of India

सी डैक
CDAC

सी-डैक इन्वोल्यूशन पार्क,
प्लॉट 34/B/1,
पंचरावली, पाशान,
पुणे - 411008, महाराष्ट्र
C-DAC Innovation Park,
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Pancharavli, Pashan,
Pune - 411008, India
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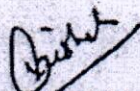
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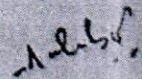
"Interfacing and Testing of DNP3 Protocol into an Embedded Based IED"

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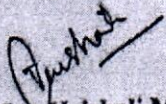
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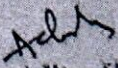
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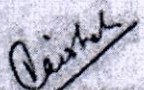
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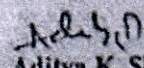
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"Implementation Of Industrial Monitoring System For smart Factory Using IOT"

is the bonafide work of Mr.R.Mohanraj bearing VTP NO.1630, 2nd year of Master of Technology in Electronics and Communication Engineering from Vellore University, Chennai and has successfully completed his Dissertation under our supervision in partial fulfilment of the requirements for M.Tech course during the academic year 2016-2017, at C-DAC, Pune.

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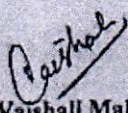
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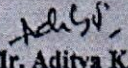
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"Smart Office Automation"

is the bonafide work of Mr. Rahul Kumar bearing VTP NO.1557, Reg. No. 15PEES3008, 2nd year of Master of Technology in Electronics and Communication Engineering from Veltech University, Chennai and has successfully completed his Dissertation under our supervision in partial fulfilment of the requirements for M.Tech course during the academic year 2016-2017, at C-DAC, Pune.

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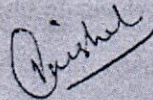
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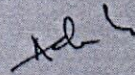
"Smart PI : Energy Efficient Domotics"

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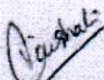
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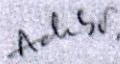
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"Big Data Security via Cloud computing"

Is the bonafide work of Miss Bhagyashree Babasaheb Baladhye bearing VTP NO.1646, Reg. No. 15PECS3001, 2nd year of Master of Technology in Computer Science Engineering from Veltech University, Chennai and has successfully completed her Dissertation under our supervision in partial fulfilment of the requirements for M.Tech course during the academic year 2016-2017, at C-DAC, Pune.

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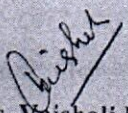
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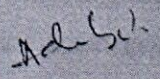
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"Optimize Image Processing by using the Convolutional Neural Network and OpenMP-MPI"

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"Parallelization of Backpropagation Algorithm using OpenMP"

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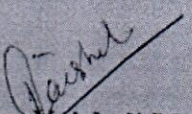
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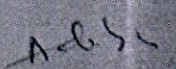
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"Twitter Sentiment Analysis Using R "

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