VEMU INSTITUTE OF TECHNOLOGY

P.Kothakota, Chittoor District -517112

MOU

Serial No:20947 Denomination: 10 Date:26-03-2018 Stamp S. no 91AA 560679

Purchased By :
DR KVNV RAO

For **SELF**

ఆంధ్ర ప్రదేశ్ आंध्र प्रदेश ANDHRA PRADESH 91AA 560679

Sub Registrar
Ex. Offico Stamp Vendor
SRO Chittoor(R.O)

KOTHAKOTA

PANTECH SOLUTIONS®
Technology Beyond The Dreams

PANTECH ProEdPvt Ltd.,
No. 26, II Floor, Kota Sreenivasava Charities,
RamanujaKudam Buildings,
Duraiswamy Road, Canara Bank
T.Nagar, Chennai – 600 017.
Phone No.: 044-42606450/70,
www.pantechsolutions.net

VEMU INSTITUTE OF TECHNOLOGY
Chittoor – Tirupati Highway,
P. Kothakota, Near Pakala
Chittoor Dist. A.P-517 112.
Phone: +91-8886661149
www.vemu.org

Date: 26.03.2018

MEMORANDUM OF UNDERSTANDING (MOUs)

PURPOSE: The purpose of this Memorandum of Understanding (MOU) is to promote exchange of views on Engineering and Technological issues of common concern and activities of mutual benefit. Thus MOU sets forth procedures of corresponding cooperation, which will assist each other in meeting their responsibilities in promoting quality education and better services.

PROFILE OF VEMU INSTITUTE OF TECHNOLOGY (VEMU IT), P.KOTHAKOTA:

Vemu Institute of Technology, P. Kothakota (VEMU IT) was started during 2008-2009 in

harmony with the aims and aspirations of Vemu Society. One of the primary objectives of Vemu society is "To Spread Education at all levels starting from primary education right up to the University level." The trust is founded by Dr. K. Chandrasekar Naidu, who is also a chairman of the Governing Council of the institute. Not concentrating or centralizing on the latest developments in science and Technology but also the need for the qualified man power in the identified thrust areas CSE, ECE, EEE, Mechanical and Civil courses are offered in entire 4 years of B.Tech at U.G level and MBA is offered at PG level. The ECE has also started offering M.Tech program in VLSI Design and Embedded Systems.

The college is engaged by highly qualified and experienced teaching staff. The college is equipped with the state of art computer center with the Internet facility, well-furnished classrooms, well-equipped laboratories, well-stocked library and adequate audio-visual aids. The college facilating a training and placement cell, industry-institute interaction cell, Departmental associations, Alumni associations, NSS unit, and student counseling system. The college is maintaining well-furnished hostels for boys and girls in the campus, sports facilities and own transportation facilities.

PROFILE OF PANTECH SOLUTIONS:

Pantech Solutions is a Chennai, India based Technology Company which provides, services and training to professional students, the company has high-level expertise in cutting edge technologies including embedded software development, real time systems, and PLC based factory and building automations. Pantech Solutions has branches at Hyderabad, Coimbatore, and Madhurai. Pantech offers comprehensive engineering solutions based on embedded platform and PC has developed several embedded application which are used in areas such as factory and building automations, migration and porting to different hardware and software platforms.

Pantech Solutions is an island of learning, where knowledge meets curiosity. It has been setting new bench marks in engineering education. Nestled in prime location in the heart of the Chennai city, Pantech Solutions believes in empowering students and faculty with knowledge, creativity and freedom to ensure that learning is fun.

Pantech Solutions partnering engineering education by conducting industry institute

interaction programs in various engineering colleges in Andhra Pradesh.

Pantech equipped with world-class state of art laboratory to conduct various training programs for engineering faculty and students in advanced domains. Pantech Solutions offers Real time Industrial Live Projects for B.Tech, M.Tech ECE.

SERVICES:

Pantech Solutions accept R&D jobs from various industries for which services of students from engineering institutions are availed, which also forge closer interaction between industries and institutions. Pantech Solutions also offer support to engineering institutions in the following areas.

- In plant training/Industrial visit
- Workshops for Students
- Project consultancy
- Guest lectures in various areas of engineering
- Awareness programs in the areas of Electrical Engg, Electronics & DSP, VLSI, Instrumentation, Robotics, Mechatronics & Industrial application of computers.
- Co-ordinate with eminent personalities from industry for Project discussions

Pantech Solutions offers seminars, industrial projects and workshops on the following areas.

- Embedded controllers
- VLSI Design
- DSP

COMMON INTEREST AND AGREEMENT:

After studying their strengths and objectives, VEMU IT and PANTECH SOLUTIONS agreed that they can share the expertise available at both ends for mutual benefits in the fields of education, training, scientific and industrial research and enter into anMoU. This MoU is applicable to the students and faculty of the ECE, VEMU IT and Pantech Solutions.

MEMORANDUM OF UNDERSTANDING BETWEEN VEMU IT AND PANTECH SOLUTIONS:

The VEMU IT and PANTECH SOLUTIONS agree to share information of mutual concern

and interest in the following areas.

1. Industrial training/ Internship for students and faculty of VEMU IT by the Engineers of PANTECH SOLUTIONS.
2. Organizing Work Shop/PDP/FDP for VEMU IT Staff by PANTECH SOLUTIONS Engineers.
3. Under Graduates and Post Graduate Students project work carried out at Company site.
4. Exchange of experts for organization and participation in joint
5. Innovation oriented projects and partnerships
6. Short – term activities of mutual interest including technical consultancy
7. Long – term development programme on topics of mutual interest

The responsibilities of the VEMU IT and PANTECH SOLUTIONS under this MoU are detailed below:

- The VEMU ITand PANTECH SOLUTIONS shall extend each other's facilities such as Computers Software, workshops sophisticated equipments, instruments etc, and library facilities according to rules and regulations of each parties as per the conditions laid down by the parties.
- Exchange programme enabling the faculty of VEMU IT to work for short periods in PANTECH SOLUTIONS laboratories and the Engineers of Pantech Solutions to serve as visiting faculty to guide in the development programs of mutual interest and conduct of intensive courses.
- Design and Development of curriculum in new areas of Engineering & Technology, particularly with short and long term courses which will be beneficial to the faculty of VEMU IT and PANTECH SOLUTIONS.
- Any joint research work can be made in publications and shall be in the name of VEMU IT and participating Engineers of PANTECH SOLUTIONS and with due acknowledgements to the source of support/sponsors.
- The PANTECH SOLUTIONS will involve in final year project works, by helping to overcome the difficulties in procuring the components, designing and extending any other facilities to finish up the project work.
- The Engineers from PANTECH SOLUTIONS will deliver special Lectures on the current

development, which will be very useful for faculty and students to update their knowledge.

STANDING COMMITTEE:

To facilitate the implementation of this agreement, each party shall designate a liaison officer to serve on a standing committee. The standing committee will meet as and when required. Matters for consideration by the standing committee are to include a review of each party's participation in this agreement, an assessment of the agreement's effectiveness, and modification that might be necessary. As appropriate, the committee will address the urgent issues and specific cases of serious non – compliance.

PERIOD AGREEMENT:

This agreement becomes effective on the date of signature and continues for 6 years. It may be modified by mutual consent of both the parties. The agreement may be terminated by any party upon 45 days advance written notice to the other party.

ACCEPTANCE AND APPROVAL OF AUTHORIZING OFFICIALS:

In witness where of the undersigned, duly authorized there to, have signed this Memorandum of Understanding on 26/03/2018.

Dr. K. V. N. V. N. Rao,
Principal,
Vemu Institute of Technology,

VEMU INSTITUTE OF TECHNOLOGY ★ P. Kothakota ★

Sri. V. Jeevanandhan,
Managing Director,
Pantech Solutions Pvt. Ltd.

Pantech solutions Pvt. Ltd. ★ Chennai ★ 600017

VEMU INSTITUTE OF TECHNOLOGY
P.Kothakota, Chittoor District -517112

Assistance for B.Tech Project

25.04.2022 to 28.05 2022

VEMU INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi, Permanently Affiliated to JNTUA
Accredited by NAAC, Recognized Under 2(f) &12(B) of UGC Act.
An ISO 9001:2015 Certified Institute)

VEMU
IT

Ref.: VEMU/ECE/Project Work/2021-2022/SEM-II/1

Date: 01.04.2022

From

The Head of Department,
Department of ECE,
VEMU Institute of Technology,
P. Kothakota-517112.

To

The Managing Director
Pantech Solutions
T.Nagar,
Chennai – 600 017.

Dear Sir,

Subject: Requisition for Project Work Assistance - reg.

As a part of MOU, a discussion has been regarding the project work for final year ECE students in the academic year (2021-22). In this regard we wish to inform you that our ECE students would like to do the project work under your guidance in your esteemed organization from 25.04.2022 to 28.05.2022. Kindly request you to please confirm your acceptance for further process.

In this letter, I herewith enclose project batch details for your kind information.

Thanking you,

Yours faithfully,

HOD-ECE

HEAD
DEPARTMENT OF ECE
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

Enclosure: List of Students Project Batch

P.Kothakota, Tirupathi-Chittoor Highway, Near Pakala, Chittoor-517112, Andhra Pradesh, India
Fax: 08572-278725 Website: www.vemu.org Email: vemupat@gmail.com
Mob: 9440790850, 8886661149

PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

VEMU INSTITUTE OF TECHNOLOGY

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Accredited by NAAC, Recognized Under 2(f) &12(B) of UGC Act.
An ISO 9001:2015 Certified Institute)

VEMU IT

Date: 01-04-2022.

The following student's project batches are allotted to do project work at your esteemed organization.

S. No.	Batch No.	ROLL NUMBER	STUDENT NAME
1.	B10	184M1A04A8	T YAMUNA
		184M1A04A6	T RACHANA
		184M1A04A9	UYYALA PRAVALLIKA
		164M1A0402	A DINESH
2.	B13	184M1A0469	N BHARGAVI
		184M1A0468	N NIRUPA
		184M1A0463	M CHASMIN
		184M1A04B1	V VAMSI

HOD-ECE

HEAD
DEPARTMENT OF ECE
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

P.Kothakota, Tirupathi-Chittoor Highway, Near Pakala, Chittoor-517112, Andhra Pradesh, India
Fax: 08572-278725 Website: www.vemu.org Email: vemupat@gmail.com
Mob: 9440790850, 8886661149

PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

PANTECH SOLUTIONS
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PANTECH ProEd Pvt Ltd., No. 26, II Floor, Duraiswamy Road, Canara Bank, T.Nagar,
Chennai – 600 017. Phone No.: 044-42606450/70, www.pantechsolutions.net

Our Ref: PANTECH/2021-2022/Project Work/01 10.04.2022

To

The Head of Department,
Department of ECE,
VEMU Institute of Technology,
P.Kothakota,
Chittoor (District)-517112,
Andhra Pradesh.

Dear Sir,

Subject: Acceptance for Project Work Assistance–Reg.

Ref: VEMU /ECE/2021-22/Project Work/SEM-II/01, Letter dated on 01.04.2022

With reference to the letter cited above, we have confirmed the acceptance of project work of your final year ECE students for this academic year 2021-2022 as a part of MOU.

Kindly send your allotted project batch students to our institution as mentioned in the letter dated on 01.04.2022. We will assist and guide your students in their respective domain and complete the project work as per our scheduled dates.

I am looking forward to your support sir.

Thanking you,

For Pantech Prolabs India Pvt Ltd.,
(Authorized Signature)

Pantech solutions Pvt. Ltd. chennai 600017

K.PREMKUMAR
Project Manager.
(+91 72000 81081)

PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

VEMUIT

hodece vemu <hodece@vemu.org>

Acceptance for Project Work Assistance-REG.

1 message

Pantech Solution < jeevanandhan@pantechsolution.net > Sun, Apr 10, 2022 at 12:45 PM
To: hodece@vemu.org

Dear Sir,

As a part of MOU, we have confirmed the acceptance of project work assistance for the academic year 2020-2021. In this regard, attached acceptance letter for your reference.

Thanking You,

K.Premkumar
PROJECT MANAGER
Pantech Prolabs India Pvt. Ltd
T.Nagar,Chennai-600 017.

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PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

VEMUIT

hodece vemu <hodece@vemu.org>

Requisition of Final Year Project Work Assistance-Reg.

1 message

hodece vemu <hodece@vemu.org>
To: jeevanandhan@pantechsolutions.net

Fri, Apr 1, 2022 at 10:52 AM

Dear Sir,

As a part of MOU, we had already discussed final year project work assistance for the academic year 2021-2022. In this regard, attached scanned copy of requisition letter and project batch students list in this mail for your kind information and further process. Kindly request you to follow up for the same.

Thanking You

--
With regards
Dr. S. Muni Rathnam,
Professor & HOD-ECE,
Vemu Institute of Technology,
P. Kothakota, Chittoor - Tirupati Road,
Chittoor, A.P-517 112.
Mobile No.: +91-8886661104.

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VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

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PANTECH ProEd Pvt Ltd., No. 26, II Floor, Duraiswamy Road, Canara Bank, T.Nagar,
Chennai - 600 017. Phone No.: 044-42606450/70, www.pantechsolutions.net

Date: 29.05.2022

PROJECT COMPLETION CERTIFICATE

This is to certify that **Ms. T YAMUNA (184M1A04A8), Ms. T RACHANA (184M1A04A6), Ms. U PRAVALLIKA (184M1A04A9), and Mr. A DINESH (164M1A0402)** Who are perusing Final year B. Tech in E.C.E at VEMU INSTITUTE OF TECHNOLOGY, P.KOTHAKOTA have successfully completed their project on **"IOT BASED RAILWAY TRACK RIVE DETECTOR USING TROLLEY"** in our concern.

Duration: **25.04.2022 to 28.05.2022**

Pantech Solutions Pvt. Ltd. Chennai 600017

For Pantech Prolabs India Pvt Ltd.,
(Authorized Signature)

K.PREMKUMAR
Project Manager.
(+91 72000 81081)

PRINCIPAL
VEMU INSTITUTE OF TECHNOLOG
P. KOTHAKOTA - 517 112

B10

PANTECH SOLUTIONS
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Chennai – 600 017. Phone No.: 044-42606450/70, www.pantechsolutions.net

Date: 29.05.2022

PROJECT COMPLETION CERTIFICATE

This is to certify that **Ms. N BHARGAVI (184M1A0469), Ms. N NIRUPA (184M1A0468), Ms. M CHASMIN (184M1A0463), and Mr. V VAMSI (184M1A04B1)** Who are perusing Final year B. Tech in E.C.E at VEMU INSTITUTE OF TECHNOLOGY, P.KOTHAKOTA have successfully completed their project on **"IOT BASED SMART HEALTH TELEMETRY SYSTEM USING ARDUINO UNO"** in our concern.

Duration: **25.04.2022 to 28.05.2022**

For Pantech Prolabs India Pvt Ltd.,
(Authorized Signature)

K.PREMKUMAR
Project Manager.
(+91 72000 81081)

Pantech Solutions Pvt. Ltd. Chennai 600017

PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

VEMU INSTITUTE OF TECHNOLOGY
P.Kothakota, Chittoor District -517112

Assistance for B.Tech Project

05.05.2021 to 08.06 2021

VEMU INSTITUTE OF TECHNOLOGY

(Approved by AICTE, New Delhi, Permanently Affiliated to JNTUA
Accredited by NAAC, Recognized Under 2(f) &12(B) of UGC Act.
An ISO 9001:2015 Certified Institute)

VEMU IT

Ref.: VEMU/ECE/Project Work/2020-2021/SEM-II/1 Date: 01.04.2021

From

The Head of Department,
Department of ECE,
VEMU Institute of Technology,
P. Kothakota-517112.

To

The Managing Director
Pantech Solutions
T.Nagar,
Chennai – 600 017.

Dear Sir,

Subject: Requisition for Project Work Assistance - reg.

As a part of MOU, a discussion has been regarding the project work for final year ECE students in the academic year (2020-21). In this regard we wish to inform you that our ECE students would like to do the project work under your guidance in your esteemed organization from 05.05.2021 to 07.07.2021. Kindly request you to please confirm your acceptance for further process.

In this letter, I herewith enclose project batch details for your kind information.

Thanking you,

Yours faithfully,

HOD-ECE

HEAD
DEPARTMENT OF ECE
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

DEPARTMENT OF ECE VEMU

Enclosure: List of Students Project Batch

P.Kothakota, Tirupathi-Chittoor Highway, Near Pakala, Chittoor-517112, Andhra Pradesh, India
Fax: 08572-278725 Website: www.vemu.org Email: vemupat@gmail.com
Mob: 9440790860, 8886666150

PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

Date: 01-04-2021.

The following student's project batches are allotted to do project work at your esteemed organization.

S. No.	Batch No.	ROLL NUMBER	STUDENT NAME
1.	A12	174M1A0427	G JAHNAVI
		174M1A0428	G R GAYATHRI
		174M1A0436	JADAPALLE MALINI
		174M1A0420	CHENNURU GANGADHAR REDDY
2.	B8	174M1A04B1	V SAMREEN
		174M1A04B3	VADLA JOSHNA
		174M1A0495	SANKAR BHARATH
		174M1A0484	S JOICE VICTORIYA

HOD-ECE

HEAD
DEPARTMENT OF ECE
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

VEMUIT

hodece vemu <hodece@vemu.org>

Requisition of Final Year Project Work Assistance-Reg.

1 message

hodece vemu <hodece@vemu.org>
To: pantechsolutionschennai2004@gmail.com

Mon, Aug 9, 2021 at 10:52 AM

Dear Sir,

As a part of MOU, we had already discussed final year project work assistance for the academic year 2020-2021. In this regard, attached scanned copy of requisition letter and project batch students list in this mail for your kind information and further process. Kindly request you to follow up for the same.

Thanking You

–
With regards
Dr. S. Muni Rathnam,
Professor & HOD-ECE,
Vemu Institute of Technology,
P. Kothakota, Chittoor - Tirupati Road,
Chittoor, A.P-517 112.
Mobile No.: +91-8886661104.

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Chennai – 600 017. Phone No.: 044-42606450/70, www.pantechsolutions.net

Our Ref: PANTECH/2020-2021/Project Work/01 10.04.2021

To

The Head of Department,
Department of ECE,
VEMU Institute of Technology,
P.Kothakota,
Chittoor (District)-517112,
Andhra Pradesh.

Dear Sir,

Subject: Acceptance for Project Work Assistance–Reg.

Ref: VEMU /ECE/2020-21/Project work/SEM-II/01, Letter dated on 01.04.2021

With reference to the letter cited above, we have confirmed the acceptance of project work of your final year ECE students for this academic year 2020-2021 as a part of MOU.

Kindly send your allotted project batch students to our institution as mentioned in the letter dated on 01.04.2021. We will assist and guide your students in their respective domain and complete the project work as per our scheduled dates.

I am looking forward to your support sir.

Thanking you,

For Pantech Prolabs India Pvt Ltd.,
(Authorized Signature)

pantech solutions Pvt. Ltd. chennai 600017

K.PREMKUMAR
Project Manager.
(+91 72000 81081)

PRINCIPAL
VEMU INSTITUTE OF TECHNOLOG
P. KOTHAKOTA - 517 112

VEMUIT

hodece vemu <hodece@vemu.org>

Acceptance for Project Work Assistance-REG.

1 message

Pantech Solution < jeevanandhan@pantechsolution.net >
To: hodece@vemu.org

Sat, Apr 10, 2021 at 12:35 PM

Dear Sir,

As a part of MOU, we have confirmed the acceptance of project work assistance for the academic year 2020-2021. In this regard, attached acceptance letter for your reference.

Thanking You,

K.Premkumar
PROJECT MANAGER
Pantech Prolabs India Pvt. Ltd
T.Nagar,Chennai-600 017.

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54K

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VEMU INSTITUTE OF TECHNOLOGY
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Chennai – 600 017. Phone No.: 044-42606450/70, www.pantechsolutions.net

Date: 08.07.2021

PROJECT COMPLETION CERTIFICATE

This is to certify that **Ms. G JAHNAVI (174M1A0427), Ms. G R GAYATHRI (174M1028), Ms. J MALINI (174M1A0436), and Mr. C GANGADHAR REDDY (174M1A0420)** Who are perusing Final year B. Tech in E.C.E at VEMU INSTITUTE OF TECHNOLOGY, P.KOTHAKOTA have successfully completed their project on **"ROUGH SET-SUPPORT VECTOR MACHINE CLASSIFIER MODEL FOR FIRE DETECTION USING IMAGES"** in our concern.

Duration: **05.05.2021 to 07.07.2021**

For PANTECH SOLUTIONS

Pantech solutions Pvt. Ltd. chennai 600017

Manager

PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

PANTECH SOLUTIONS®
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PANTECH ProEd Pvt Ltd., No. 26, II Floor, Duraiswamy Road, Canara Bank, T.Nagar,
Chennai – 600 017. Phone No.: 044-42606460/70, www.pantechsolutions.net

Date: 08.07.2021

PROJECT COMPLETION CERTIFICATE

This is to certify that **Ms. V. SAMREEN (174M1A04B1), Mr. S. BHARATH (174M1A0495), Ms. V. JOSHNA (174M1A04B3) and Ms. S JOICE VICTORIYA (174M1A0484)** Who are perusing Final year B. Tech in E.C.E at VEMU INSTITUTE OF TECHNOLOGY, P.KOTHAKOTA have successfully completed their project on **"MEDICAL IMAGE FUSION USING NON SUB-SAMPLED SHEARLET TRANSFORM TECHNIQUE"** in our concern.

Duration: **05.05.2021 to 07.07.2021**

For PANTECH SOLUTIONS

Pantech solutions Pvt. Ltd. chennai 600017

Manager

PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

VEMU INSTITUTE OF TECHNOLOGY

P.Kothakota, Chittoor District -517112

Assistance for

B.Tech Project

05.02.20 to 11.03.20

PANTECH SOLUTIONS®
Challenge Beyond The Dreams

PANTECH ProEd Pvt Ltd. No. 26, II Floor, Duraiswamy Road, Canara Bank, T.Nagar, Chennai – 600 017. Phone No.: 044-42606450/70,www.pantechsolutions.net

Date: 12.03.2020

PROJECT COMPLETION CERTIFICATE

This is to certify that **Ms. V.MANASA (164M1A04B3), Ms.P.CHANDANA (164M1A0482), *Ms. U.NARMADA (164M1A04A9), and Mr. N.SARATH CHANDRA VARAPRASAD*(164M1A0464)** Who are pursuing Final year B. Tech in E.C.E at Vemu Institute of Technology College, P.Kothakota have successfully completed their project on **"A HIGH-SPEED BLOCK BASED NEW APPROXIMATE ADDER WITH CARRY SPECULATION"** in our concern.

Duration: **05.02.2020 to 11.03.2020**

For PANTECH SOLUTIONS

pantech solutions Pvt Ltd. chennai 600017

Manager

PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

PANTECH SOLUTIONS®
Technology Beyond The Dreams
PANTECH ProEd Pvt Ltd., No. 26, II Floor, Duraiswamy Road, Canara Bank, T.Nagar,
Chennai – 600 017. Phone No.: 044-42606450/70, www.pantechsolutions.net

Date: 13.03.2020

PROJECT COMPLETION CERTIFICATE

This is to certify that **Ms. A.DEVIKA (174M5A0401), Mr. B.M.RAMPRASAD (164M1A0407), Ms. K.RAJYALAKSHMI (164M1A0445)and Ms. G.DIVYA(164M1A0432)** Who are perusing Final year B. Tech in E.C.E at **VEMU INSTITUTE OF TECHNOLOGY, P.kothakota** have successfully completed their project on **"GATE DIFFUSION INPUT (GDI) BASED VEDIC MULTIPLIER ARCHITECTURE FOR AREA AND POWER OPTIMIZATION"** in our concern.

Duration: **05.02.2020 to 11.03.2020**

For PANTECH SOLUTIONS

Pantech solutions Pvt. Ltd. chennai 600017

Manager

PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

PANTECH SOLUTIONS®
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PANTECH ProEd Pvt Ltd., No. 26, II Floor, Duraiswamy Road, Canara Bank, T.Nagar, Chennai – 600 017.
Phone No.: 044-42606450/70, www.pantechsolutions.net

Date: 13.03.2020

PROJECT COMPLETION CERTIFICATE

This is to certify that Ms.D.PRIYANKA (164M1A0418), Mr.A.RAJESH (164M1A0404), Ms. K.VYSHNAVI (164M1A0448) Ms.N.E.SRAVANI (174M5A0405) and Ms.G. SHABREEN BEGUM (164M1A0434) who are perusing Final year **B. Tech** in **Electronics and Communication Engineering** at **VEMU INSTITUTE OF TECHNOLOGY, P. KOTHAKOTA** have successfully completed their project on "Automatic Library System Using Robotic ARM" in our concern.

Duration: 05.02.2020 to 11.03.2020

For PANTECH SOLUTIONS

Manager

Pantech solutions Pvt. Ltd. chennai 600017

PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

VEMU INSTITUTE OF TECHNOLOGY

P.Kothakota, Chittoor District -517112

Internship on

"IoT using ARDUINO"

12/12/19 to 26/12/19

VEMU INSTITUTE OF TECHNOLOGY

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An ISO 9001:2015 Certified Institute

VEMU IT

Ref.: VEMU/ECE/INTERNSHIP/2019-2020/SEM-I/2 Date: 02-12-2019

From
Dr. Naveen Kilari,
Principal,
VEMU Institute of Technology,
P. Kothakota

To
The Manager,
Pantech Solutions,
Chennai.

Respected Sir,

Sub: Request for granting permission for Internship Program – III Year B.Tech (ECE) Student – regarding.

The VEMU Institute of Technology, Chittoor is established in the year 2008 in Chittoor (Dist), A.P. We offer B.Tech (Civil, CSE, EEE, ECE and Mechanical), MBA and M.Tech (EEE, ECE, CSE, and Mechanical) at our institution. We Impart Quality Engineering Education to the students through theory and practice. In this regard, we are requesting you to provide **Internship program** for our students in your esteemed organization.

We assure you that our student will abide by the rules and regulations of your organization. We are expecting a positive response from your side.

Thanking you Sir,

Yours faithfully,

PRINCIPAL
PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA- 517 112

Enclosure: List of Students

P.Kothakota, Tirupathi-Chittoor Highway, Near Pakala, Chittoor-517112, Andhra Pradesh, India
Fax: 08572-278725 Website: www.vemu.org Email:vemupat@gmail.com
Mob: 9440790850, 88866661150

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P. KOTHAKOTA - 517 112

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An ISO 9001:2015 Certified Institute

VEMU IT

Date: 02-12-2019

The following students are interested to do internship at your esteemed organization.

S.No	Branch	Roll No	Name of student
1	ECE	174M1A0402	Ms. A. MOUNIKA
2	ECE	174M1A0418	Ms. C. YAMINI
3	ECE	174M1A0425	Ms. G.B.VISHNUPRIYA
4	ECE	174M1A0432	Mr. G. PARTHASARATHY REDDY
5	ECE	174M1A0440	Ms. K. SWARNA

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P. KOTHAKOTA - 517 112

P.Kothakota, Tirupathi-Chittoor Highway, Near Pakala, Chittoor-517112, Andhra Pradesh, India
Fax: 08572-278725 Website: www.vemu.org Email:vemupat@gmail.com
Mob: 9440790850, 8886661150

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Phone No.: 044-42606450/70, www.pantechsolutions.net

Ref.: Pantech/Internship/2019/05 Date: 07-12-2019

To
The Principal,
VEMU Institute of Technology,
P. Kothakota,
Chittoor Dist - 517112.

Respected Sir,

Sub: Acceptance for Internship Program at Pantech Solutions – Reg.

Ref.: VEMU/ECE/INTERNSHIP/2019-2020/SEM-I/2, Dated on 02-12-2019.

In response to the above cited reference, the Manager is pleased to inform you that the permission is granted for following students to undergo an Internship program on **"IoT using ARDUINO"** between to **12-12-2019 26-12-2019** in our organization.

S.No	Branch	Roll No	Name of the student
1.	ECE	174M1A0402	Ms. A. MOUNIKA
2.	ECE	174M1A0418	Ms. C. YAMINI
3.	ECE	174M1A0425	Ms. G.B.VISHNUPRIYA
4.	ECE	174M1A0432	Mr. G. PARTHASARATHY REDDY
5.	ECE	174M1A0440	Ms. K. SWARNA

Thanking you sir,

Manager,
Pantech Solutions.

Pantech Solutions Pvt. Ltd. chennai 600017

http://www.pantechsolutions.net

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Phone No.: 044-42606450/70, www.pantechsolutions.net

Ref.: Pantech/Internship/2019/05 Date: 07-12-2019

To
The Principal,
VEMU Institute of Technology,
P. Kothakota,
Chittoor Dist - 517112.

Respected Sir,

Sub: Acceptance for Internship Program at Pantech Solutions – Reg.

Ref.: VEMU/ECE/INTERNSHIP/2019-2020/SEM-I/2, Dated on 02-12-2019.

In response to the above cited reference, the Manager is pleased to inform you that the permission is granted for following students to undergo an Internship program on **"IoT using ARDUINO"** between to **12-12-2019 26-12-2019** in our organization.

S.No	Branch	Roll No	Name of the student
1.	ECE	174M1A0402	Ms. A. MOUNIKA
2.	ECE	174M1A0418	Ms. C. YAMINI
3.	ECE	174M1A0425	Ms. G.B.VISHNUPRIYA
4.	ECE	174M1A0432	Mr. G. PARTHASARATHY REDDY
5.	ECE	174M1A0440	Ms. K. SWARNA

Thanking you sir,

Manager,
Pantech Solutions.

Pantech solutions Pvt. Ltd. chennai 600017

http://www.pantechsolutions.net

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Phone No.: 044-42606450/70, www.pantechsolutions.net

Date: 26.12.2019

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that **Ms. C. YAMINI (174M1A0418)** is perusing III year B. Tech in ECE at **VEMU Institute of Technology,** P.Kothakota has successfully completed their Internship on **"IoT Using ARDUINO"** in our concern.

Duration: **12-12-2019 to 26-12-2019.**

Pantech solutions Pvt. Ltd. chennai 600017

Manager,
Pantech Solutions.

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Phone No.: 044-42606450/70, www.pantechsolutions.net

Date: 26.12.2019

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that **Ms. G.B. VISHNUPRIYA (1764M1A0425)** is pursing III year B. Tech in ECE at **VEMU Institute of Technology,** P.Kothakota has successfully completed Internship on **"IoT Using ARDUINO"** in our concern.

Duration: **12-12-2019 to 26-12-2019.**

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Manager,
Pantech Solutions.

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Phone No.: 044-42606450/70, www.pantechsolutions.net

Date: 26.12.2019

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that **Ms. A. MOUNIKA (174M1A0402)** is pursing III year B. Tech in ECE at **VEMU Institute of Technology,** P.Kothakota has successfully completed their Internship on **"IoT Using ARDUINO"** in our concern.

Duration: **12-12-2019 to 26-12-2019.**

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Manager,
Pantech Solutions.

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Phone No.: 044-42606450/70, www.pantechsolutions.net

Date: 26.12.2019

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that **Mr. G. PARTHASARATHY REDDY (174M1A0432)** is perusing III year B. Tech in ECE at **VEMU Institute of Technology,** P.Kothakota has successfully completed their Internship on **"IOT Using Arduino"** in our concern.

Duration: **12-12-2019 to 26-12-2019.**

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Manager,
Pantech Solutions.

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Phone No.: 044-42606450/70, www.pantechsolutions.net

Date: 26.12.2019

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that **Ms. K. SWARNA (174M1A0440)** is perusing III year B. Tech in ECE at **VEMU Institute of Technology,** P.Kothakota has successfully completed their Internship on **"IoT Using ARDUINO"** in our concern.

Duration: **12-12-2019 to 26-12-2019.**

Pantech solutions Pvt. Ltd. Chennai 600017

Manager,
Pantech Solutions.

PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

VEMU INSTITUTE OF TECHNOLOGY

P.Kothakota, Chittoor District -517112

Internship on

"IoT using ARDUINO"

03.06.19 to 25.06.19

VEMU INSTITUTE OF TECHNOLOGY

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Ref.: VEMU/ECE/INTERNSHIP/2018-2019/SEM-II/2 Date: 05-04-2019

From
Dr. T. Chandra Sekhar Rao,
Principal,
VEMU Institute of Technology,
Chittoor.

To
HR Manager,
T.Nagar,
Chennai - 600017.

Respected Sir,

Sub: Request for granting permission for Internship Program – III Year B.Tech (ECE) Student – regarding.

The VEMU Institute of Technology, Chittoor is established in the year 2008 in Chittoor (Dist), A.P. We offer B.Tech (Civil, CSE, EEE, ECE and Mechanical), MBA and M.Tech (EEE, ECE, CSE, and Mechanical) at our institution. We Impart Quality Engineering Education to the students through theory and practice. In this regard, we are requesting you to provide ***Internship Program*** for our students in your esteemed organization.

We assure you that our students will abide by the rules and regulations of your organization. We are expecting a positive response from your side.

Thanking you Sir,

Yours faithfully,

PRINCIPAL

PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P KOTHAKOTA-517 112

Enclosure: List of Students

P.Kothakota, Tirupathi-Chittoor Highway, Near Pakala, Chittoor-517112, Andhra Pradesh, India
Fax: 08572-278725 Website: www.vemu.org Email:vemupat@gmail.com
Mob: 9440790850, 88866661150

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VEMU IT

Date: 05.04.2019

The following list of students interest to do internship at your esteemed organization.

S.No	Branch	Roll No	Name of student
1.	ECE	164M1A0413	Mr. C.VENKATESH
2.	ECE	164M1A0453	Mr. M.CHARATH
3.	ECE	164M1A0456	Mr. M.THARUN KUMAR
4.	ECE	164M1A04A4	Mr. T.MAHESH BABU

T. Chandra Sekhar
PRINCIPAL
PRINCIPAL
VEMU INSTITUTE OF TECHNOLO.
P KOTHAKOTA- 517 112

P.Kothakota, Tirupathi-Chittoor Highway, Near Pakala, Chittoor-517112, Andhra Pradesh, India
Fax: 08572-278725 Website: www.vemu.org Email:vemupat@gmail.com
Mob: 9440790850, 88866661150

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Phone No.: 044-42606450/70, www.pantechsolutions.net

Ref.: Pantech/Internship/2019/03 Date: 02-05-2019

To
The Principal,
VEMU Institute of Technology,
P.Kothakota,
Chittoor Dist-517112.

Respected Sir,

Sub: Acceptance for Internship Program at Pantech Solutions – Reg.

Ref.: VEMU/ECE/INTERNSHIP/2018-2019/SEM-II/2, Dated on 05-04-2019.

In response to the above cited reference, the Manager is pleased to inform you that the following students are permitted for internship program on "**IoT using ARDUINO**" between 03.06.2019 to 25.06.2019 in our organization.

S.No	Branch	Roll No	Name of the student
1.	ECE	164M1A0413	Mr. C.VENKATESH
2.	ECE	164M1A0453	Mr. M.CHARATH
3.	ECE	164M1A0456	Mr. M.THARUN KUMAR
4.	ECE	164M1A04A4	Mr. T.MAHESH BABU

Thanking you sir,

HR Manager

Pantech solutions Pvt. Ltd. chennai 600017

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Phone No.: 044-42606450/70, www.pantechsolutions.net

Date: 25.06.2019

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that **Mr. C.VENKATESH (164M1A0413)** who is pursing III year B. Tech in ECE at **VEMU Institute of Technology,** P.Kothakota has successfully completed their Internship Program on **"IOT Using ARDUINO"** in our concern.

Duration: **03.06.2019 to 25.06.2019**

pantech solutions Pvt. Ltd. chennai 600017

HR Manager

http://www.pantechsolutions.net

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Date: 25.06.2019

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that **Mr. M.CHARATH (164M1A0453)** who is pursing III year B. Tech in ECE at **VEMU Institute of Technology,** P.Kothakota has successfully completed their Internship Program on **"IOT Using ARDUINO"** in our concern.

Duration: **03.06.2019 to 25.06.2019**

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HR Manager

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Phone No.: 044-42606450/70, www.pantechsolutions.net

Date: 25.06.2019

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that **Mr. M.THARUN KUMAR (164M1A0456)** who is perusing III year B. Tech in ECE at **VEMU Institute of Technology,** P.Kothakota have successfully completed their Internship Program on **"IOT Using ARDUINO"** in our concern.

Duration: **03.06.2019 to 25.06.2019**

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HR Manager

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Date: 25.06.2019

INTERNSHIP COMPLETION CERTIFICATE

This is to certify that **Mr. T.MAHESH BABU (164M1A04A4)** who is perusing III year B. Tech in ECE at **VEMU Institute of Technology,** P.Kothakota has successfully completed their Internship Program on **"IOT Using ARDUINO"** in our concern.

Duration: **03.06.2019 to 25.06.2019**

pantech solutions Pvt. Ltd. chennai 600017

HR Manager

PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112

VEMU INSTITUTE OF TECHNOLOGY
P.Kothakota, Chittoor District -517112

Assistance for

B.Tech Project

06.02.19 to 12.03.19

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Date: 18.03.2019

PROJECT COMPLETION CERTIFICATE

This is to certify that **Mr. K.VIJAYA KUMAR (154M1A0451), Mrs. M.PRATHUSHA (154M1A0478), Ms. T.JAYASREE (154M1A0487), Ms. V.RAMYA (154M1A0497)** who are pursuing Final year B. Tech in E.C.E at Vemu Institute of Technology, P. Kothakota, Chittoor have successfully completed their project on **"PIC CONTROLLED WAR FIELD SPY ROBOT WITH BOMB DETECTION AND NIGHT VISION CAMERA BY ANDRIOD APPLICATION"** in our concern.

Duration: **06.02.2019 to 12.03.2019**

For PANTECH SOLUTIONS

Pantech Solutions Pvt. Ltd. chennai 600017

Manager

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Chennai – 600 017. Phone No.: 044-42606450/70, www.pantechsolutions.net

Date: 18.03.2019

PROJECT COMPLETION CERTIFICATE

This is to certify that **Mr.C.HARI KRISHNA(154M1A0411), Ms.C.MAMATHA(154M1A0414),Ms.C.RAMYA(154M1A0422) and Ms.A.VASANTHI (154M1A0402)** who are pursuing final year B.Tech in E.C.E at VEMU Institute of Technology, P.Kothakota have successfully completed their project on **"MEDICAL IMAGE SEGMENTATION USING WATERSHED WITH FUZZY C-MEANS THRESHOLD"** in our concern.

Duration: **06.02.2019 to 12.03.2019**

For PANTECH SOLUTIONS

Pantech Solutions Pvt. Ltd. chennai 600017

Manager

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Chennai – 600 017. Phone No.: 044-42606450/70, www.pantechsolutions.net

Date: 18.03.19

PROJECT COMPLETION CERTIFICATE

This is to certify that **Ms. Galla.Ramyakrishna (154M1A0433), Ms. B.Deepika (154M1A0409), Ms. K.Lakshmideepthi (154M1A0443), and Mr. K.Madhanmohan (164M5A0406)** Who are pursuing Final year B. Tech in E.C.E at Vemu Institute of Technology, P.Kothakota have successfully completed their project on **"Efficient Resource Allocation in cellular networks using CA-PIL and CA-FIL for Multiple Device-to-Device Communication"** in our concern.

Duration: **06.02.2019 to 12.03.2019**

For PANTECH SOLUTIONS

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Manager

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Date: 18.03.2019

PROJECT COMPLETION CERTIFICATE

This is to certify that **Ms. V.SNEHALATHA (154M1A0498), Ms. R.SUMATHI (154M1A0482), Ms. T.NANDINI (154M1A0492), Mr. M.PRAVESH (154M1A04A3)** who are pursuing Final year B. Tech in E.C.E at Vemu Institute of Technology, P.Kothakota, Chittoor have successfully completed their project on **"Arduino based attendance generating system using RFID and GSM"** in our concern.

Duration: **06.02.2019 to 12.03.2019**

For PANTECH SOLUTIONS

Pantech solutions Pvt. Ltd. chennai 600017

Manager

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Chennai – 600 017. Phone No.: 044-42606450/70, www.pantechsolutions.net

Date: 18.03.2019

PROJECT COMPLETION CERTIFICATE

This is to certify that **Ms. P. Chaitanya (154M1A0477), Mr. M. Charan Sai Kumar (154M1A0460), Mr. P. Vamsi Krishna (154M1A0471), and Mr. A. Vamsi Krishna (154M1A04A0)** Who are pursuing Final year B.Tech in E.C.E at Vemu Institute of Technology, P.Kothakota, Chittoor have successfully completed their project on **"DENOISING OF HYPERSPECTRAL IMAGE USING BLOCK MATCHING 3D"** in our concern.

Duration: **06.02.19 to 12.03.2019**

For PANTECH SOLUTIONS

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Manager

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PROJECT COMPLETION CERTIFICATE

This is to certify that **Ms. B. Anusha (154M1A0404), Ms. G. R. Deepna (154M1A0430), Ms. Dalavai Ooha (154M1A0424), and Ms. K. Uzma (164M5A0405)** Who are perusing Final year B. Tech in E.C.E at Vemu Institute of Technology, P. Kothakota have successfully completed their project on **"Efficient MRI based brain tumor detection and feature extraction using BWT and Cascade feed-forward neural network"** in our concern.

Duration: **06.02.2019 to 12.03.2019**

For PANTECH SOLUTIONS

pantech solutions Pvt. Ltd. chennai 600017

Manager

PRINCIPAL
VEMU INSTITUTE OF TECHNOLOGY
P. KOTHAKOTA - 517 112