3.5.1: Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Table of Contents

S. NO	Contents	Page No
1.	List of Activities based on MoU signed by both parties	2
2.	MoU Document	3 - 8
3.	Proof of Activity based on MoU	9 - 10

Dr. V.S.Thangarasu M.E.,M.B.A.,Ph.D.,
Principal

Indra Ganesan
COLLEGE OF ENGINEERING
Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli - 620 012
Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai
NAAC Accredited, 2(f) status Institution by UGC

TO WHOMSOEVER IT MAY CONCERN

This is to certify that, the following list of activities were conducted based on the MoU signed between Indra Ganesan College of Engineering, Tiruchirappalli and Hitakey Infosys, Tiruchirappalli

S.No.	Name of the Activity	No. of Students / Staff Benefited	Date of Activity
1.	VAC- Introduction to Machine Learning	52 students	01.08.2022 to 05.08.2022
2.	VAC- Introduction to Robotics	52 students	30.01.2023 to 3.02.2023

MoU Validity Period: 30.08.2021 to 30.08.2024

Signature of the MoU signed Industry with Seal

Signature of the Principal with Seal

Dr.V.S.THANGARASU

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

Memorandum of Understanding (MoU)

between

Hitakey Infosys

Melachinthamani,Trichy-620002.

and

Indra Ganesan College of Engineering

Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai

Accredited by NAAC with B+ Grade

Madurai Main Road (NH-45B), Manikandam, Tiruchirappalli-620 012

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

The Agreement is executed on this 30th August, 2021 (Effective Date) between:

Hitakey Infosys, Melachinthamani, Trichy-620002. (Which expression shall include its successors and assigns) of the first part:

and

Indra Ganesan college of Engineering, Trichy- 620 012 herein after called the "IGCE", having its permanent campus and office at Madurai Main Road, NH-45B, Manikandam, Tiruchirappalli – 620012, (which expression shall unless repugnant to the context or meaning thereof be deemed to mean and include its successors and assigns) of the second part

Whereas:

- **Details of Hitakey Infosys**

    Hitakey Infosys combines a unique approach to the ideation and creation of the course content. It then collaborates with SMEs for training. Further, it offers its learners lifelong support and lifetime access to the course materials. It also provides professional help to ensure learners find lucrative jobs by conducting mock interview sessions and helping each candidate create a high-quality resume.

    Hitakey Infosys started from a passion we felt to give something back to society. We focus on value, not volume, so with us, you will get farther than talent." "At Hitakey Infosys, we focus on what, why, who and how. With an excellent line of courses, a learner walks away with a smile and a deeper understanding of the concepts. We are in a constant endeavor of changing the education culture to be more like an open-source collaborative environment."

Dr. G. Balakrishnan, M.E., Ph.D.
Principal
Indra Ganesan College of Engineerir •
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.
IGCE

Details of Indra Ganesan college of Engineering

- The college established in the year 2008 by the Indra Ganesan Educational and Charitable Trust with a noble vision to provide higher education in the field of Engineering for our students' community, especially from rural areas.

- The College is offering Bachelor Engineering Degree Programme (B.E./B.Tech.) in Agriculture Engineering (AE), Artificial Intelligence and Data Science (AI&DS) Civil Engineering (CE), Computer Science and Engineering (CSE), Electronics and Communication Engineering (ECE), Electrical and Electronics Engineering (EEE), Mechanical Engineering and Information Technology.

- The College is also offering Post Graduate Degree Programme in M.E. Computer Science and Engineering, M.E. - VLSI Design and MBA - Management Studies.

- The college is experiencing vertical growth every year in terms of academic results and job placements which has earned good reputation from the students and parents of the College.

- The College is well equipped with labs prescribed by Anna University and all other facilities required for peaceful learning environment for the students.

- The College is maintaining a good retention of faculty members which also enhances proper functioning of the academic and administrative system.

- Apart from academic concentration, the College is concentrating on sports and discipline which is felt very much essential in contributing good citizens to the society to build a strong nation as dreamt by our former President Dr.APJ Abdul Kalam.

Dr. G. Balakrishnan, M.E., Ph.
Principal
Indra Ganesan College of Engineer
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.
IGCE

Vision- IGCE

To evolve as a center of excellence in Engineering, Technology and Management with distinctive research capabilities and to transform the students into knowledgeable, skilled professionals with high ethical values to cater the needs of the society.

Mission-IGCE

- To impart practical example based teaching
- To develop Engineering and Communication skills
- To impart the importance of lifelong learning
- To develop positive attitude

The Agreement:

The Hitakey Infosys, Trichy and IGCE enter into the following agreements:

- Hitakey Infosys, Trichy, offers Internship/In-plant training for reasonable number of students based on the demand.
- Hitakey Infosys, Trichy, offers Workshops, Seminars and Value added courses for the student on recent trends in Information Technology.
- Hitakey Infosys, Trichy, provides technical support for industry based projects for final year students.
- Hitakey Infosys, Trichy, shall provide support for Faculty development programs/Special Lectures in the emerging areas on mutually convenient dates.
- IGCE shall provide infrastructure facilities and technical support as required by Hitakey Infosys, Trichy.
- Both parties shall maintain confidentiality about any information, course materials, plans, discussion, strategies or any material, which are deemed to be confidential.
- The implementation of specific activities will be separately agreed between both organizations on need basis

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

- Other terms and conditions which are not provided in this Agreement will be deliberated and agreed upon by the organizations hereto.
- This Agreement is established in English language and is valid from the date of signing by the representatives of the organizations. The organizations hereto have executed this Agreement in duplicate, and each organization shall keep one copy of the originals.
- This agreement shall be governed by and construed in accordance with the laws of India.
- The two parties will consult each other and attempt to resolve disputes or misunderstandings that arise in the administration of this agreement informally.
- This agreement shall be valid for a period of three years from the date both signatures are affixed to this document or before if terminated by mutual agreement of both. This agreement may be terminated by either party after one hundred and twenty (120) days following receipt of a written notification of intent to terminate by the other party.
- If a proposal to renew this agreement is not presented before the end validity period, it will be terminated automatically at the end of three years.

Arbitration:
- This MoU is executed in duplicate with each copy being an official version of the agreement and having equal legal validity.
- In the event of any dispute or difference between the parties hereto, such disputes or differences shall be resolved amicably by the mutual discussion of the heads of the two organizations.

By signing below, the parties, acting by their duly authorized officers, have caused this Memorandum of understanding to be executed, effective as of the day, month and year mentioned in the beginning of the MoU.

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012,
IGCE

Signed and delivered on behalf of by

Mrs.Shalom Jerlin, Managing Director Hitakey Infosys, Trichy, in the presence of Mr.M.Hemnath, Project Executive Hitakey Infosys, Trichy

For and on behalf of Hitakey Infosys, Trichy,

Name: **Mrs.Shalom Jerlin**

Managing Director,
Hitakey Infosys,
Trichy,.

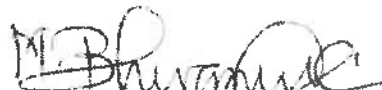**For and on behalf of Indra Ganesan college of Engineering**

Name: **Dr.S.Bharathi Raja**

Principal,
Indra Ganesan College of
Engineering, Trichy

In presence of

1. **Mr.M.Hemnath**
   Project Executive
   Hitakey Infosys,
   Trichy,.

2. **Mr.S.Kumar**
   Human Resource Officer,
   Hitakey Infosys,
   Trichy,.

In presence of

1. **Dr.M.Bhuvaneswari**
   Head of the Department,
   Department of ECE,
   IGCE,Trichy -12

2. **Mrs. B.Saraswathi**
   Assistant Professor,
   Department of ECE,
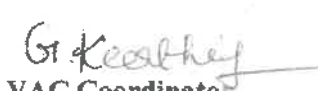   IGCE,Trichy -12

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.

REPORT ON VALUE ADDED COURSE

Title:	"Introduction to Machine Learning"		
Resource Person:	Ms.Shalom.Jerlin Technical Head, Hitakey Infosys Trichy		

Date of conduct from:	01.08.2021	To:	05.08.2021	Duration:	30 Hours
Organized Department :	Electronics and Communication Engineering				
Participant Year:	2,3,4			No. of Students Registered:	53
Venue:	DSP Lab				

Outcome of Value Added Course (VAC): At the end of the Course, Students can be able to

- Understand different types of machine learning and map problems to different classes of machine learning algorithms
- Describe and apply machine-learning algorithms including decision trees, naïve Bayes, and logistic regression.
- Understand a wide variety of learning algorithms
- Understand how to evaluate models generated from data.
- Apply the algorithms to a real problem, optimize the models learned and report on the expected accuracy that can be achieved by applying the models.

Assessment Process

- Students, who are securing **more than 70% on total score** and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted

- Total Score = (0.5*Attendance in VAC out of 100 percentage + 0.5 *Test mark in VAC out of 100 marks)

Balaji
VAC Coordinator

HoD/ECE

Principal

REPORT ON VALUE ADDED COURSE

Title:	**"INTRODUCTION TO ROBOTICS"**				
Resource Person:	Mrs. Shalom Jerlin , Technical head, Hitakey Infosys, Trichy				
Date of conduct from :	30.01.2023	To:	03.02.2023	Duration:	**30 Hours**
Organized Department :	**Electronics and Communication Engineering**				
Participant Year:	**2,3,4**		No. of Students Registered :		**47**
Venue:	**DSP Lab**				

Outcome of Value Added Course (VAC): At the end of the Course, Students can be able to

- Understand basic components of robotics, classification of robots and their applications.
- Know on types of robot grippers, their usage and design considerations.
- Understand about various types of sensory devices their working and applications.
- Apply basic transformations related to the movement of manipulator.
- Design a robot mechanism to meet kinematics requirements and to write simple programs.

Assessment Process

- Students, who are securing **more than 70% on total score** and secured more than 75% in attendance is eligible to receive the certificate for the VAC course conducted

- Total Score = (0.5 *Attendance in VAC out of 100 percentage + 0.5 *Test mark in VAC out of 100 marks)

VAC Coordinator   **HoD/ECE**   **Principal**

Dr. G. Balakrishnan, M.E., Ph.D.,
Principal
Indra Ganesan College of Engineering
IG Valley, Madurai Main Road
Manikandam, Trichy-620 012.