

தமிழ்நாடு தமிழ்நாடு TAMILNADU ரூ.100/-
12.07.2023.

DA 035725

K.S.R. College of Engineering
Tiruchengode.



S. சாந்தி B.Com.,
முத்திரைத்தாள் விற்பனையாளர்.
திருச்செங்கோடு,
உரிமம் எண்: 1/1992

Memorandum of Understanding Between

M/S. MACBRO TECHNOLOGY (I) PVT LTD
#45, Third floor, SBI Building, VCTV Road, Erode-638003
&
K.S.R COLLEGE OF ENGINEERING
K.S.R. Kalvi Nagar, Tiruchengode - 637 215, Namakkal

For MACBRO TECHNOLOGY INDIA PRIVATE LIMITED


AUTHORISED SIGNATORY


PRINCIPAL
K.S.R.COLLEGE OF ENGINEERING
K.S.R.Kalvi Nagar, Tiruchengode-637 215
Namakkal Dist., Tamilnadu

CENTRE OF EXCELLENCE

This Memorandum of Understanding (hereinafter called as the 'COE - MOU') is entered into on this day 13 July 2023 between;

M/s.MACBRO TECHNOLOGY INDIA PRIVATE LIMITED
#45, Third floor, SBI Building, VCTV Road, Erode-638003, Tamil Nadu, India

Represented by its authorized signatory hereinafter called "**First Party**" (the firm which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

AND

K.S.R COLLEGE OF ENGINEERING
K.S.R. Kalvi Nagar, Tiruchengode - 637215, Namakkal, Tamil Nadu, India

Represented by its authorized signatory, hereinafter called "**Second Party**" (the institution which expression, unless excluded by or repugnant to the subject or context shall include its successors – in-office, administrators and assigns).

(First Party and Second Party are hereinafter jointly referred to as "Parties" and individually as "Party")
Whereas the **Second Party** offered to provide the facilities located at their campus to the **First Party** for the purpose of establishing a Centre of Excellence.

And

Whereas the First Party and the Second Party have agreed to reduce such terms and conditions into writing.



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PREAMBLE:

In order to make a student employable and get placed in a global organization; over and above academic knowledge, he/she is expected to have the following:

- Strong Fundamental Engineering Knowledge.
- Industry Expected skillset, i.e., min.1~3 years of equivalent industry domain knowledge.
- Engineering related Multiple Technical Skills and skills that add value.
- Good communication & Soft Skills.
- Japanese language skill – recommended.

While the required Knowledge on various subjects would be provided by KSRCE, MIT (Talent Pool Development division of Macbro) will equip the students with regard to industry specific CAD skills with Domain Knowledge (Plastics, Sheet Metal product design with manufacturing concept – All kind of product design and development)

In order to minimize the skill gap that exists between the students and the expectations of the industry, this collaboration will facilitate the students of KSRCE to acquire appropriate and relevant skills at the institution itself through this program.

Through this collaboration, MIT will prepare the students of KSRCE to be ready for getting placed in industry by the time they enter the final semester. Keeping in mind the academic program and the progressive skill development cycle in mind, the program is spread across all semesters.

OBJECTIVES OF THE COLLABORATION:

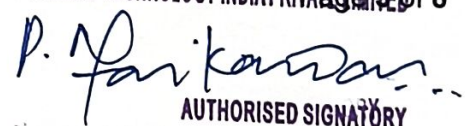
- To provide *Industry Expected Employability Skillset to the students of KSRCE.*
- Setup *MACBRO Centre of Excellence in CAD at Department of Mechanical Engineering, KSREI Campus.*
- Offer INTERNSHIP to KSRCE Students @ MACBRO R&D Centre.
- Assist KSRCE Students to get Intern / Industrial Visits from MACBRO.
- Placement Assistance in INDIA & JAPAN.
- Support Tier down LAB setup @ COE Premises.
- Provide Funded Projects to KSRCE – Staffs & Students.
- To make KSRCE students aware of Industry specific tools and techniques in order to make them industry ready at the end of their program training.
- Offer training to KSRCE Trainees in specific product development domain.
- Offer in-depth Global Industry Standard specific training in selected subjects at lowest affordable cost to the students of KSRCE.
- Support training / placement for **Japanese Language Proficiency Test (JLPT) & Japanese Candidates of KSRCE**
- To build/improve the confidence level of KSRCE students to face future challenges in a real time environment in the industry.

This Center of Excellence is signed to conduct a Unique, Step-by-Step, Systematic, and Employable Skills Development Program for the students of KSRCE for achieving the objective of maximizing their employable



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opportunities.

This Center of Excellence states the terms and conditions under which the Training shall be conducted by MIT through its MACBRO R&D Centre at the premises of KSRCE and lists herein the respective responsibilities of both parties.

1. COE Requirements -

1.1 The Institute will make available necessary Infrastructure to support COE activity @ KSREI campus as follows:

S.No.	ITEMS
1	COE - CAD LAB Computers (work station) - 30 No's [i5 5 th Gen,8GB RAM,500GB HDD, 2GB Intel / NVIDEA Graphic Card] CATIA Educational License - 30 No's Dedicated Classroom (1) - 50 seats [with white Board], Projector, Speaker
2	Macbro R&D Center: 1 room with 2-5 seating capacity [with biometric facility] - 200 Sq. ft. [workstation & commercial license will be arranged by MACBRO R&D]
3	Tier down Lab – 200 Sq.ft space facility (Automotive & Mechanical components)
4	Air-Conditioned Lab, 24x7 Internet facility for R&D Centre [100 mbps Unlimited]

1.2 The Institute will depute faculty experts to conduct the program jointly with MACBRO team.

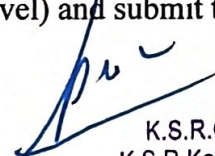
1.3 The Institute will provide Accommodation to MIT- MACBRO R&D Staffs during the Training Program on paid basis.


2. COE Requirements - Scope and role of MIT-MACBRO R&D

S.No	Items
1	Setup Automotive Design R&D Lab & Display Unit Automotive Plastic Components @ KSRCE Campus
2	Support & Organize FDP Training for Faculty Members on Automotive R&D & Industrial work Exposure and Tool Knowledge
3	Support & Coordinate Industrial funded projects to students & Faculties as Mutual Management Collaboration.

2.1 MIT- MACBRO R&D Team will conduct the training at KSRCE campus as per the approved syllabus & fixed schedule.

2.2 At the end of each module, MIT- R&D Team will conduct Evaluation Test (To check the student level) and submit the report to concern KSRCE Authority.


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3. Training Deployment Plan

Eligibility:

Students from 2nd / 3rd / 4th year B.E, B.Tech, in Mechanical and Automobile.

Eligible Department:

Mechanical & Allied Departments

Total training hours: 500 hours.

[Total 6 Modules, each module must be covered by max.20 sessions]

Group A – II^{-year} students (100 hours per Sem. + 100 hours per Sem.)

Group B – III^{-year} students (150 hours per Sem. + 150 hours per Sem.)

Group C – IV^{-year} students (250 hours Industry Project Internship 7th & 8th Sem)

4.Target / Technical Achievements - Industry Ready- Product Design Engineer

All the selected students will get hands on experience in the following depending on the Program.

Tool Related: CATIA V5 or UG NX tool training up to advanced level.

Design Projects: Hands on projects related to automotive plastics/sheet metal product design like
1) Automotive Interior/Exterior Trims etc.

Domain Related: All the students will be given a complete understanding about GD&T, Drawing Standards, 2D to 3D Design, Reverse Engineering, Tool & Mold design, Sheet metal & Press tool design, Advance Manufacturing Processes, Best Practices/Methodologies adopted in OEMs & Tier suppliers in automotive.

5. Course Content

5.1 **Title** : Product Design & Development of Plastic & sheet metal Industry Components.

Domain : Plastic & sheet metal product Design with manufacturing concept

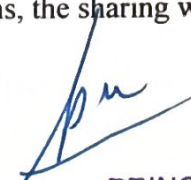
Software : CATIA / UG NX

5.2 Course syllabus

Course syllabus needs to be approved by the Head of the respective departments in KSRCE & MIT training Head.

6. Course fee per Candidate

Course fee including all taxes can be revised every year with the consent of both parties. The employee experts of first and second party will be handling the courses. As per the course fee revisions, the sharing will be made with the consent from both the parties.


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7. Finance

Any financial obligation on either of the parties should be mutually agreed upon in advance.

8. Placement Plan

- Every year (those who completed course – Upto Module 6), MACBRO will offer 1-year full time internship for Top 5 – 10 students with stipend after clearing MACBRO technical test.
- Every year outstanding long-term visionary KSRCE students will be offered with intern opportunity for 1 year followed by job assurance @MACBRO R&D (3 years of service period after the graduation). This support will be accepted only for completion of 300 hours of training duration.
- After internship, all the outstanding students will be absorbed for global projects. (Full time employment & min 2.4 lakhs / annum CTC)
- Onsite (Japan) working opportunity will be given for Japanese Language Proficiency Test (JLPT) – N3 certified engineers with min. 18 lakhs / annum CTC.
- Placement assistance support to other outstanding students of KSRCE.

MOU Effective Period

This Memorandum of Understanding shall be **valid Upto 3 years** effective from the date of signing by both the Managements and shall be renewed / refreshed on mutually agreed terms and conditions.

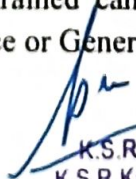
ADDITIONAL SUPPORT PLAN TO KSRCE:

- Organize Tech Forum / Conferences to connect Industrial Experts, Academicians, Researchers and Students.
- Try to get Sponsorship from global clients for KSRCE students R&D activity.
- Japanese Language training support.
- Organize Seminars from Domain Experts from Global leading companies.
- Life time Students Data Base management plan to assist for better career opportunity
- Life time tech guidance from our Tech portal.
- Support Motivational program & Soft skill program.
- Cultural session to enhance Engineers social life (Sports activity)

BENEFITS TO KSRCE:

This Association will enable National & Global Level connects between Industries & KSRCE Institution.

- All the trained candidates will become eligible to get job opportunities in Automotive or Aerospace or General Engineering industries.


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- MIT jointly work with KSRCE Placement team to increase the placement opportunities for KSRCE students in near future. MIT Technical team will also assess the future requirements of the industry and implement various required technical training to students.
- Provide Distinctive Corporate Learning Environment to students from MACBRO R&D.
- The Institution will be able to use MIT & MACBRO TECHNOLOGY INDIA PVT LTD name and logo with prior approval.
- For the past four years MIT-MACBRO successfully achieved a placement target of 300 in top OEMs, Tier-1 Suppliers & ESP companies.
- KSRCE students will get Real-Time Industry Exposure throughout the training program and also students will get Intensive training program at lowest cost.
- KSRCE students can get technical guidance from MACBRO R&D at any time to achieve their goals early. MIT plans to maintain the Students Data Base and connect through MIT- Tech portal for life time support. (This will be implemented in the near Future)

BENEFITS TO MIT - MACBRO TECHNOLOGY INDIA PVT LTD:

- MIT plans to maintain an engineer's data base for life time. This will help MIT to easily locate suitable Engineers and hire them at any point of time for India & global projects.
- MIT trained students will be able to join major OEM / Tier 1 / Tier 2 companies in India & abroad.



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P. 
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For and on behalf of KSRCE


Dr. P. Senthil Kumar

Principal

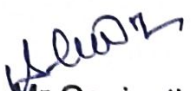
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In Presence of

- 
1. Mr. Gopinath Subhramani
Director – Corporate Relations
K.S.R. Educational Institutions

- 
2. Mr. N. Karthikeyan
Head – Corporate Relations
K.S.R. Educational Institutions

For and on behalf of Macbro



Mr. Manikandan P


Managing Director

Macbro Technology India Pvt Ltd, Erode



In Presence of

- 
1. Mr. Natarajan P
Chief Technical Officer
Macbro Technology India Pvt Ltd, Erode

- 
2. Mr. Santhoshkumar K.R.
Manager – Talent Acquisition
Macbro Technology India Pvt Ltd, Erode