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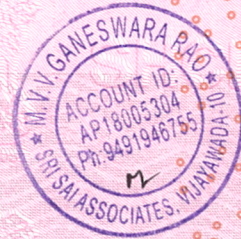


Government of Andhra Pradesh

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Purchased by : EFFTRONICS SYSTEMS PVT LTD MAGALAGIRI
Description of Document : Article 6(C) Agreement In any other case
Property Description : Agreement
Consideration Price (Rs.) : 0
(Zero)
First Party : EFFTRONICS SYSTEMS PVT LTD MAGALAGIRI
Second Party : JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY KAKINADA
Paid By (For Whom) : EFFTRONICS SYSTEMS PVT LTD MAGALAGIRI
Stamp Duty Amount(Rs.) : 100
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MEMORANDUM OF UNDERSTANDING

BETWEEN

Efftronics
hello future

AND



This Memorandum of Understanding (MoU) is made on 23rd day of July in the year 2026 at Hyatt Place, Vijayawada.

BETWEEN

1. Party No. 1 – M/s Efftronics Systems Private Limited, Mangalagiri, Guntur District (herein after the “Efftronics”), an organization which “offers End to End smart solutions to ‘Smart Signaling’, ‘Smart Buildings’, ‘IoT Solutions’ and ‘Smart cities’ and excelled in ‘Internet of Things’ herein after (IoT) having its registered office at Plot No.4, IT park, Auto Nagar, Mangalagiri, Guntur District, Andhra Pradesh., administered through its Managing Director, of the one part

AND

Efftronics
hello future

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- The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
- The onus of checking the legitimacy is on the users of the certificate.
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2. Party No. 2 – Jawaharlal Nehru Technological University Kakinada (herein after “JNTUK”), having its location at Kakinada, Andhra Pradesh, India, represented by its Registrar, duly authorized in this behalf by the competent academic and administrative bodies of the University, of the other part Efftronics and JNTUK are hereinafter referred to individually as a “Party” and collectively as the “Parties”

RECITALS

Whereas, Efftronics is a leading technology-driven company specializing in digital transformation solutions providing end-to-end digital engineering, IOT platforms, analytics and safety critical systems. Established in 1985, Efftronics serves various sectors such as Railways, Smart Cities, Smart Buildings, and Industries, offering value-centric solutions. The company is recognized for its in-house R&D and equipped with world-class R&D and manufacturing facilities.

AND

Whereas JNTUK Kakinada is engaged in the activity of providing higher education and high quality research in various faculties i.e., (i) Science Engineering & Technology, (ii) Management, (iii) Mathematics & Humanities and (iv) Inter-disciplinary Studies and has the mandate and power to establish linkages with National and International bodies and institutions for the purpose of enhancing and expanding the quality of education and research, is entering into collaboration with Efftronics

Now, therefore, this Memorandum of Understanding witness as below:

1. OBJECTIVES OF THE MOU

To design and Develop a one kind of Corporate – Campus collaboration of a two year M.Tech Programme as defined by Efftronics and agreed by JNTUK Kakinada to engage selected students of JNTUK Kakinada by teaching them the students by defined course subjects as per the mutual acceptance in **the specialized areas of Internet of Things and Embedded Systems**. The eligible, successful and competent students of this program shall, after successful completion of the M.Tech Programme, be provided job opportunities as full-time employees for the recruitment in Efftronics after completion of M.Tech Programme with a view to meet the manpower requirements of Efftronics.

The Key objectives are as follows.

- 1.1 Develop industry-ready professionals capable of contributing across design, implementation, and operations roles in IoT solutions
- 1.2 Build system level thinking, enabling students to understand end to end solution architectures
- 1.3 Ensure high employability by aligning learning outcomes with industry requirements and providing use case driven life cycle approaches
- 1.4 Strengthen academic capability through faculty development and industry collaboration



- 1.5 Student selection process for two-year M.Tech Programme (Internet of Things), by Efftronics and JNTUK as per the norms with minimum of intake of 25 students and increasing the strength later on as per mutual acceptance
- 1.6 Mode and scope of teaching the concepts as mutually discussed and agreed
- 1.7 Minimum 25 internships for UG students of constituent and affiliated colleges of JNTUK and 25 internships for PG students of PG Collaborative Program to be provided
- 1.8 Students of M.Tech Programme (Internet of Things) to be provided opportunities for executing PG theses as per the norms mutually agreed upon, and submission of theses to JNTUK
- 1.9 Intellectual Property Rights, and Publications that are evolved by the contributions of students, faculty, and Efftronics, as per the mutually accepted terms and conditions.
- 1.10 The students of UG program (EEE, ECE, CSE and allied branches) to be permitted to undergo internship program (along with coursework if possible) during their Fourth Year as per the norms mutually agreed upon at Efftronics.
- 1.11 Confidentiality of the entire program.

Note: Post-Graduate students admitted in M.Tech Programme (Internet of Things) and engaged in Interns / theses work in Efftronics, will also be offered a stipend of ₹15,000/- per month and eligible students as per the competence, will offered full time employment in Efftronics with a pay of up to ₹10 Lakhs as per the performance of the student, after successful completion of the course.

2. SCOPE

The scope of the proposed program is broader than the needs of Efftronics and is meant to be relevant to IOT product development and solution engineering in general. While the program is being sponsored by Efftronics, the curriculum shall not be exclusive to Efftronics specific technologies or applications, but shall address the knowledge, skills and competencies required in the IOT domain. The program will provide the students with both conceptual depth and practical exposure in areas such as sensing, embedded systems, communication, platforms, applications, system integration, deployment, and operational aspects of IOT solutions.

A key feature of the program will be the use of real world use cases to help students understand applicability and system level context. Through such use cases, students will learn how different components come together in an actual solution environment, and how products and solutions are designed for field deployment and operation with purpose at core. This approach will ensure that students do not learn subject in isolation, but understand their role in the overall solution space.

The program scope will also include structural laboratory infrastructure and practical exercises to strengthen hands on learning in alignment with industry needs.



3. GEOGRAPHICAL AREA OF OPERATION

Geographical locations should be M/s Efftronics Systems Private Limited, IT Park, Mangalagiri, Guntur district, or any other office, where Efftronics located, in future. Disputes, if any shall be resolved within the jurisdiction of the State of Andhra Pradesh, as provided in clauses 24 and 25 below

4. PROGRAM OUTCOMES

The program shall be designed to ensure that every student develops the knowledge, skills, and practical capability needed to become employable in the IOT solution space.

At the end of the program, students are expected to

- 4.1 Understand the IOT systems from a system-level perspective
- 4.2 Apply their learning in the design, implementation, integration, and operating roles
- 4.3 Gain practical capability through lab work, use case based learning, and industry exposure
- 4.4 Become suitable for professional roles in IOT product development and solution deployment

The intent of the programme is to enable students to perform effectively in varied roles depending on their capability and interest, while ensuring that all students graduate with industry- relevant competence.

5. PROGRAM EXECUTION

5.1 Admission Process:

JNTUK Kakinada will advertise for the admission of the students in M.Tech Programme (Internet of Things) in prominent newspapers and also through JNTUK web portal and presents the details of Efftronics collaboration with eligibility for B.Tech in specialization in Electronics and Communication Engineering, Electrical and Electronics Engineering, Computer Science Engineering, and their allied specializations with minimum of 60% percentage in qualifying examination or its equivalent CGPA.

The students applied for the same, have to attend the written examination at JNTUK (or) any other location as decided by JNTUK and Efftronics. Students qualified / selected in the written test will have to go through technical interview which will be conducted by experts from JNTUK and Efftronics. 60% weightage will be given to performance in written test and 40% weightage will be given to performance in the Interview.

Admitted students should accept for the terms and conditions of both Efftronics and JNTUK for internship and thereafter for the recruitment in Efftronics. In case eligible and competent students are not available, then students will be considered from GATE / PG CET qualified list of students applied for.

5.2 Curriculum and Delivery

The curriculum will be developed by Efftronics and JNTUK aligned with current and future industry needs in line with University standards as per the norms of the University. The delivery will balance theoretical foundations, system design and practical implementation by JNTUK.

JNTUK may seek the guidance and delivery of the subject knowledge and required help from Efftronics for the proposed curriculum from Efftronics.



The examination and evaluation process is to be done as per the norms of JNTUK and final degree will be issued by JNTUK, as per the credit transfer policy of JNTUK.

5.3 Laboratory Infrastructure

In addition to laboratory facilities available in JNTUK, a dedicated and application oriented two laboratories will be established in JNTUK (i) in the department of ECE (ii) in the department of EEE, by Efftronics.

Further, the use of high quality equipment and software provided by Efftronics will be closely monitored by Efftronics. Two trained technicians will be provided by Efftronics and salary of the same will be borne by Efftronics.

Further, the laboratory space, air-conditioners, lighting facilities, uninterrupted power supply, and furniture for the computing facilities and equipment, etc., will be provided by JNTUK. Efftronics will be taking the responsibility of establishing the two laboratories, which are used for M.Tech Programme and also can be used by UG students for laboratories, and for conducting UG and PG projects.

The two laboratories shall help students connect theory with practical implementation and understand the real world system behaviour.

The security of the laboratory equipment is to be taken care of by JNTUK.

5.4 Internship for PG students enrolled in M.Tech programme.

Students enrolled in the program shall undergo internship/thesis in Efftronics and execute the PG thesis work at Efftronics during the second year. The internship shall be integral part of the learning process, and student evaluation during this period shall be carried out jointly by the University and Efftronics. The internship amount of ₹15,000/- will be paid by Efftronics during the second year of the programme or as mutually agreed upon.

6. INTERNSHIP FOR UG STUDENTS (EEE, ECE, CSE AND ALLIED BRANCHES)

The students of UG program (EEE, ECE, CSE and their allied branches) of JNTUK affiliated and autonomous institutions are permitted to write the written test conducted by Efftronics and JNTUK and the selected students will be permitted to complete the internship/project and course work (if possible) at Efftronics as per the credits requirement of JNTUK. And such credits will be transferred to JNTUK to issue the final degree. The design of the curriculum will be done by both parties as per the university guidelines.

7. FACULTY DEVELOPMENT

Efftronics will support faculty development initiatives including knowledge sharing, training, and academic – industry interaction, to enable faculty members to effectively deliver the M.Tech Programme and strengthen related B.Tech teaching too.

8. JOINT RESEARCH PROJECTS

Efftronics and JNTUK shall submit for the research projects to various national and international funding agencies as per their norms with mutually acceptable terms and conditions.



9. EMPLOYABILITY AND PLACEMENT

- 9.1 Students meeting performance criteria will be offered employment opportunities with Efftronics
- 9.2 Compensation upon selection in Efftronics, will be upto Rs.10 Lakhs per annum based on the individual's demonstrated capability and performance
- 9.3 A stipend of Rs.15,000/- per month will be provided during the internship and project duration period by Efftronics for PG students, or as mutually agreed upon
- 9.4 JNTUK shall share the list of admitted candidates along with other details required on the stipulated date, to Efftronics for starting process of engagement as students of the course
- 9.5 Selection of suitable students from the candidate pool provided by JNT University Kakinada, will be done by a committee from Efftronics having quorum composed of members of concerned division of Efftronics and HR division to be approved by Efftronics management and experts as decided by JNTUK.
- 9.6 Efftronics shall pay stipend directly to the engaged students via direct bank transfer during their respective internship/thesis of one year duration with Efftronics. No other emoluments other than stipends shall be payable.
- 9.7 There shall no employer-employee relation between Efftronics and students during the period of 2-year course duration.
- 9.8 All the students being engaged in the Efftronics – JNTUK collaborative 2- year M.Tech Programme shall have to mandatorily sign an agreement on non-judicial stamp paper worth Rs.500/-, stating that there is no employer-employee relationship between Efftronics and the student, and further undertaking that the student will not claim employment or regularization against enrolment into the course or internship opportunity, where the student has not satisfactorily completed the course within the specified timeline.
- 9.9 Students have to follow the norms and regulations of Efftronics to undergo the training and internship/thesis with necessary timings and discipline. Further, students are liable to be rejected if they do not follow the norms of Efftronics.

10. PERSONNEL INVOLVED

Employees of either party as decided by either party may involve in the collaborative programme, but as decided by authorities of the two parties.

11. TIME FRAME

The validity of this MoU is initially for a period of five (5) years from the date of execution and extendable by another five (5) years upon mutual consent.

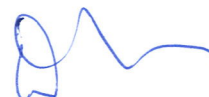


12. ROLE AND RESPONSIBILITIES OF EFFTRONICS

- 12.1 To provide internship opportunities and full-time employment to the eligible successful and competent students of PG programme specialized in Internet of Things after post successful completion of the course as per the agreed guidelines.
- 12.2 To provide course curriculum for the 2- year M.Tech Programme with mutually agreed terms of JNTUK and Efftronics.
- 12.3 To provide the necessary help in the selection process of the students for the admission into the course.
- 12.4 To provide the guest lectures by Efftronics to the students and faculty of the course as per the needs and necessity.
- 12.5 To train the faculty to use the laboratory equipment and also train them in the required subjects as per the requirements of JNTUK.
- 12.6 To establish two laboratories (i) in the Department of ECE (ii) in the Department of EEE, as per the curriculum, research and innovation requirements.
- 12.7 To establish Centre of Excellence in the area of Internet of Things and also sponsor one Chair Professor
- 12.8 To pay salaries to two laboratory assistants, one in each laboratory to maintain the equipment and to help the students to conduct the laboratories.
- 12.9 To equip the laboratories with necessary software and hardware by M/s Efftronics
- 12.10 To sponsor two research scholars for Ph.D programme and permitting them to work in Efftronics for their research and register in JNTUK, with one supervisor from JNTUK and another supervisor from Efftronics (if possible), as per the eligibility criteria. Necessary stipend will be taken care of by Efftronics.

13. ROLE AND RESPONSIBILITIES OF JNTUK

- 13.1 To select the students in the proposed PG programme in coordination with Efftronics.
- 13.2 To get the necessary approval to start the programme in the relevant academic bodies and administrative bodies.
- 13.3 To conduct the examination and evaluation for the proposed students by JNTUK as per the norms of JNTUK and as per mutual agreed terms.
- 13.4 To teach the courses as per the curriculum and conduct the laboratories in sponsored laboratories / laboratories of JNTUK
- 13.5 To conduct the research by the faculty in the proposed laboratories established By Efftronics



- 13.6 To have the joint publications and patents in coordination with Efftronics
- 13.7 To supervise / co-supervise the PG students for their theses in coordination with the experts from Efftronics
- 13.8 To provide the opportunities to the UG and PG students for training and employment, skill development as per the mutually agreed terms
- 13.9 To brand the collaborative 2 Year M.Tech Programme and pool the students for admission as per the norms
- 13.10 To train the faculty either in Efftronics / relevant industries to provide necessary knowledge and skill set
- 13.11 To monitor the students attendance and academic evaluations and provide space to establish laboratories in both departments
- 13.12 To provide the required physical infrastructure, furniture, air-conditioners, power supply, ambience etc.
- 13.13 To ensure the smooth conduct of the programme without any disturbances from students, faculty, and any other officials.

14. JOINT RESPONSIBILITY:

To provide a mutually beneficial industry-interface to students at JNT University, Kakinada to facilitate their real-world learning/up-skilling needs while meeting the permanent technical manpower requirements of Efftronics.

Expenses for patenting of any invention/ innovation by the faculty of JNTUK, students of this programme and experts from Efftronics will be borne by Efftronics and JNTUK. Income arises out of this process will be jointly shared by JNTUK and Efftronics. Student involved will share the income only upon mutually agreed terms of JNTUK and Efftronics.

15. FINANCIAL ARRANGEMENTS (STATE FINANCIAL RESPONSIBILITY/ ARRANGEMENTS INVOLVED):

- 15.1 No fee will be charged from the students by Efftronics during or after the completion of the Efftronics –JNTUK 2-year M.Tech Programme.
- 15.2 Course Academic fee will be decided/charged by JNT University, Kakinada from students for Efftronics – JNTUK 2-year M.Tech Programme.
- 15.3 A Programme tuition fee as decided by the University for the self-financing programme is applicable and to be paid by the selected students for the M.Tech Program to JNT University, Kakinada.




16. MONITORING COMMITTEE:

For the smooth, effective and transparent implementation of the Efftronics- JNTUK 2-Year M.Tech Programme there shall be monitoring committee comprising following persons:

- 1) Head of JNTUK or his nominee (Chairman)
- 2) Senior Professor from ECE as subject expert
- 3) Head of the Department of ECE – JNTUK
- 4) Professor / faculty member from JNTUK taking care of Training and Placements.
- 5) M/s Efftronics Systems Private Limited – Chair Professor
- 6) Executive Manager / Vice President – R&D, Efftronics
- 7) Head – HR, Efftronics Systems Private Limited

The Monitoring committee shall meet at least twice in a year and finalize various reports pertaining to implementation of the Course. It should also review the performance of the course, Students evaluation process and discuss any other items that are necessary for the smooth implementation of the course.

17. PUBLICATIONS AND INTELLECTUAL PROPERTY

All Publications by the students during the course will be co-authored by the students, faculty of JNT University, Kakinada and Efftronics. The Monitoring Committee shall review the patentability aspect of any research work carried out under the period of internship which subject matter of this MoU and decide whether an application for patent can be made or not.

Efftronics and JNTUK will be joint owners of the intellectual property rights (IPR) arising out of the joint work during the course. The decisions on ownership, licensing, costs, royalties, etc. shall be discussed and made by the Monitoring committee.

18. WAIVER (IF ANY)

The waiver by either party of a breach or default of any of the provisions of this MoU by the other party shall not be interpreted as:

A Waiver of any succeeding breach of the same or other provisions or shall any delay or omission on the part of either to exercise (or) Avail itself of any right, power or privilege that it has or may have under this MoU to operate as a waiver of any breach of default by the other party.

19. TERMINATION OF MoU

19.1 Either of the parties may terminate this MoU by written notice to the other party at- least 6 (Six) Months ahead however the students who have been admitted till that date should be given an opportunity for completion of the program and recruitment in Efftronics. The termination of this MoU shall not affect the implementation of activities that have been undertaken prior to such termination, unless agreements pertaining to such activities explicitly provide for such termination by both the parties.

19.2 The MoU shall also stand terminated for any reason such as outcome of legal proceedings, act of state, act of GOD or similar such exigencies beyond the normal control of the party concerned and which would disable any of the parties hereto from functioning further.



20. AMENDMENTS TO THE MoU

No amendments to this MoU shall be valid unless the same is made in writing jointly by both parties or their authorized representative and specially stating the same to be amended to this MoU.

21. CONFIDENTIALITY

Each party (in such capacity, the receiving party) that receives the confidential information of the other party (in such capacity, the "Disclosing party agrees on a mutual and reciprocal basis, to

21.1 Protect the confidential information in whatever form disclosed

21.2 Hold the confidential information strictly confidential and not disclosed to any unauthorized person(s)

21.3 Comply with all applicable laws and regulations

21.4 Not disclose the confidential information to a competitor of the disclosing party or to any organization in the same domain that may be competitor in respect of the products or services of the disclosing party

21.5 Maintain the trade secrets of the disclosing party

22. NON-DISCLOSURE

In consideration of the receipt of confidential information, each receiving party shall hold all confidential information of the disclosing party in confidence and with the same degree of care, it uses to keep its own similar information confidential, but in no event less than a reasonable degree of care and shall not without the prior written consent of the disclosing party, disclose such information to any person for any reason, at any time. Each receiving party agrees not to disclose or otherwise reveal to any third part, any of the confidential information of the disclosing party.

23. DISPUTE RESOLUTION

Any dispute arising out of or regarding any aspect of this Agreement shall be settled through mutual consultations and agreements by the parties to the Agreement, any difference, dispute, controversy or claim (the "Dispute") which may arise between Efftronics and JNTUK out of or in relation to or in connection with this MoU, or the breach, termination, effect, validity, interpretation or application of the Agreement or as to this rights, duties or liabilities of the JNTUK, hereunder shall be decided through arbitration by a sole arbitrator to be appointed by mutual consent of both the parties, in accordance with the Arbitration and Conciliation Act, 1996 as intended from time to time. The arbitration award shall be valid, final and binding upon the parties, the venue, place and seat of the arbitral award shall be final and binding upon on parties. The venue, place and seat of arbitration shall be Amaravathi. The language of the arbitration and the award shall be English, and the cost of the arbitration shall be jointly borne by the parties.

27. JURISDICTION

Only the Competent courts in Amaravati, state of Andhra Pradesh shall have jurisdiction to entertain the legal processing arising out of this MoU.

28. DEFINITIONS

28.1 "Confidential Information" means and includes, but is not limited to, disclosing parties intellectual property information, business information and trade secrets, whether or not reduced to writing or other tangible expression, which the disclosing party may disclose to the Receiving Party: provided, however, that Confidential Information shall not include any information which (i) was already known to the Receiving party prior to the disclosure by the disclosing party, as evidenced by written records, (ii) is or becomes generally available to the public otherwise than through a breach of the Agreement by the Receiving Party, (iii) is acquired or received rightfully and without confidentiality Limitation by the Receiving party from a third party, or (iv) is independently developed by the Receiving party without breach of this Agreement, prior to the agreement.

28.2 "Intellectual Property Information" means and includes, but is not limited to, information relating to research and development, discoveries, improvements, presentations, documents, study material, processes, know-how, drawings, blueprints, specifications, samples, prototypes, formulae, notes, patents, copyrights, trademarks, trade names, and patent, trademark and copyright applications,

The WITNESS WHEREOF both the parties hereto have set their hands, the date and the year herein above mentioned.

For & behalf of Efftronics

For & behalf of JNTUK

Signature: _____

Signature: _____

Name: Sri Dasari Ramakrishna
Efftronics Limited- Mangalagiri

Name: Prof. R. Srinivasa Rao
Title: Registrar, JNTUK, Kakinada

Witness:

Witness:

1. _____

(B. Sambi Reddy)

Chief Engineer, Efftronics Systems Pvt. Ltd

1. _____

(Prof. K. Padma Raju)

Principal, UCEK(A), JNTUK.

2. _____

(Ramasamy S.R.T)

Vice-President, Efftronics Systems Pvt. Ltd.

2. _____

(Dr. B. Leela Kumari)

Head, Dept. of ECE, UCEK(A), JNTUK.