



REPORT ON INDUSTRY COLLABORATION

Collaborating Company	:Biovision Medical system Chennai
About	:Signed MOU on 28.06.2018
	 Joint research and project work in developing innovative medical diagnostics products Joint publication Access to Research laboratories, equipments In-plant training for Biomedical department students
Outcomes as on date	:1.Training conducted for third year students
	2.Industrial visit conducted for third year students 2018

3. Project work on Portable ventilators



















REPORT ON INDUSTRY COLLABORATION

Collaborating Company	Siemens Healthineer Chennai
About	:Signed MOU on25 th April 2018
Outcomes as on date	 Industry oriented training programs for final year students Guest lectures on recent trends Training for faculty 4Industrial In-plant training for biomedical department students Training conducted for 3 different programs
	2.Industrial visit conducted for final year BME students 2019
	3.Inplant training for 10 students arranged







REPORT ON INDUSTRY COLLABORATION

Collaborating Company	:Niranjan Ultrasound Pvt Ltd.
About	:Signed MOU on09.03.2017
	 Joint research and project work in developing innovative medical diagnostics product Training the students Access to their equipments In-plant training for Biomedical department students
Outcomes as on date	:1.Work shop was conducted on Knobiology

- 2. Training programme for Final year students 2017
- 3. Donated and ultrasound machine













REPORT ON INDUSTRY COLLABORATION

Collaborating Company :SriSathyaSai Medical college and research center About :Signed MOU on20.07.2017 1. Joint research and project work in developing innovative medical diagnostics products 2. Training the students 3. Access to their equipments 4. Hospital training for Biomedical department students **Outcomes as on date**

:1.Hospital training programme for Final year students

2.Blood samples to conduct experiments







REPORT ON INDUSTRY COLLABORATION

Collaborating Company :Garuda

About:

Joint research and project work in developing innovative Drones for carrying Medical organs and transplants

Access to Research laboratories, equipments

In-plant training for Biomedical department students

Outcomes as on date

1.one project on transfer of blood transport and its effects on blood completed.

2.Disinfecting drones

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Photos





REPORT ON INDUSTRY COLLABORATION

Collaborating Company	:Tenx Health technologypvt LTD
About	Joint research and project work in developing innovative IOT based Medical devices
	In-plant training for Biomedical department students
Outcomes as on date	:
	Sstudents from biomedical and ECE to implement IOT based project for Tenx health









Collaborating Company:CSIR and LIT AcademyAboutJoint research and project work in developing
oncomechanics (Cancer diagnostic project)In-plant training for Biomedical department studentsOutcomes as on date:Students from biomedical and CSE staff to implement
Oncomechanics Project













REPORT ON INDUSTRY COLLABORATION

Collaborating Company	:Kalam institute of Health Technology
About	Joint research and project work in developing innovative Medical devices
	2.Funding for Biomedical department students

Outcomes as on date

1.Smart walker to be submitted as proposal

Abstract: A non-invasive method, which replaces the older method of usage of blood, can improve the diagnosis of glucose levels while reducing pain and complexity of testing. The correlation between the blood and saliva glucose levels helps in designing a non-invasive biosensor for diabetes test. The readings are sent via a Bluetooth module to the mobile. for further analysis and storage of results..



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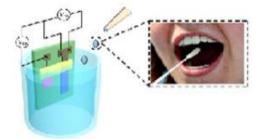
Product Features and Characteristics

Need and Demand

Traditional invasive blood glucose monitoring systems are expensive, inconvenience, and painful In this work, a promising multisensory non-invasive blood glucose monitoring system is proposed. The proposed approach is based on the principle of optical spectroscopy. Zig bee, Colour sensor was used. An application is developed using Eclipse software. The simulation results are compared with results from previous studies and cross validated with actual glucose concentration to justify the proposed NIBGM system. FUNCTIONAL FLOW DIAGRAM

ARDUINO LCO DISPLAY LCO DISPLAY LCO DISPLAY DISPLAYING THE THE DISP According to World Health Organization (WHO), diabetes will be the 7th leading disease cause of death in 2030. Diabetes and its complications are responsible for early death, where 1 person dies in every 7 seconds. With regards to economics, cost of diabetes covers 6 to 15% of the budget of National Health System in the European Union.

- non invasive gluco monitoring can lead to flexibility in lifestyle. It will reduce the complication also.







Collaborating Company:Radical Medical EquipmentsAbout :Training for Biomedical students

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> Critical care equipments

Outcomes as on date

Hands on experience on medical equipments







REPORT ON INDUSTRY COLLABORATION

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About :

Seminars ,lectures

Outcomes as on date

Better Knowledge onRadiology equiments







REPORT ON INDUSTRY COLLABORATION

Collaborating Company	:Sunshive Electronics Pvt LTD
About :	Inplant training for Biomedical students
	 Creating drawings & schematic diagrams Live demonstration of Electronic components PCB Designing Trouble shooting Circuit creation - fundamentals Reverse Engineering Technology - Creating circuits from existing product PIC& PLC programming introduction - I/O ports Individual Three industrial Products - with PCB & Components

Outcomes as on date

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1.Students working on Mini Project







Collaborating Company	:Aaranya Biosciences Private Limited Chennai
About	:Signed MOU(7 th May 2018) on sharing of knowledge, data, skills and the resource power available in both organizations through
	 Research Motivated Training during Even semester Consultation Guest lectures Industrial visits Research projects
Outcomes as on date	:1.Donated Spectroscopy devices and Elise reader during Annauniveristy practical exams
	2. Training programme scheduled for 4 th semester students
	3.Research Project scheduled to start in the month of December





Vivarium-Infrastructure at AARANYA BIOSCIENCES



FACILITIES TO BE USED BY AGNI STUDENTS





Collaborating Company About	:Madras ENT Foundation Chennai :Signed MOU on30.12.2016
	1. Joint research and project work in developing innovative medical diagnostics products
	2. Joint publication
	3. Access to Research laboratories, equipments
	4. In-plant training for Biomedical department students
Outcomes as on date	:1.Students visited the lab as an industrial Visit
	2.One collaborative project on noise cancellation

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