VELALAR COLLEGE OF ENGINEERING AND TECHNOLOGY

PEO's of the Department:

(Autonomous)

Thindal, Erode -638012

DEPARTMENT OF INFORMATION TECHNOLOGY

(Accredited by NBA & NAAC with 'A' Grade)

DEPARTMENT NEWSLETTER- "VIRTUE"

Academic Year-2021 - 2022

Vision of the Institute

To provide a wide range of Academic and Research Programmes and strive to develop a Centre of Excellence for Learning

Mission of the Institute

M1: To impart essential knowledge to the students through quality education, training and research activities.

M2: To inculcate the students with Societal Awareness, Professional Ethics and Leadership Qualities.

M3:To mould the students as high quality Engineers, Technocrats, Scientists, Administrators and Entrepreneurs.

Vision of the Department

To provide technological excellence in learning in the field of Information Technology and promote academic and research activities.

Mission of the Department

M1:Attain technological excellence through quality education and well-designed curriculum adaptable to technological needs.

M2:Facilitate value added courses and interdisciplinary training to provide highly competent IT professionals and entrepreneurs.

M3:Produce socially aware and ethically responsible engineers through human value education.

M4:Impart collaborative research through academic projects and industry institute interactions.

MESSAGE FROM HOD

It gives me immense pleasure to express my views on the release of departmental magazine. Our budding talents have expressed their thoughts, ideas, hopes, feelings, aspirations and convictions in a creative way. The Faculty members are sent to seminars, workshops and trainings to improve the skills required. The students and staff are encouraged to present papers in conferences and they are bringing laurels to the college.. This magazine should be a good source of guidance for faculty and coming batches of students in choosing activities of their choice in their future for building their carrier.

The Academic activity is continuously geared up and monitored to cope-up with emerging trends of technological development and innovations. Our experienced faculties are the strong pillars of the department whose focus is to empower a diverse community of students to nurture their capabilities, transform their lives and find success through high quality teaching and learning. They also encourage engaging with industry and community to make the world a better place through the creation, sharing and use of new knowledge. All these efforts are followed ambitiously to develop the overall personality of the students so as to equip themselves with modern and sensitive outlook to face the challenges of the competitive world.

- Dr. V. K. Manavalasundaram

PEO's of the Department:

The Program Educational Objectives of the Information Technology Program is listed below:

PEO 1 – **Preparation:** Excel in post graduate studies and career.

PEO 2 - **Core Competence:** Solve problems using the engineering fundamentals.

PEO 3 - **Professional Environment** : Have engineering breadth to achieve solutions for the needs of society.

PEO 4 – **Multidisciplinary**: Develop professional and ethical values, effective communication, team work and managerial skills for societal and environmental contexts.

PEO 5 - **Learning Environment**: Attain professional competence through lifelong learning.

PROGRAMME OUTCOMES:

Engineering Graduates will be able to:

- PO 1 - **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and engineering specialization to the solution of complex engineering problems.
- PO 2 - **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO 3 - **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO 4 - **Conduct investigations of complex problems:** Use research-based knowledge and research methods includ ing design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- PO 5 - **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- PO 6 - **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- PO 7 - **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal\ and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
- PO 8 - **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engi neering practice.
- PO9 - **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- PO 10 - **Communication:** Communicate effectively on complex engineering activities with the engineering commu nity and with society at large, such as, being able to comprehend and write effective reports and design documenta tion, make effective presentations, and give and receive clear instructions.
- PO 11 - **Project management and finance**: Demonstrate knowledge and understanding of the engineering and maagement principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- PO 12 - **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAMME SPECIFIC OUTCOME:

- PSO 1 - Apply technical concepts and practices in information technology and effectively integrate IT-based solu tions into the user environment.
- PSO 2 - Practice as an ethical software engineer in the evolving discipline of Information Technology by employing management skills learnt through internships and multidisciplinary projects.

PROGRAMS ORGANISED BY THE DEPARTMENT

WORKSHOP

The Students' Association of INFOAUXANO has conducted a workshop on 'Server side web application creation' for the benefit of the third year students on 04.10.2019. The session was preceded by Mr.A.Prabhu, senior software Engineer, Practo Technologies. He trained the students on how to create a web application using ruby on rail framework.

INTRADEPARTMENTAL MEET

An Intra Departmental Meet was conducted on 11.10.2019. The students have participated in various technical and non-technical events

HANDS ON TRAINING

The Students' Association of INFOAUXANO has conducted a hands on training on 'Client Project Development and Deployment' for the benefit of third year students on 04.01.2020. The training was given by Mr. K. Boopathikumar, Trainer, Training Trains, Coimbatore. By this training, students gained real-time experience on industry based project development and deployment.

Another hands on training on 'AngularJS &Django' was conducted for third year students on I 1.01.2020. The training was given by Mr. K. Prakash and Mr. S. Balamurugan, Sofware Trainers, ETS Academy, Erode. The students are motivated to create powerful web applications using AngularJS and Django.

A Hands on Training on 'Ethical Hacking' was conducted for the benefit of second year students on 25.01.2020. The training was offered by Mr. B. Sakthivel, Trainer, C CUBE Technologies, Erode. The students were exposed to techniques that can be used to legally break the security of any organization.

WORKSHOP

A workshop on 'Spider' was organized on 08.02.2020 for the benefit of second year students. The session was handled by Dr. R. Mynavathi, ASP/IT and Ms. T. Nithya, AP/IT of Velalar College of Engineering and Technology.

GUEST LECTURE

A guest lecture on 'Android Application Development' was conducted on 01.02.2020 for the benefit of third year students. The sessions were handled by Mr. K. R. Prasanna Kumar, AP and Mr. K. Logeswaran, AP, Department of Information Technology, Kongu Engineering College, Perundurai. The students were explored on how to develop interactive mobile applications for android platforms

SEMINAR

A seminar on 'Evolution of Python' was conducted on 29.02.2020 for the benefit of second year students. The sessions were handled by Mr. P. Ramesh, Corporate Trainer and Ms. R. Yuvaneswari, Software Developer, Code Supporter, Erode.

Another seminar on 'IT World under the control of Python' was organized for the third year students on 07.03.2020. The sessions were handled by Mr. P. Ramesh, Corporate Trainer and Ms. R. Yuvaneswari, Software Developer, Code Supporter, Erode.

WEBINAR

• A webinar on 'Friendly introduction to Machine learning & Deep learning' was conducted on 11.04.2020 for the benefit of Second year students.

• A webinar on 'Netflix matrix factorization & Devops tools' was conducted on 11.04.2020 for the benefit of Third year students
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• A webinar on 'Building a Website and make it live' was conducted on I 8.04.2020 and the session was handled by R.Manoj Aiyer, Microsoft Student Partner, UI/UX Designer, Coimbatore.

• An alumni webinar series on 'Opportunities & Interview Tips for budding Engineers' was conducted on 02.05.2020 for the benefits of second year students. The session was handled by Mr. Mohan Thangarasu(Alumni of IT department) Senior Application Developer, IBM India Pvt., Ltd., Bangalore.

• A five days fresher's webinar series on 'Discover a path to our vision' was conducted from 01.06.2020 to 05.06. 2020 for the benefit of first year IT students.

• A webinar on 'Artificial Intelligance and Data Science' was conducted on 25.5.2020 and the session was handled by S.Santhosh Raj, Senior Data Scientist, Chennai.

PLACEMENT ACTIVITIES

- S. ArvindhPrasadh, P. V. Kaviyadurga, R. Madhubala, S. Mehanaz Begum, P. Praveen and S. Tharanishri (Final IT) got placed in Infosys Limited.
- S. T. Poorani and K. Saranya (Fina—l IT) got placed in Excelacom Technologies.
- N. Anandhasankari, S. Kamali, R. Pavithra and M. Sindhia (Final —IT) got placed in Ato1 Syntel.
- K. Bharath (Final — IT) got placed in Suresoft.
- P. Nandhini Devi, B. Pooja, E. T. Soniya and E. Sowndharya (Final — IT) got placed in HCL.
- S. Shobana (Final — IT) got placed in Capgemini.
- S. Abi Clinda Mary and S. Srinidhi (Final — IT) got placed in Vinsinfo.
- G. Kavinraj, S. Haripriya, N. Monisha, B. Nivyarathika, C. Pavithra, P. Santheya, K. Sowmya, S. Suruthi, and C. Shree Dharshini got placed in Accenta.
- N. Kaviya, S. Preethi, K. Priyanka and A. Sowmiya got placed in Focus Edumatics.

STUDENT ACTIVITIES

- A total of 50 students have participated in various workshops namely Mobile Application Development, Machine Learning, Web Development using JS, Indian Film, Augmented and Virtual Reality conducted by various institutions.
- A total of 16 teams have participated in the paper presentation event organized by various colleges.
- M. Moulidharan(III-IT) has participated in the photography contest 'Patterns' conducted by Bannari Amman Institute of Technology, Sathyamangalam, Erode on 04.10.2019 and won first prize.
- T. Krishnaa, G. Saranya, M. Priya and S. Sujith(III-IT) participated in 3 day residential workshop 'Think Create Engineer' conducted by PALS at IIT Campus from 17.12.2019 to 20.12.2019.

TECHNICAL EVENT

- M. Akshaya Bharathi, C. E. Naveena, C. Akshaya and S. Komala (III - IT) have presented the project entitled 'Mobile Radiation Controller' in the innoWAH project competition conducted by PALS at IIT, Chennai on 25.02.2020.
- C. Akshaya (III-IT) has won first prize for the project entitled 'My Erode — Mobile App' in the project exhibition competition conducted by KSR College of Technology, Tiruchengode on 04.03.2020.
- H. Renuka, J. P. Sabeela and R. Snekha(II-IT) has presented a paper titled 'Bionic Eye Technology' and secured second prize in the paper presentation event conducted by SSM College of Engineering and Technology, Namakkal on 06.03.2020.
- M. Moulidharan (III-IT) , Thanigai Singaravelan and V.K. Surya(II-IT) have won golden award for the title 'Jokes on Me' in the Film making event conducted by Kumaraguru College of Engineering and Technology, Coimbatore on 07.03.2020
- S. Ravikumar(III-IT) and team have participated in the 5 day NSS special camp organized at Erode Panchayat Elementary School from 27.02.2020 to 02.03.2020.
- M. Moulidharan(III-IT) has participated and won various prizes in the photography contest conducted by various institutions.
- 'Miniature', First prize, Kongu Engineering College, Perundurai on 11.01.2020
- 'Freeze anything', Second prize, MIT, Chennai on 31.01.2020
- 'Freeze the moment', Second prize, Erode Sengunthar Engineering College, Thudupathi on 07.02.2020.
- 'Food', Wheel and Anything, First prize, Kongu Engineering College, Perundurai on 21.02.2020.

INTERNSHIP

The following students have undergone internship in various platforms at various organizations.

- K. Sugashini, V. K. Poovizhi and P.L. Sakunthala, Uniq Technologies, Chennai from 20.01.2020 to 20.02.2020.
- S. T. Poorani, S. Tharanishri and K. Saranya, Shiash Info Solutions, Chennai from 01.02.2020 to 31.03.2020.
- S. Srinidhi, Vcidex Solutions, Chennai from 11.12.2019 to 29.02.2020.
- K. Kishore, My City Events, Bangalore from 01.02.2020 to 30.03.2020.
- S. Deepika, B. Dhimple, T. Kavya. S. Kiruthika (13.03.1998) and S. Kiruthika, Techvolt Software Pvt. Ltd., Coimbatore from 20.01.2020 to 20.03.2020.
- S. Karthika, Mobiveil, Chennai from 09.12.2020 to 01.09.2020.
- M. Haripriya (II-IT) completed online internship training on 'Web Development' conducted by Echo Corporation, Chennai during June 2020.

ONLINE COURSES COMPLETED

- Arun P R, Balaji I, Bhalaganesh K M and Merlin Sweatha W (II-IT) completed an online course on 'The Fundamentals of Digital Marketing' conducted by Google Digital Unlocked during April
- Balaji I (II-IT) completed the following online courses conducted by Udemy
- 'Network Learn Photography From Pro & Take Better' on 10.04.2020
- 'The Complete Ethical Hacking Course : Beginner to Advance' on 09.04.2020

NPTEL COURSES COMPLETED

- A total of 37 students have successfully completed the NPTEL online certification course conducted during November - 2019. Out of them, 21 students have secured Elite.
- S. Khavya (III-IT-A) has secured Elite+Silver.

JOURNEL PUBLICATION

- Deepika S, Divyathaila B, Karthika G and Madhumitha M, Enhanced Privacy based Authenticity for Smart e-Health Cares using Light Weight ECC', Gedrag & Organisatie Review, ISSN: 0921-5077, Vol. 33, Issue 02, pp. 644-653, April 2020.

FACULTY ACTIVITIES

CONFERENCE

The following faculties have presented the paper in the AICTE sponsored International Conference on Data Science and Big Data analytics for Sustainability conducted by Nandha Engineering College, Erode on 22.02.2020.
- Dr. R. Mynavathi, 'Optcial Character Identification'.
- Ms. T. Premamala, Mr. C. Saravanan, Ms. V. Leela and Mr. A. Logeswaran, 'Supervised Probabilistic Dimensionality Reduction Techniques in Big Data: A Survey'.

SEMINAR

- Mr. C. Saravanan and Mr. A. Logeswaran have attended the CSIR Sponsored two day National Level seminar on 'Rural Transformation by Revolutionizing the Future of Agriculture with Smart Farming Techniques using Industrial IOT, Artificial Intelligence and Big Data Analytics' at Hindusthan College of Engineering and Technology on 12.12.2019 and 13.12.2019.
- Ms.V. Gomathi, Ms. P. Prema, Ms. D. Suganya, Ms. R. Supriya and Ms. N. V. Keerthana have attended CSIR Sponsored one day seminar on 'Geospatial Blockchain: Promises, Challenges and Opportunities in Health and Healthcare' conducted by Kongu Engineering College, Perundurai on 20.03.2020.

WEBINAR

- Dr. K. Ganeshkumar, Mr. C. Saravanan, Mr. A. Logeswaran, Ms.Prema and Ms. N. V. Keerthana attended a webinar on 'Emerging Technologies' conducted by Vidyalankar Institute of Technology, Maharashtra from 20.04.2020 to 22.04.2020.
- Ms. T. Nithya, Ms. P. Prema, Ms. D. Suganya, Ms. R. Supriya and Ms. N. V. Keerthana attended a webinar on 'Quality Article writing tips and tricks' conducted by Dr. M. G. R. Educational and Research Institute, Chennai from 20.04.2020 to 22.04.2020.
- Dr. K. Ganeshkumar, V. Leela attended various webinars conducted by Sky Campus, ICT Academy on the following topics
- Introduction to VMWare Cloud on 11.04.2020
- Accelerating Experiential Learning in Engineering on 13.04.2020
- Dr. K. Ganeshkumar, Ms. R. Menaka, Dr. M. Kavitha, Mr. C. Saravanan, Ms. S. Suganya, Ms. R. Maheshwari, Mr. A. Logeswaran, Ms. V. Gomathi, Ms. D. Suganya, Ms. R. Supriya and Ms. N. V. Keerthana attended a webinar series on 'Technology for Future' conducted by Sky Campus, ICT Academy, Chennai from 14.04.2020 to 18.04.2020.

FACULTY DEVELOPMENT PROGRAM

- Dr. V. K. Manavalasundaram, Dr. K. Ganesh Kumar, Mr. C. Saravanan and Mr. A. Logeswaran have attended the Faculty Development Programme on 'Machine Learning using Python and Data Analytics using Hadoop' conducted by Erode Sengunthar Engineering Col1ege,Perundurai on 16. 12.2019 and 27.12.2019.
- 14 faculty members attended an online Faculty Development Programme on 'Outcome based Learning Approach in Higher Education' conducted by Kristu Jayanti College, Bengaluru from 22.04.2020 to 30.04.2020.
- Dr. R. Mynavathi attended an online course on 'AICTE Examination Reforms' conducted by AICTE from 22.04.2020 to 25.04.2020.
- Ms. R. Menaka attended an online Faculty Development Programme on 'Machine learning' conducted by CSI-Trivandrum Chapter from 23.04.2020 to 30.04.2020.
- Ms. V. Gomathi, Ms. P. Prema, Ms. D. Suganya, Ms. R. Supriya and Ms. N. V. Keerthana attended an online Faculty Development Programme on 'R-Programming' conducted by Loyola ICAM college of Engineering and Technology, Chennai in association with IIT-spoken tutorial on 22.04. 2020.
- Ms. V. Leela and Ms. N. V. Keerthana attended an online Faculty Development Programme on 'Python & LaTex, Spoken Tutorial IIT Bombay' conducted by Vellalar College for Women, Erode from 23.04. 2020 to 29.04.2020.
- Ms. V. Gomathi, Ms. P. Prema, Ms. D. Suganya and Ms. N. V. Keerthana attended online Faculty Development Programme on 'Python 3.4.3' conducted by Vivekanandha College of Engineering for Women, Erode in association with IIT-spoken tutorial from 09.04.2020 to 16.04.2020.

SHORT TERM TRAINING PROGRAMME

• Dr. V. K. Manavalasundaram, Ms. R.Mynavathi, Ms. T. Premamala, Ms. V.Leela, Mr. C. Saravanan and Mr. A.Logeswaran have attended a AICTE sponsored Short Term Training Programme on 'Design and Development of Engineering Applications using Free/ Open Source Software(FOSS)' conducted by Velalar College of Engineering and Technology from 25.11.2019 to 30. 11.2019.

KEYNOTE ADDRESS DELIVERED

• Dr. V. K. Manavalasundaram acted as a resource person for the webinar 'Teaching beyond Curriculum' conducted by Vellalar College for Women, Erode from 24.04.2020 to 30.04.2020 and handled a topic 'Online Assessment Tool using Google Classroom'.

ONLINE COURSES COMPLETED

• Ms. T. Nithya completed an online course on 'Blockchain Essence' on 06.04.2020 conducted by Block chain school.
• Ms. T. Nithya completed an online course on 'Cloud Computing Basics' on 23.04.2020 conducted by Course Era.
• Ms. T. Nithya, Ms. S. Suganya, Ms. R. Maheshwari, Mr. A. Logeswaran, Ms. P. Prema and Ms. N. V. Keerthana completed an online course on 'The fundamentals of Digital Marketing' on 22.04.2020 conducted by Google.

The following faculties completed the respective online courses conducted by CISCO networking academy.
• Dr. K. Ganeshkumar, Ms. T. Premamala Ms. T. Nithya, Ms. V. Leela, Ms. V. Gomathi, Ms. P. Prema, Ms. D. Suganya and Ms. N. V. Keerthana , 'Introduction to IoT' on 21.04.2020.
• Ms. V. Leela, Mr. A. Logeswaran, Ms. V. Gomathi, Ms. P.Prema,Ms. D. Suganya and Ms. N. V. Keerthana, 'Introduction to Cybersecurity' on 21.04.2020.
• Ms. N. V. Keerthana, 'PCAP. Programming Essentials in Python' on 21.04.2020.

NPTEL CERTIFICATES

• Ms. N. V. Keerthana has completed the NPTEL online certification course 'Cloud Computing' and secured Elite in NPTEL exam conducted during November - 2019.

JOURNEL PUBLICATION

• Menaka. R, 'Traits of Outsourcing Bigdata in V's Term with Safe Secure Cryptosystem', Journal of Test Engineering and Management', pp. 6046 - 6050, Vol. 82, January 2020.
• Keerthana N. V, 'Enhanced Privacy based Authenticity for Smart e-Health Cares using Light Weight ECC', Gedrag & Organisatie Review, ISSN: 0921-5077, Vol. 33, Issue 02, pp. 644-653, April 2020.

AWARD OF PHD

Ms. S. Viveka has completed Doctoral degree from Anna University, Chennai during January 2020. Her area of interest is high utility itemset mining, big data and cyber security. She has published many paper in various international journals and presented papers in conferences.

VIRTUE-STUDENT MAGAZINE

APPLICATIONS USING MACHINE LEARNING IN COOL WAYS

• Artificial intelligence and machine learning are among the most significant technological developments in recent history. Few fields promise to "disrupt" lives, quite like machine learning. Here are some of the applications that are using the power of machine learning in new and exciting ways.

• Machine Learning is a buzzword in the technology world right now and for good reason, it represents a major step forward in how computers can learn. The need for Machine Learning Engineers are high in demand and this surge is due to evolving technology and the generation of huge amounts of data aka Big Data.

TRAFFIC ALERTS(MAPS)

Google Maps is probably the app is used whenever people go out and require assistance in directions and traffic. Google Maps provides suggestions like "Despite the Heavy Traffic, you are on the fastest route". But, how does it know that?

It's a combination of People currently using the service, Historic Data of that route collected over time and few tricks acquired from other companies. Everyone using maps is providing their location, average speed, the route in which they are traveling which in turn helps Google collect massive Data about the traffic, which makes them predict the upcoming traffic and adjust your route according to it.

The Google Maps application program interface (API) allows different software platforms to communicate with each other. For example, website administrators can embed Google Maps into a proprietary site, such as a real estate guide or community service page.

- M. DHARSHINI (II - IT - A)
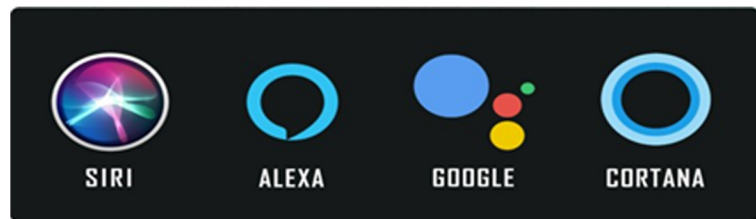
SOCIAL MEDIA (FACEBOOK)

One of the most common applications of Machine Learning is Automatic Friend Tagging Suggestions in Facebook or any other social media platform. Facebook uses face detection and Image recognition to automatically find the face of the person which matches it's Database and hence suggests us to tag that person based on DeepFace.

VIRTUAL PERSONAL ASSISTANTS

As the name suggests, Virtual Personal Assistants assist in finding useful information, when asked via text or voice. Few of themajor Applications of Machine Learning here are:

- Speech Recognition
- Speech to Text Conversion
- Natural Language Processing
- Text to Speech Conversion

Ask to personal assistant a simple question like "What is my schedule for tomorrow?" or "Show my upcoming Flights". For answering, personal assistant searches for information or recalls the related queries to collect info. Recently personal assistants are being used in Chatbots which are being implemented in various food ordering apps, online training websites and also in Commuting apps.

- B. THARACHANDAR (III -IT -B)

GOOGLE TRANSLATE

Google's GNMT(Google Neural Machine Translation) is a Neural Machine Learning that works on thousands of languages and dictionaries, uses Natural Language Processing to provide the most accurate translation of any sentence or words. Since the tone of the words also matters, it uses other techniques like POS Tagging, NER (Named Entity Recognition) and Chunking. It is one of the best and most used Applications of Machine Learning.

ONLINE VIDEO STREAMING (NETFLIX)

With over 100 million subscribers, there is no doubt that Netflix is one of the best applications in the online streaming world. Because, the Netflix algorithm constantly gathers massive amounts of data about users' activities like:

- When you pause, rewind, or fast forward
- What day you watch content (TV Shows on Weekdays and Movies on Weekends)
- The Date and Time you watch
- The ratings Given (about 4 million per day), Searches (about 3 million per day)
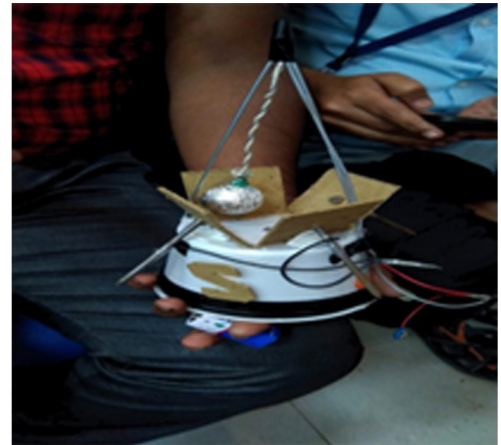- Browsing and Scrolling Behavior

- R. JENANIKA (III- IT - A)

HIGHLIGHTS

PALS- IIT'S WORKSHOP @ HTM

STUDENTS PROJECT GALLERY

INCLINATION SENSOR

HOPPER

- M. PRIYA (III- IT - B)

GALLERY

CHEMICAL LANDING

- S. SUJITH (III- IT - B)

ROBOTIC HAMMER

- G. SARANYA (III- IT - B)

INNOWAH PROJECT PRESENTATION @IITM

The idea behind the app is to let consumers know how much radiation they are exposed to, while talking on a phone. It is to make people aware of the effects on using the mobile phones for a long period of time. The app alerts user with vibration along with a warning message stating that the Specific Absorption Rate (SAR) has reached a certain threshold. Users can then decide to move the device away from the body. Instead, if they continue to speak after five minutes of the vibration alert, the device of the automatically gets switched off and a notification message will be sent to other side of the user. This may keep us safe from the radiations that may harm us.

C. AKSHAYA, M. AKSHYABHARATHI,
C. E. NAVEENA & S. KOMALA (III - IT - A)