Department of Computer Science and Engineering

Monthly Newsletter

Volume 3 Issue 2

AUGUST 2021

KPR Institute of Engineering and Technology

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Department of Computer Science and Engineering

TABLE OF CONTENTS

1	ABOUT THE DEPARTMENT	4
2	VISION & MISSION OF THE DEPARTMENT	5
3	FACULTY DETAILS	6-7
3	FACULTY ACHIEVEMENTS	8
4	FACULTY ACTED AS A RESOURCE PERSON	9-11
5	EVENTS ORGANIZED	12-21
6	MoU SIGNED	22-23
7	PUBLICATIONS BY FACULTY	24
8	PLACEMENT ACTIVITIES	25
9	FACULTY PARTICIPATION	26

About the Department

The Department had a humble beginning with an intake of 60 students in Under Graduate program in Computer Science and Engineering (B.E.) in the year 2010. Post Graduate program in Computer Science and Engineering (M.E.) was introduced in the year 2014 with an intake of 18 students. Today the **Department caters the needs of 720 students**. The Department has been accredited by NBA and has also been recognized as a Research Centre by Anna University, Chennai.

In our department, we have 40 highly qualified, dedicated faculty members for the upliftment of the student fraternity. The curriculum and syllabi are revised once in 6 months with the feedback of alumni and industry experts to make the students meet the industry expectation for their career and development. The syllabus is embedded with GATE curriculum that strives the students to clear **competitive exams like UPSC (IAS), GATE**. The Department has state of the art infrastructure in terms of laboratories, classroom, seminar hall, etc. The Department is stepping forward to expand its wings from the national to international area through innovative teaching practices and industry/academic collaborations. Special labs such as Mobile App Development, Data Science, Machine Learning, Augmented reality and Virtual Reality, Networks and Intelligence Computing are initiated to help the students excel in industrial environment.

The Department has signed **MoUs with Emurgo Amazon Web Services, REDHAT, EMURGO** for establishing **Center of Excellences** through which the students are benefited with International certification courses like **RHCSA, BLOCKCHAIN, ORACLE, Artificial Intelligence & Machine learning from Xebia University, C-DAC CLOUD**. To equip the students, the department offers with value added courses in Data Science and Big data analytics by Dell EMC2, Oracle, Block chain and Java. Apart from academics, the college provides platform to the students in order to showcase their unique talents through various **non- technical clubs like Dance, humor, music, food photography, Art & Craft Internet radio club** etc. Liberal arts courses like roof gardening, two-wheeler maintenance and other are also offered by various departments open to all the students.

Vision of the Department

To foster the students by providing learner centric teaching environment, continuous learning, research and development to become thriving professionals and entrepreneurs to excel in the field of computer science and contribute to the society.

Mission of the Department

1. Providing value-based education and contented learning experience to the students
2. Educating the students with the state of art technologies and cultivating their proficiency in analytical and designing skills
3. Enabling the students to achieve a successful career in Computer Science and Engineering or related fields to meet the changing needs of various stakeholders
4. Guiding the students in research by nurturing their interest in continuous learning towards serving the society and the country

FACULTY DETAILS

TEACHING FACULTY

S. NO	FACULTY NAME	DESIGNATION
1	Dr Sumathi A. C.	Associate Professor
2	Dr Balamurugan A.	Professor
3	Dr Surendran D.	Professor
4	Dr Gomathy B.	Professor
5	Dr Manoj Kumar S.	Professor
6	Dr Vignesh V.	Associate Professor
7	Dr Sivakumar T.	Associate Professor
8	Dr Suresh P.	Associate Professor
9	Dr Siva Sangari M.	Assistant Professor (Sl.G)
10	Dr Devipriya A.	Assistant Professor (Sl.G)
11	Dr Jayanthi N.	Assistant Professor (Sl.G)
12	Dr Saravanan M.	Assistant Professor (Sl. G)
13	Dr Kamaraj K.	Assistant Professor (Sl.G)
14	Dr Aswathy R. H.	Assistant Professor (Sl. G)
15	Mr Rajasekaran T.	Assistant Professor (Sr. G)
16	Mr Kandasamy S.	Assistant Professor (Sr. G)
17	Mr Sivaramakrishnan R.	Assistant Professor (Sr. G)
18	Ms Vidhya K.	Assistant Professor (Sr. G)
19	Ms Salomi M.	Assistant Professor (Sr. G)
20	Mr Vijayaganth V.	Assistant Professor (Sr. G)
21	Mr Premkumar M.	Assistant Professor (Sr. G)
22	Mr Nitin B. Raut	Assistant Professor (Sr. G)
23	Mr. Selvakumar	Assistant Professor (Sr. G)
24	Mr Naveenkumar M.	Assistant Professor
25	Ms Sri Sathya K. B.	Assistant Professor

26	Ms Geetha S. K.	Assistant Professor
27	Ms Nandhini N.	Assistant Professor
28	Ms Kiruthika J. K.	Assistant Professor
29	Ms Uma Rani M.	Assistant Professor
30	Ms. Preethi T.	Assistant Professor
31	Ms Jency A Jebamani B.	Assistant Professor
32	Ms Anchal	Assistant Professor
33	Ms Jeevitha R.	Assistant Professor
34	Ms Kanaga Priya P.	Assistant Professor
35	Ms Sasikala C.	Assistant Professor

SUPPORTING STAFF

SI.NO	Name of the faculty	Desgination
1	Mr.Thangaraj R.	Lab Technician
2	Mr.Samsundar A.	Lab Technician
3	Mr. Prakash S.	Lab Technician
4	Mr. Yogesh M.	Lab Technician
5	Mr. Vishnu K.	Lab Technician
6	Mr.Rethna Kumar S.	Lab Technician
7	Ms.Ruba P.	Senior Assistant
8	Ms.Priya.C	Junior Assistant

Faculty Achievements

Faculty acted as a resource person

1. Dr.V.Vignesh. Associate Professor, Acted as Guest Speaker in Make in India: Possible with Innovative Mindsets on topic “Innovating Education and Educating for Innovation” organized by Yuva Incubated on 12/08/2021.

2. Dr.T.Sivakumar, Associate Professor, Acted as resource person in National webinar on topic “ Securing the digital assets-The Future organized by Nehru Institute of Technology on 14/08/2021.

3. Dr.V.Vignesh, Associate Professor, Invited talk and Panel discussion on “Hindrance faced by entrepreneurs” organized by Kuriakose Elias College, Mannanam (IIC & IEDC) on 21/08/2021 to 24/08/2021.

4. Dr.V.Vignesh, Associate Professor, acted as guest speaker on topic “Entrepreneurs : Future of country” organized by K.I.T.E.S Education on 21/08/2021.

YUVA IncubatED
KITES
YUVA Innovator
WORLD ENTREPRENEURS' DAY
21ST AUGUST 2021
K.I.T.E.S. EDUCATION IS ORGANIZING NATIONAL WEBINAR ON:
ENTREPRENEURS: FUTURE OF THE COUNTRY
GUEST SPEAKER
DR. VIGNESH VENKATARAMAN
ASSOCIATE PROFESSOR/INNOVATION AMBASSADOR-IIC DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY, COIMBATORE
SESSION TOPIC
ENTREPRENEURSHIP 360°
WWW.YUVAINCUBATED.COM
INFO@YUVAINCUBATED.COM
WWW.KITESEDUCATION.COM

EVENTS ORGANIZED

ICSSR Sponsored Webinar "Artificial Intelligence and Machine Learning for IoT Applications in Healthcare Systems"

The department of Computer Science and Engineering, KPR Institute of Engineering and Technology, Coimbatore organized Indian Council of Social Science Research (ICSSR) sponsored webinar on "Artificial Intelligence and Machine Learning for IoT Applications in Healthcare Systems" from 26-07-2021 to 30-07-2021.The Program was inaugurated by Dr.A.C.Sumathi, Head, Department of Computer Science and Engineering. The webinar was felicitated by Dr.P.Thangaraj, Director, Center for Research and Development, KPR Institute of Engineering and Technology.

Dr.A.Devipriya, Assistant Professor (Sl.G) and Ms.M.Salomi, Assistant Professor (Sr.G) of Department of Computer Science and Engineering are the coordinators of the webinar. The webinar Master Of Ceremonies by Ms.J.K.Kiruthika, Assistant Professor, Department of Computer Science and Engineering.

NATIONAL LEVEL WEBINAR ON

"ARTIFICIAL INTELLIGENCE & MACHINE LEARNING FOR IOT APPLICATIONS IN HEALTHCARE SYSTEMS"

26.07.2021 to 30.07.2021

Registration Form

Name :

Department :

Organization :

Mailing Address :

Phone No :

Email :

Registration Link

https://tinyurl.com/kpr-cse-nationalwebinar

Signature of the Applicant

Signature of the HOD with Seal

NATIONAL LEVEL WEBINAR ON

"ARTIFICIAL INTELLIGENCE & MACHINE LEARNING FOR IOT APPLICATIONS IN HEALTHCARE SYSTEMS"

26.07.2021 to 30.07.2021

RESOURCE PERSON

Experts from Teaching Community and Industry Persons

ORGANIZING COMMITTEE

Chief Patron — Dr.K.P.Ramasamy, Chairman, KPR Group

Patron — Dr.A.M.Natarajan, Chief Executive

Chairman — Dr.M.Akila, Principal

HOD — Dr.A.C.Sumathi, Associate Professor & HOD, CSE

Convenor — Dr.A.Devipriya, AP(Sl.G)/CSE; Ms.M.Salomi, AP/CSE

Members

All Faculty members of CSE Dept

ADDRESS FOR CORRESPONDENCE

Dr.A.Devipriya
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KPR Institute of Engineering and Technology
Avinashi Road,Arasur,Coimbatore- 641407.
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Email: devipriya.a@kpriet.ac.in

Ms.M.Salomi,
Co-ordinator, Department of CSE,
KPR Institute of Engineering and Technology
Mobile:8870113694

KPR Institute of Engineering and Technology (Autonomous)

NATIONAL LEVEL WEBINAR ON

"ARTIFICIAL INTELLIGENCE & MACHINE LEARNING FOR IOT APPLICATIONS IN HEALTHCARE SYSTEMS"

26.07.2021 to 30.07.2021

Organized by

Department of

Computer Science and Engineering

KPR INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Autonomous)

Avinashi Road, Arasur

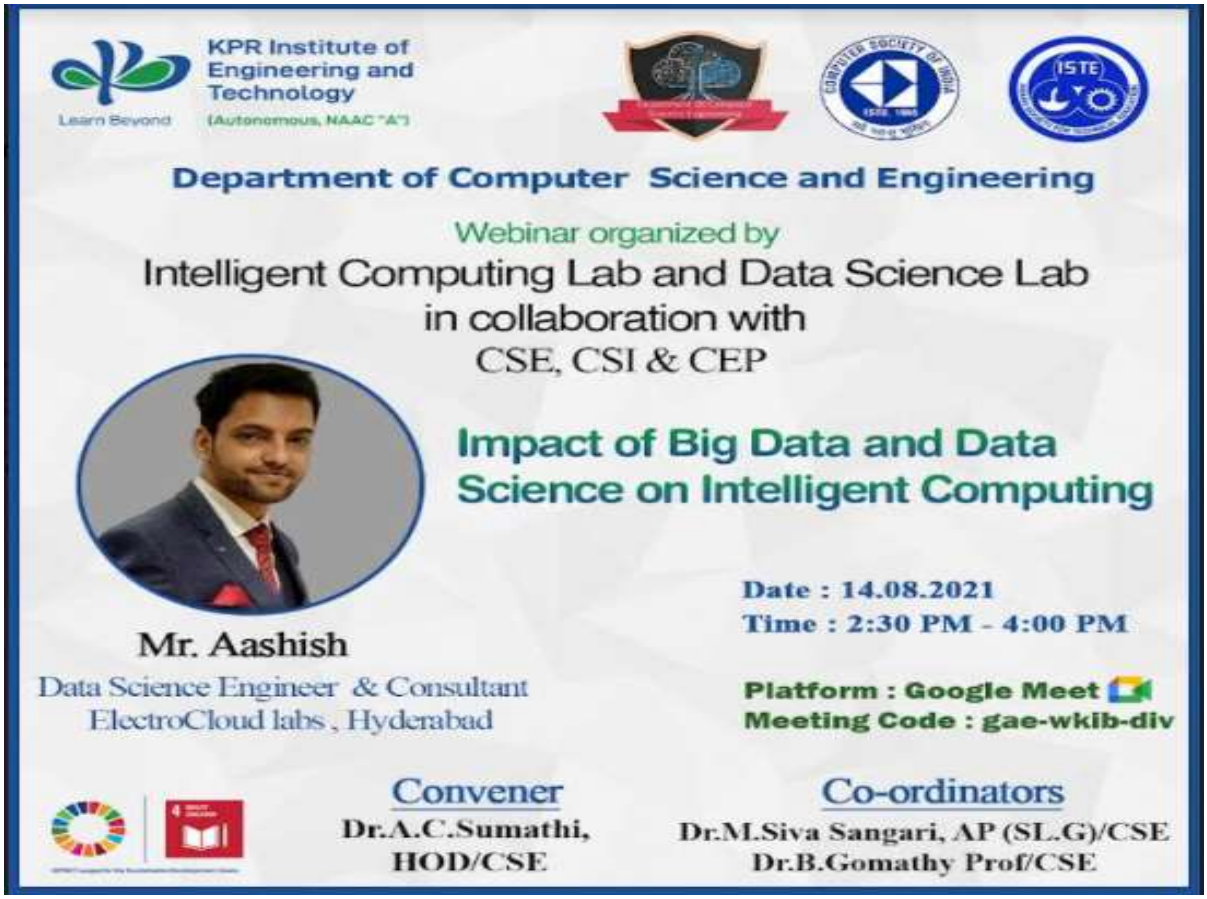
Coimbatore -641 407

Webinar - “Introduction to immersive Technology: AR and VR”

The programme was organized by the Computer Science and Engineering Department and AR & VR Special lab. The aim of the program to given a bird’s eye view on the immersive technology: AR and VR. Dr. Issac Joel Raj addressed students on the industry 4.0 and the other emerging trust areas where the computer science and engineering students can work on. Total of 08 faculty members and 22 students attended the programme.

Webinar - Impact of Big Data and Data Science in Intelligent Computing

The programme was organized by the Intelligent Computing Special Lab, Computer Science and Engineering department in association with CSI Chapter, on 14.08.2021 from 2.30pm to 4.00pm so as to make the students on the aware of the “Role of Big Data and Data Science in the field of Intelligent Computing. Mr.Aashish, Data Science Engineer and Consultant, Electrocloud labs, Hyderabad addressed students on the various applications of AI,ML,DL. He also presented the realtime applications of AI,ML,DL and the role of big data in IoT based applications. He also clearly stated the interconnections between these emerging areas and how they support to solve complex problems. Total of 50 students attended the programme. The students raised their queries which was cleared by the resource person.



Report on Webinar - “Machine Learning Algorithms and Applications”

The programme was organized by the Computer Science and Engineering Department in association with the Data science Lab and CSI, so as to make the students on the aware of the “Machine learning algorithms”.

Ms. Madhuri Gopal addressed students on the machine learning algorithms for the students and faculty members of CSE department. She discussed about the topics to be concentrated while implementing any projects. She also discussed about the various online resources available for implementing machine learning algorithms and shown live demo for solving some real time applications. She also informed the students about the importance of the opportunities available in this domain.

Total of 12 faculty and 20 students attended the programme. The students raised their queries which was cleared by the resource person.

Webinar - “Engineering Animation"

Department of Computer Science Engineering in association with MAYA MAAC Academy organized an Orientation Program titled "Engineering Animation". The Program was coordinated by Ms.M.Salomi. The Objective of the Program is to make the students understand the importance and impact of animation in engineering. The Speaker (Mr.Dhandapany) explained the importance of animation in all engineering streams such as Civil, CSE, AI&DS, ECE, EEE, BME and Chemical. He insisted the students to explore the career courses in multimedia, broadcast, animation, and production that open doors to lucrative jobs in the media and entertainment industry. Brief introduction about animation, gaming, VFX, broadcast, photography, filmmaking, and web designing courses had been elaborated. Animated videos for each department related to their stream was streamed and explained. Finally the query session was initiated and the speaker clarified the queries posted from the students end regarding the course, fee structure and duration of the course.

KPRIET

Department of Computer Science and Engineering
KPR Institute of Engineering and Technology
Online Orientation Programme
on
Awareness on Animation
Enter the Exciting World of Creativity

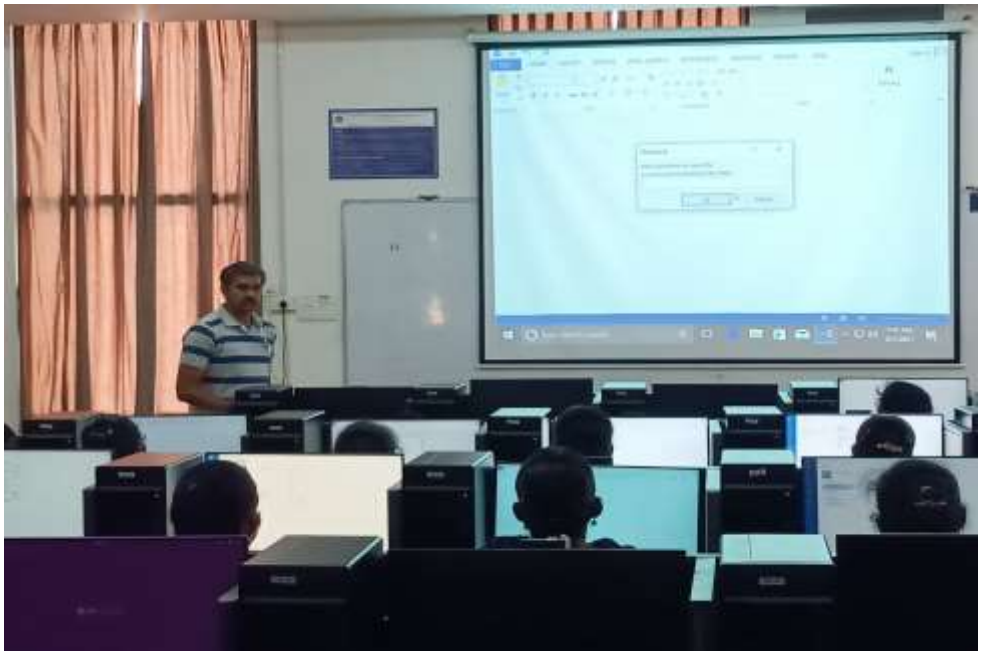
Date: 26-07-2021 to 29-07-2021

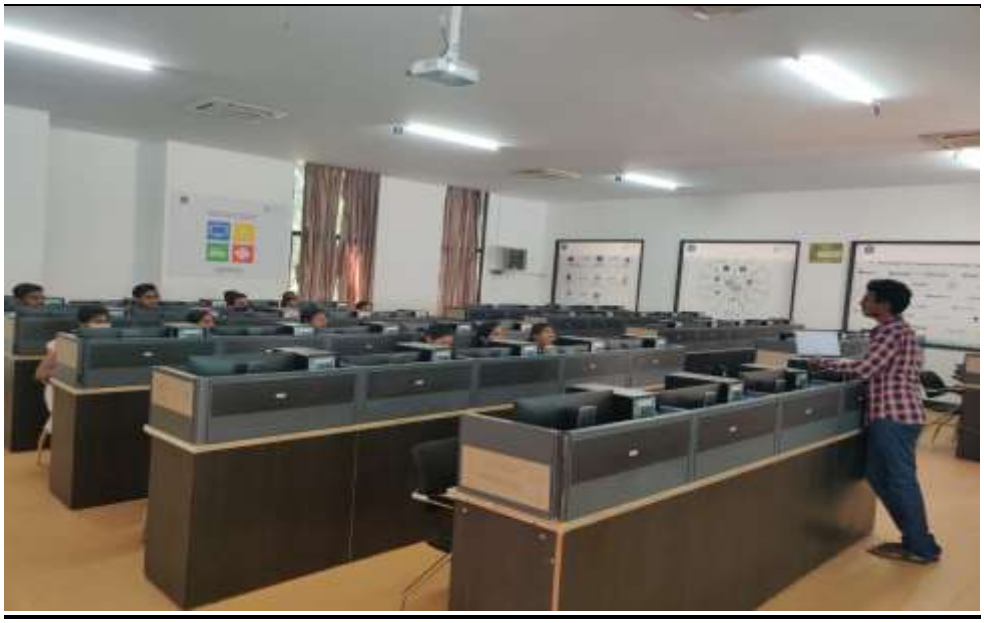
Schedule

Date	12.00PM to 12.30PM	12.45PM to 1.15PM	1.15PM to 2.00PM	2.00PM to 2.30PM	2.45PM to 3.15PM	3.30PM to 4.00PM	Program
July 26,2021 (Day1)	I Year CSE,AI&DS	I Year ECE	Lunch Break	I Year EEE	I Year Chemical	I Year BME	Engineering Animation
July 27,2021 (Day 2)	II Year CSE & AI & DS	II Year Mechanical & Civil		II Year ECE & EEE	II Year Chemical & BME		
July 28,2021 (Day 3)	III Year CSE	III Year Mechanical & Chemical					
July 29,2021 (Day 4)	III Year ECE & EEE	III Year Civil & BME					

Workshop - “MS Office and ERP Activities”

The Programme was organized by Computer Science and Engineering department on 07.08.2021 & 09-08-2021 AN so as to make the non-teaching faculty on the aware of the “MS Office and ERP Activities”. The main objective of his workshop to create insight among participants about MS Office tricks and effective usage and smart calculations through excel sheets and ERP application. Total of 20 non-teaching faculty attended the programme and get benefitted.





Guest Lecture - “Database Normalization”

The programme has been organized by the Computer Science and Engineering Department in association with ISTE Faculty Chapter. It is planned as a part regular academic course subject Database Systems. Mr S. Kharthikeyan, Junior Technical Coordinator, Expian Technologies, Bangalore is being as resource person.

The event is started with the welcome address given by Dr J. Muralidharan Asso. Professor & ISTE Coordinator. The students from various departments participated the event. The are total of 30 participants attended the programme. The session went fine and participants eagerly participated the programme. The resource person clarified their doubts as well. The vote of thanks is given by Mr M. Naveenkumar, AP / CSE.

Webinar - “VMware and Virtualization”

The programme has been organized by the Computer Science and Engineering Department in association with Office of Alumni Relations and ISTE College Chapter. It is planned for Undergraduate students.

Dr.M.Saravanan, Assistant Professor (Sl.G) gave welcome address. He delivered agenda of the program. Dr.A.C.Sumathi, Head-CSE given her felicitation address and encouraged the students participate the session interactively. The resource person Mr. Chudhan Kumar Ramasami, Performance Engineer-MTS3, VMware and Virtualization, Bangalore addressed students starting with his introduction and his experience with the industry. He explained about VMware needs for IT industries and opportunities in virtualization and Hypervisor etc. There are total of 84 participants attended the programme and get benefitted.

Webinar Series I - “Cloud Computing: A Practical Approach for Learning and Implementation”

A Webinar on “Cloud Computing: A Practical Approach for Learning and Implementation” was conducted on 27.08.2021 at 6.30 Pm-7.30 Pm as part of Cloud Computing Special Laboratory. During this session, the basics of Cloud Computing concepts were discussed. The benefits, importance and the path for Learning Cloud Computing were discussed. In specific various job roles in the domain of cloud computing was discussed clearly. Finally, the session outlined the idea to choose right training platform to enrich their knowledge in cloud domain. The top paid and top free contents on learning are pondered. Total of 2 faculty and 21 students attended the programme and get benefitted.

Webinar - “APP ARTIST

Department of Computer Science Engineering in association with App Development special lab organised an Orientation Program titled "App Artist". The Program was coordinated by Ms. Salomi Samsudeen. The Objective of the Program is to make the students understand the importance of App Development. The Speaker(Ms.M Salomi Samsudeen) explained the importance of App Development and listed various tools used for developing apps both in Android and IOS. The Power of JAVA Programming was demonstrated using Amazon Web Page and Java Script. Small Demo had been shown by using the apps which had already been created and launched. The Speaker had made the Participants Visualize the hands-on practice on Object Animation that will be helpful for game development. Finally the interested students list had been collected.

Signing of MoU with Growth OnDemand LLP

The MoU signing ceremony was organized by the Computer Science and Engineering Department in association with the IIPC Cell to sign MoU between KPR IET and GoD LLP. Dr.A.C Sumathi, Professor of CSE, delivered the welcome address and presented profile of the Institute and the CSE Department. Mr Moses Sam Paul, Co-founder GoD LLP, presented the profile of the company and further shared the list activities planned for KPR IET. Further, Dr.M.Akila, Principal, KPRIET, delivered the felicitation address and clarified the core activities planned by GoD LLP for the students and faculty members of KPR IET. Next, the MoU document was signed by both KPR IET and GoD LLP as part of the ceremony.Dr.T.Sivakumar, Associate Professor of CSE, concluded the session with Vote of Thanks.

MoU with bitsCrunch

The MoU signing ceremony was organized by the Department of Computer Science and Engineering in association with the IIP Cell.

Dr.A.C Sumathi, Head of the department - CSE, delivered the welcome address and presented the profile of the Institute. Mr Vijay Pravin Maharajan, Founder & CEO, bitsCrunch, Germany presented the profile of the company and shared the possible areas of collaboration. Dr.M.Akila, Principal, KPRIET, delivered the felicitation address and interacted with the industry personnel. Next, the MoU document was signed by both KPRIET and bitsCrunch. The Chief Executive of KPRIET, Dr.A.M.Natarajan, Head-Industry Institute Partnership Cell (IIPC), Dr.R.Kiruba Shankar and the Department IIPC coordinator, Dr.M.Siva Sangari were present during the occasion. Dr.J.Indra, Associate Professor of CSE, proposed the vote of thanks.

Journal Publications by Faculty

1. Dr.Syed Khasim , Dr.M.Pandi, Dr T Sivakumar, Dr.S.Veeramani, Purshottam J. Assudani, Dr.S.Karthick, July 2021, " A Hybrid Bird Swarm-Differential Search Methods, Based On Wsn For Trusted Cluster- Based Energy And Lifetime Aware Routing", International Journal of Aquatic Science, Vol 12, Issue 01, July 2021, ISSN: 2008-8019.
2. Sivaramakrishnan Rajendar , Dhivya Rathinasamy, Pavithra R, Vishnu Kumar Kaliappan, S. Gnanamurthy, July 2021, "Prediction of stopping distance for autonomous emergency braking using stereo camera pedestrian detection", Materialstoday: Proceedings.
3. J.Jeyabharathi , V.Sakthivel , R.Sivaramakrishnan, Aug 2021, Hamburger Stand Support System Using Supervised Machine Learning Algorithms, Journal of Physics: Conference series, Vol. 1979, Series. 012029.

Placement Activities

- 3 of our students from **2022 batch** got placed in **MAHATHI INFOTECH** with salary package of **4 LPA**

  1. Nithyasree - CSE
  2. Tarunika - CSE
  3. Manoj – CSE

- 3 of our students (CSE - 3) of **2022** & 2023 batch got placed in **CES Limited** (**Chennai**) with **6.5 LPA** package

  1. Rahul B / CSE (2022)
  2. Dharun R / CSE (2023)
  3. Abishek Velavan D/CSE (2023)

- 2 of our students of 20**22** batch got placed in VVDN with **3**.2 LPA package

  1. Ezhil P
  2. Prasath L

- 6 of our students of **2022** batch got placed in MPHASIS with 4.0 LPA package
  1. Anu Prabha K
  2. KaviPriya K
  3. Maheswaran S
  4. Nishanth M
  5. Selvatharani
  6. Sasmithaa

Faculty Participation

Name	Event Type	Title of the Event	Name of the Organization	Date(From)	Date(To)	Duration(in days)
Surendran D.	Others	Mentor Programme	AICTE NITTTRC	14/06/2021	18/06/2021	5

Deviations (if any)