TECH RADAR

January - December 2021

Volume 3

magazine
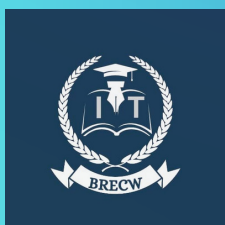
DEPARTMENT OF INFORMATION TECHNOLOGY

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Department of Information Technology

Department Vision

- To emerge as a department of excellence in using cutting–edge technology by empowering women with sound technical knowledge to meet the future needs and challenges of the society.

Department Mission

- Department is committed to provide an enriching & conducive environment to build tools through the values of compassion and respect.

- To provide a holistic learning environment which will help students improve their personal and professional skills.

- To create an ambience that will contribute in creating self-reliant, innovative and entrepreneurial professionals, who shall contribute to the growth of technology.

- To develop a passion for learning through practical approach.

- The Department is dedicated to fostering an enriching and supportive environment founded on the principles of compassion and respect.

- Our goal is to offer a holistic learning experience that empowers students to enhance both their personal and professional skills.

- We strive to cultivate an atmosphere that nurtures self-reliance, fosters innovation, and inspires entrepreneurial spirit among our students, thereby preparing them to make significant contributions to the advancement of technology.

- Through a practical approach to learning, we aim to instill a lifelong passion for acquiring knowledge and skills among our students.

ABOUT COLLEGE

Bhoj Reddy Engineering College for Women is run by Sangam Laxmibai Vidyapeet, a registered voluntary social action group working since 1952 for empowerment of women and girls through education. The Vidyapeet has more than 60 years of experience in the field of education.

The College was established in 1997. It is managed by an executive committee consisting of persons with along experience in the field of education. Within a short period, it has emerged as one of the premier engineering colleges in the state.

The College campus has the unique advantage of being located in the heart of the city and yet free from noise and dust pollution. With considerable open space and greenery spread over 6.5 acers of land, the campus provides an ideal ambience for the engineering education of girls.

Faculty

The College has able and committed faculty. The development of faculty is pursued vigorously on a continuous basis. The selection of faculty members is made every year by the JNTU selection committee through an open advertisement in the leading newspapers. The College encourages the faculty members to pursue higher studies and research by extending special facilities.

Infrastructure

All Class rooms are provided with LCD facilities for conducting lectures and presentations effectively. Tutorials are conducted regularly and, for this purpose, separate tutorial rooms are provided in each department. An open air theatre to accommodate more than 1200 is also available in the college campus. A full fledged 'Ramdev Convention Center' with a capacity of 300 will be ready for the academic year 2012-13 for conducting curricular, co-curricular and extra-curricular activities.

The College Timings are 9:30am to 4:30pm. There will be 6 periods of 60 minutes duration in a day, with a lunch break of 60 minutes. The College attaches great importance to attendance and rewards students having good attendance.

Student Chapters

Presenlty, the College has Students Chapters, namely (i) Institution of Electrical & Electronics Engineers (IEEE), (ii) Indian Society for Technical Education (ISTE), (iii) Institution of Electronics & Telecommunication Engineers (IETE) and (iv) Instrument Society of India (ISOI).

Academic Activities

The College has been in the forefront in organizing various short-term courses, conferences, symposia, workshops, seminars and special lecturers.

PRINCIPAL MESSAGE

Dr C Berin Jones
Principal
BE (CSE), ME (CSE), MBA, PhD (CSE)
Member of IEEE, Professional and SIGITE
Member of ACM Life Member of ISTE

Dear Students,

Today the country is in great need of technically sound graduates having a strong aptitude to work with zeal and fervour. Our college focuses on offering the best of the Technical Education for the overall development of the students. When you walk out of the campus, you can be competent enough in carrying out 011 your personal os well os social responsibilities. Thanks to the Training and placement cell of our college which intends students be aware of the various job opportunities, imports the necessary training and skills, and conducts campus interviews to recruit themselves in the final year of the, graduation. It ploys o crucial role in helping students to kick-start their career in their respective fields. I om pleased that the students ore well-known about all curricular, co-curricular and extra-curricular activities along with substantial emphasis on sports and cultural activities. I specially wish to congratulate G Horshini, a student of Computer Science and Engineering of 2014-18 botch, for having topped the university examinations and bogged two gold medals from JNITUH and also to our senior faculty members who hove been felicitated for their twenty years of service in our college. Further, I appeal to all the students to give their best and take the maximum advantages of all the available resources so os to hove o brit lions career in future.

Congratulations to all the contributors, student coordinators and faculty members of the Magazine Committee on the successful publication of this magazine!

> **"Seize every opportunity, embrace every challenge, and let your determination pave the way to success!"**

HOD MESSAGE

Dr C Murugamani
Associate Professor
Head of IT Department
BRECW

Dear Students,

It gives me immense pleasure to release annnual departmental magazine of IT. Our College is one of the premier institutions, unique like a prism reflecting the manifold shades of learning and co-curricular activities.

The very motto of our department is to provide quality education. The process of learning is extremely important in life. What you learn, how you learn and where you learn play a crucial role in developing ones intellectual capability, besides career.

Along with academic knowledge CSE also trains its Engineers to face the challenges in life by providing many value added courses to enhance their career prospects. The excellent infrastructure, teaching faculty of the best kind ensuring quality education such as interaction among students, parents and staff, along with a Training and Placement Cell ensures a bright future to its students.

"Considering mentoring as a life-time commitment, we motivate students to achieve academic excellence with life skills"

Dr C Murugamani

Faculty Acheivements

Dr.C.Murugamani filed a patent on " Big Data for secure Email spam filtering" on 16/7/2021 in the domain of " COMPUTER SCIENCE"

C Murugamani published paper on "Importance of Online Education during a Covid-19 Pandemic", Turkish online journal of qualitative inquiry, [Volume: 12, Number: 07 (2021) July 2021, e-ISSN 1309-6591], pages: 6293-6299.

C Murugamani published paper on "A Novel Framework for Evaluation of Trust in Mobile Adhoc Networks using Flower Pollination Algorithm", Annals of R.S.C.B., ISSN:1583- 6258, Vol. 25, Issue 4, 2021.March 2021, Pages: 17631 – 17639.

Sandhya Rani M., Rekha R., Sunitha K.V.N. published paper on "International Journal of Scientific Research in Network Security and Communication (IJSRNSC) on "An efficient and secure ID based Asymmetric Key Management Scheme for Dynamic Groups", vol.9, issue 2, April 2021, pp:1-4

Sandhya Rani M., Rekha R., Sunitha K.V.N. "The International journal of analytical and experimental modal analysis (IJAEMA) on "An efficient Symmetric Key Management Scheme for Dynamic Groups", Volume XIII, Issue V, May 2021, pp:1811-1815

Y Prashanth1, T Santosh2, V Chandra Prakash3 published paper on Predicting the impact of Adverse Drug-Drug Journal of Xi'an University of Architecture & Technology ISSN No : 1006-7930

1.T.Santosh, 2.Sandinti sivakumar 3.Anushaanjali 4.Gandla ShivaKanth published paper on Optimal Measure to Ensure Healthiness in Text Organization and ClusterICRIEIT-21- 148ISSN: 2233-7857

D Naveentha Big Data Analytics: Overview, methods, challenges, tools Feb-21,ICRIE

D Naveentha Factors Affecting Team Performance in agile software development projects Feb-21,ICRIE

Md shakeel Technical Analysis And Evaluation Of Performance Between Nosql And Sql Data Bases In Data Centric Applications (International Journal of Research and Analytical Reviews 2021).

STUDENT PUBLICATIONS
ACADEMIC YEAR 2021 – 22

S.No.	Roll No	Name of the Student	Title	Journal name
1	21325A1208	B. Rishwitha pavani	Empowering Agricultural Trade Transparency And Security Using Blockchain	International Journal of Modern Electronics and communication Engineering
2	20321A1273	Garlapati Sanjana Reddy		International Journal of Modern Electronics and communication Engineering
3	20321A1269	Modina Sandhya	Bird Call Classifier Using Machine Learning	International Journal of Modern Electronics and communication Engineering
4	20321A12A8	B Vaishnavi		International Journal of Modern Electronics and communication Engineering
5	20321A1283	Shreya Vuppala	Bisecting K-Means Algorithm To Cluster The Candidate Groups	International Journal of Modern Electronics and communication Engineering
6	20321A12B4	Eadara Varshini		International Journal of Modern Electronics and communication Engineering
7	20321A12B3	Challa Varsha	Sanitizable Access Control System For Secure Cloud Storage Against Malicious Data Publishers	International Journal of Modern Electronics and communication Engineering
8	20321A12A7	Shivakoti Udayasri		
9	20321A1265	Sai Priya	Parkinson's Disease Prediction	International Journal of Modern Electronics and communication Engineering
10	20321A1277	R Shivaani Siri		
11	20321A1264	T Sai Pragna	Detecting Group Shilling Attacks in Online Recommender system Based On Bisecting K means Clustering	International Journal of Modern Electronics and communication Engineering
12	20321A1267	Ganji Sai Sushma		International Journal of Modern Electronics and communication Engineering

STUDENT PUBLICATIONS

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13	20321A1276	Bommareddy Satya Priya Reddy	International Journal of Modern Electronics and communication Engineering
14	20321A1288	Boda Siri	International Journal of Modern Electronics and communication Engineering
15	20321A1287	Sidra Takreem	International Journal of Modern Electronics and communication Engineering
16	20321A1289	Soniya Rathod	International Journal of Modern Electronics and communication Engineering
17	20321A1271	Erigela Sandhya Rani	International Journal of Modern Electronics and communication Engineering
18	20321A12A3	Tatuku Tejaswini	International Journal of Modern Electronics and communication Engineering

Rows 13–14: **mental health tracking using machine learning**
Rows 15–16: **Indian currency classification using deep learning**
Rows 17–18: **Chatbot System for College**

19	20321A1281	Shreya Amagowni	Speech to Indian Sign Language	International Journal of Modern Electronics and communication Engineering	https://www.ijmece.com/ijmeceadmin/upload/ijlbps_6634943cad5a2.pdf
20	21325A1212	Shriya Kandukuri			
21	20321A1278	Malepu Shivani	Animal Detection and Collision Avoidence System	International Journal of Modern Electronics and communication Engineering	https://www.ijmece.com/ijmeceadmin/upload/ijlbps_663493a966ba5.pdf
22	20321A1297	Karnati Srividhya			https://www.ijmece.com/ijmeceadmin/upload/ijlbps_663493a966ba5.pdf
23	20321A1207	Aparna manda	Student eligibility system for job/internship	International Journal of Innovative Engineering and Management Research	https://www.ijiemr.org/public/uploads/paper/995551693556561.pdf
24	20321A1259	B Rupa			
25	20321A1228	Yarrabothu Jagadeeshwari	Advance intelligent vedio surveillance system	The International journal of analytical and experimental modal analysis	https://drive.google.com/file/d/1HjVWijrZ_C0zEq7Cr9oHJyiQ_rJwtrWk/view
26	20321A1215	Pinikeshi Bindu priya			
27	20321A1213	V Bhavana	Spammer Detection and Fake User Identification on Social Networks	Journal of Interdisciplinary Cycle Research	https://drive.google.com/file/d/1-920NNF4h8GS0MPqlaSYlvQO5ZXgvwhR/view?usp=drivesdk
28	21325A1201	B Akhila			
29	20321A1209	Cheruku Ashritha	Smart Object And Text Detection with Multilingual Translation	International Journal For Innovative Engineering and Management Research	https://www.ijiemr.org/downloads/paper/Volume-12/smart-object-and-text-detection-with-multilingual-translation
30	20321A1234	J Kiranmai			

31	20321A1217	O Deekshitha	Detecting Mental Disorders in Social Media Through Emotional Patterns The case of Anorexia and Depression	IEEE	https://ieeexplore.ieee.org/document/9416889
32	20321A1218	P Deekshitha			
33	20321A1220	Bandi Divya	recipe predictor based on preferred ingredients	Journal of Interdisciplinary Cycle Research	https://drive.google.com/file/d/1QALywUvXf-POrHsAvlKiDHB1sL8BXF0s/view
34	20321A1221	Cheedalla Harika			
35	20321A1239	Dammannapeta Laxmi Jahnavi	Agroassist (Crop Recommendation) using Machine Learning	The International journal of analytical and experimental modal analysis	https://drive.google.com/file/d/1HCNmG81niOjbWLqQ3gcN21HThvMD4S7x/view?usp=sharing
36	20321A1240	Madhavarapu Laxmi Priya			
37	20321A1227	Hrithika Athineni	The Emerging Era of Human-AI Interaction	The International journal of analytical and experimental modal analysis	https://drive.google.com/file/d/1wxCqb25LBJbSVTsIlztoYZZgCY5eaQ5Y/view?usp=sharing
38	20321A1226	Hrishitha Ramavath			
39	20321A1223	B. Harshini	Missing Person Helpline system	International Journal of Modern Electronics and communication Engineering	https://www.ijmece.com/ijmeceadmin/upload/ijlbpr_6513c108037a7.pdf
40	20321A1233	M. Kavya Sri			

41	20321A1216	Chandu Priya Rajulapati	Local Bus Reservation System	Journal of Interdisciplinary Cycle Research	https://drive.google.com/file/d/1kIzUTY3bV1W-Mw_I3vsMMDCKmHb0t9tc/view
42	20321A1225	Harshitha Yeluvaka			
43	20321A1236	K Krithika Reddy	YouTube Spam Comments Detection	International Journal of Applied Science Engineering and Management	https://ijasem.org/ijasemadmin/upload/ijlbpr_64e9d9071172d.pdf
44	20321A1238	Laheeri Sabnekar			
45	20321A1237	Lahari Tipirishetty	Ultimate Frolic Hub	International Journal of Applied Science Engineering and Management	https://ijasem.org/ijasemadmin/upload/ijlbpr_64f96d165a1d5.pdf
46	20321A1241	P Madhuri Sri			
47	20321A1208	Arathi Boddam	Tourism Management System	International Journal For Innovative Engineering and Management Research	https://www.ijiemr.org/downloads/paper/Volume-12/tourism-management-system
48	20321A1212	Bhavana Reddy Mannem			
49	20321A1203	Adithi Chittupolu	Online Car Rental System	Journal of Interdisciplinary Cycle Research	https://drive.google.com/file/d/11CWaj_G40silbgCIjuehcCxjouuw98g_/view?usp=sharing
50	20321A1204	Anooja Vuppala			

51	20321A1232	Kavya Reddeddy	Cyber Security Threats in the Internet of Things (IOT) Era: Challenges and Solutions	International Journal of Modern Electronics and communication Engineering	https://www.ijmece.com/ijmeceadmin/upload/ijlbpr_6513c0682663c.pdf
52	20321A1254	Poojitha Alakuntla			
53	20321A1219	Vanguru Dharani Reddy	Agriculture Waste Usage Management	Journal of Interdisciplinary Cycle Research	https://drive.google.com/file/d/1coIO7-nDyPDrGVUOnG5PQT-rgJ2a1SEY/view?usp=sharing
54	20321A1252	Nikitha Konda			
55	20321A1251	Niharika Chavatapalli	Smart food storage and waste reduction	The International Journal of analytical and experimental modal analysis	https://ijaema.com/index.php/volume-xv-issue-viii-august-2023/
56	20321A1253	Athmakur Nikitha Reddy			
57	20321A1222	Vundamathi Harika Rani	Drowsy Driver Detection system	International Journal For Innovative Engineering and Management Research	https://www.ijiemr.org/downloads/paper/Volume-12/drowsy-driver-detection-system
58	20321A1249	Challamalla Namitha Reddy			
59	20321A1210	Sula Ashritha	Web application for health workers to monitor nutrition among women and children	The International journal of analytical and experimental modal analysis	https://drive.google.com/file/d/1-k_q2Qw2uoXChmYwqfcIPyqgWbZFSRbV/view?pli=1
60	20321A1214	Putsala Bhavani Maha Laxmi			https://ijmrbs.org/previous_issue.php?year=2023&issue=3
61	20321A1244	Anumala Manasvini	A study on Freelancer and job Consultancy	International Journal of Management, Research and Business strategy	https://ijmrbs.org/previous_issue.php?year=2023&issue=3
62	20321A1250	Jangamgari Navaneetha			

63	20321A1247	Momina Fathima	Is it possible for robot to live peacefully with human	JAC : A Journal Of Composition Theory	https://drive.google.com/file/d/11I9LsqWnWxt2-pc4uSZj7q7X2xWC3ItA/view?pli=1
64	20321A1248	Najmunnisa Begum			
65	20321A1242	Pathlavath Mamatha	Qr Attendance management system	Journal of Interdisciplinary Cycle Research	https://drive.google.com/file/d/11-PNCmdqs9u5Q7s5QiXYr5DalLmQjOjO/view?usp=drivesdk
66	20321A1243	Mudavath Manasa			
67	20321A1205	N Anushka	Voice Based Prescription Generation System	International Journal of Modern Electronics and communication Engineering	https://www.ijmece.com/ijmeceadmin/upload/ijlbpr_6513c17616f40.pdf
68	20321A1206	M Anvitha			
69	20321A1245	Koilkar Chowdari Manisha	User-centred design of a mobile health application for Chronic disease Management	Journal of Interdisciplinary Cycle Research	https://drive.google.com/file/d/1IUwvDF8Ww1KInmZcM-L2h0IPOrMEIly7/view?usp=sharing
70	20321A1246	Mohammad Nasera Thabassum			
71	20321A1202	kappala Abhinaya	ETHICAL CONSIDERATION IN AI AND ROBOTICS: TOWARDS RESPONSIBLE AI DEVELOPMENT	International Journal of Management, Research and Business strategy	https://ijmrbs.org/view.php?iid=89
72	20321A1201	Yeddula Aanandita			

| 73	20321A1256	Manikyam Prathyusha	Ethical Hacking	international journal of mathematical, modeling,simulation and applications	https://ijmmsa.com/previousissue.php?year=2023&issue=3
74	20321A1229	Katta Jeevana			
75	20321A1260	Tadakamalla Sahasra	Complaint Management System	JAC : A JOURNAL OF COMPOSITION THEORY(JCT)	https://jctjournal.com/volume-16-issue-9-2023
76	21325A1204	Palle Harika			
77	20321A1258	C Radhika	Image Search Engine Using DeepLearning	INTERNATIONAL JOURNAL FOR ADVANCED RESEARCHS IN SCIENCE & TECHNOLOGY	https://www.ijarst.in/downloads/paper/Volume-13/image-search-engine-using-deep-learning
78	21325A1205	P Kiranmai Yadav			
79	21325A1202	Manipati Anusha	Spy Camera Android App	international journal of mathematical, modeling,simulation and applications	https://www.ijmmsa.com/previousissue.php?year=2023&issue=3
80	21325A1206	Alampally Pavani			

Edge Computing

Abstract

In recent years, the Edge computing paradigm has gained considerable popularity in academic and industrial circles. It serves as a key enabler for many future technologies like 5G, Internet of Things (IoT), augmented reality and vehicle-to-vehicle communications by connecti ng cloud computing facilities and services to the end users. The Edge computing paradigm provides low latency, mobility, and location awareness support to delay-sensitive applications. Significant research has been carried out in the area of Edge computing, which is reviewed in terms of latest developments such as Mob ile Edge Computing, Cloudlet, and Fog computing, resulting in providing researchers with more insight into the existing solutions and future applications. This article is meant to serve as a comprehensive survey of recent advancements in Edge computing highlighting the core applications. It also discusses the importance of Ed ge computing in real life scenarios where response time constitutes the fundamental requirement for many applications. The article concludes with identifying the requirements and discuss open research challeng es in Edge computing. Keywords: Mobile Edge

Conclusion Edge computing envisions to bring services and utilities of Cloud computing closer to the end user for ensuring fast processing of data-intensive app lications. In this paper, we comprehensively studied the fundamental concepts related to Cloud and Edge computing. We categorized and classified the state-of-the-art in Edge computing (Cloudlets, Fog and Mobile E dge computing) according to the application domain.
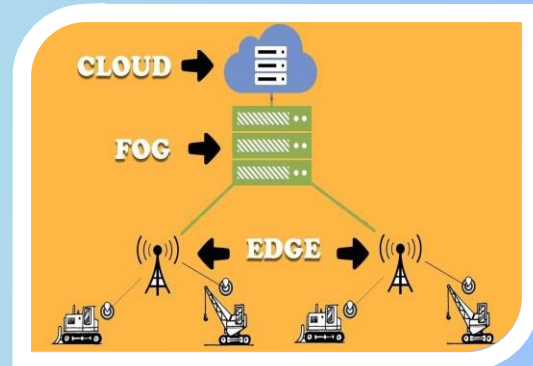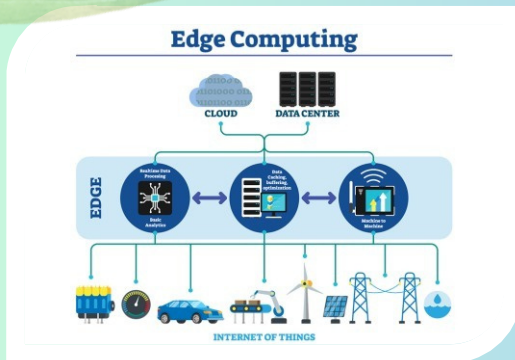
Cyber Security & Crimes

Abstract

The world has become more advanced in communication, especially after the invention of the Internet. A key issue facing today's society is the increase in cybercrime or e-crimes (electronic crimes), another term for cybercrime. Thus, e-crimes pose threats to nation s, organizations and individuals across the globe. It has become widespread in many parts of the world and millions of people are victims of e-crimes. Given the serious nature of ecrimes, its global nature and implications, it is clear that there is a crucial need for a common understanding of such criminal activity inte rnationally to deal with it effectively. This research covers the definitions, types, and intrusions of e-crimes. It has also focused on the laws against e-crimes in

Technical Seminars

MICROSOFT POWER BI

Abstract:

Power BI one of the Data Visualization and Business Intelligence Tool. It helps to convert data from different data sources into interactive dashboards and BI reports. It provides multiple software connectors and services. Various Power BI versions like Desktop. Service-based(SaaS). and mobile Power BI apps are using for different platforms. Those services we can see at Power BI online training and that are used by business users to consume data and to build BI reports. Power BI desktop for mac app is used for creating reports. And also Power BI SaaS is used for publishing those reports. as well as Power Bi mobile app is used to view the reports and dashboards. Power BI Desktop: Power BI Desktop is one of the primary authoring and publishing tools. Most of the users and developers use it to create new brand models and reports. This tool is available free of cost. With the help of this tool, we can connect to multiple different sources of data. By using this tool, we can build visuals. collections as well as we can share reports with other people inside our organization. Most of the users are using BI desktop to create reports as well as use to share their reports with other people.

Keywords: Data Visualization. Business Intelligence, Dashboards, Service-based(SaaS).

ARTICLES

Internet Of Things

The Internet of Things (IoT) represents a transformative shift in how we interact with technology and the world around us. It encompasses a vast network of interconnected devices, ranging from everyday objects like home appliances and wearable gadgets to industrial machines and vehicles, all equipped with sensors and software that enable them to collect and exchange data. This interconnectedness allows for seamless communication and automation, driving efficiency, convenience, and innovation across various sectors such as healthcare, transportation, agriculture, and smart cities. By harnessing the power of IoT, organizations can make data-driven decisions in real time, improve operational efficiency, and enhance customer experiences. However, as IoT continues to evolve, ensuring security, privacy, and interoperability remains crucial to realizing its full potential while addressing concerns about data protection and ethical implications.

The Internet of Things (IoT) revolutionizes our interaction with technology, connecting diverse devices—from everyday gadgets to industrial machinery—via sensors and software. This network facilitates data exchange, enhancing efficiency, convenience, and innovation in sectors like healthcare, transportation, and agriculture. By leveraging IoT, organizations can make real-time, data-driven decisions, optimizing operations and enriching customer experiences. Yet, as IoT advances, prioritizing security, privacy, and interoperability is vital to fully realizing its benefits, while responsibly addressing concerns over data protection and ethical considerations.

Future Cloud Compting Trends

Cloud computing is poised to undergo several significant trends that will shape its future landscape. One key trend is the increasing adoption of serverless computing, which allows developers to focus on writing code without managing infrastructure. This shift simplifies deployment and scalability, making it easier to build and run applications efficiently. Another trend is the rise of hybrid and multi-cloud environments, where organizations use a combination of cloud services from different providers to optimize performance, cost, and resilience. Edge computing is also gaining traction, enabling data processing closer to where it's generated, reducing latency and bandwidth usage, crucial for applications like IoT and real-time analytics. Moreover, artificial intelligence (AI) and machine learning (ML) are being integrated more deeply into cloud services, enhancing automation, insights, and decision-making capabilities. Security and compliance continue to be critical concerns, driving advancements in cloud-native security solutions and regulatory compliance frameworks. As the cloud computing landscape evolves, these trends are likely to reshape how businesses leverage technology to innovate and stay competitive in the digital age.

Cloud computing is evolving rapidly, driven by several key trends that are reshaping its landscape. Serverless computing is gaining momentum as it allows developers to focus solely on coding without the hassle of managing infrastructure. This shift streamlines deployment and scalability, making application development more efficient and cost-effective.
Another significant trend is the increasing adoption of hybrid and multi-cloud environments. Organizations are leveraging services from multiple cloud providers to optimize performance, cost, and resilience. This approach offers flexibility and mitigates risks associated with vendor lock-in, empowering businesses to tailor their cloud strategies to specific needs.

Augumented Reality vs Virtual Reality

Augmented Reality (AR) and Virtual Reality (VR) are two distinct technologies with unique applications and user experiences. AR overlays digital information or virtual objects onto the real world, enhancing what we see and interact with. It integrates seamlessly with our surroundings, making it ideal for applications like navigation, gaming, and training simulations. In contrast, VR immerses users in a completely simulated environment, blocking out the physical world and creating a fully immersive experience. VR is commonly used for gaming, virtual tours, and training scenarios where complete immersion is desired. Both technologies are rapidly advancing, with AR finding practical applications in industries like retail and healthcare, while VR continues to innovate in entertainment and education.

These technologies are not just transforming entertainment and consumer experiences but are also making significant strides in professional fields such as healthcare, architecture, and engineering. Augmented Reality's ability to overlay medical data onto a surgeon's field of view during operations enhances precision and reduces procedural risks. In architecture and engineering, both AR and VR enable immersive simulations that facilitate design reviews, training, and visualizing complex structures in real-world contexts. As these technologies advance, their integration with artificial intelligence and IoT promises even greater capabilities, ushering in a new era of interconnected digital experiences and practical applications across various industries.

Meanwhile, VR continues to innovate in entertainment and education, offering immersive storytelling experiences and virtual classrooms that transcend physical boundaries. These technologies are reshaping how we interact with information, learn new skills, and engage with entertainment content.

As AR and VR technologies evolve, their integration with artificial intelligence (AI) and machine learning (ML) is further enhancing their capabilities. These advancements promise to unlock new possibilities in fields ranging from consumer electronics to industrial applications, driving innovation and transforming user experiences across the globe.

TechRadar - 2021

This magazine is the only medium to provide proper acknowledgement and respect to all the people who were working behind the scenes, Overtime round the clock, planning things to the smallest and to their efforts which played a vital role in reaching this milestone. Hope this will inspire all of us for a new beginning enlighten with hope, confidence and faith in each other in the road ahead....

We hope this souvenir will enjoy your critical acclaim, bring a smile on your face and lighten up your mood for today
Happy Reading!

Editorial Board

Faculty chief Editor

⟫   Mrs M.Sandhya Rani Mam

Student Co-ordinators:

⟫   **Pranathi Poloju II IT-A**

⟫   **Loka Kalyani Emmadi II IT-A**