

BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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Avalahalli, Yelahanka, Bengaluru - 560064.





BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Vision

To emerge as one of the finest technical institutions of higher learning, to develop engineering professionals who are technically competent, ethical and environment friendly for betterment of the society.

Mission

Accomplish stimulating learning environment through high quality academic instruction, innovation and industry-institute interface.

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Presented by : Dr. Mohan Babu G N Principal, BMSIT&M



Dharmaprakasha Rajakarya Prasakta LATE SRI. B. M. SREENIVASAIAH Founder B.M.S. Educational Trust

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Faculty Achievements

Recognitions

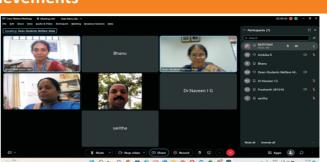
- Dr. P. Ganesh, Professor and Head, Department of MCA is recognised as a research supervisor at the R&D Centre. Department of MCA, BMSIT&M.
- Dr. Keerthi Kumar N, Assistant Professor, Department of Mechanical Engineering has recognized of Research Supervisor/Co-Supervisor for Ph.D/M.S. (Research) program from 3.09.2022 on words form VTU, Belagavi.
- Dr. K. M. Sathish Kumar, Professor and Head, Dr. Jagadeesh.Y. J, Assistant Professor, Prof. Madhu M.C, Assistant Professor, and Prof S. Nithya Poornima Assistant Professor, Department of Mechanical Engineering have received APPRECIATION CERTIFICATE, for outstanding contribution to Institute by giving 100 % results during academic period 2021-22.

Awards

• Prof. M. Sridevi, Assistant Professor, Dept. of MCA successfully defended her thesis under the supervision of Dr. Arun Kumar B.R. on 27.09.2022 at the VTU Research Centre, Dept. of MCA.



 Prof. Sowmyashree M S, defended her Ph.D. work on title "Design and development of Resource allocation and secured routing protocol for WSNs" on 28.9.2022 in the Dept. of Electronics & Telecommunication Engineering, Research Center.



• Prof. Swetha M S. completed "Doctor of Philosophy", and got Provisional Degree Certificate (P.D.C.) on 13th September 2022.

Board of Examination

• Dr. Madhu Palati, Assistant Professor, Dept. of EEE was a BOE Member for PG Programs of Electrical and Electronics Engineering, Nitte Meenakshi Institute of Technology, Bengaluru, Sep-2022.

Faculty as Resource Person

- Dr. Surekha K.B., Associate Professor, Dept. of Information Science and Engineering, was delivered Expert Talk, "Future and Research Challenges of Internet of Things "at Basic FDP ATAL-Idea Lab, VTU, CPGSB, Muddenahalli on 27.09.2022.
- Dr. Swetha M S, Assistant professor, Dept. of Information Science and Engineering, is reviewer for the "IEEE MYSURUCON 2022-The 2nd Edition of the Mysore Subsection Flagship International Conference on 16th & 17th October 2022.
- Dr. Ravichander K.R Assistant Professor, Dept. of Mechanical Engineering has Presented a Technical Session on "Agricultural Waste Material for Biochar Production" in an Online FDP - "Recent Trends in Materials Science and Engineering" organized by Dayananad Sagar Academy of Technology and Management on September 12 – 16, 2022.
- Dr. Nagamadhu M Assistant Professor, Dept. of Mechanical Engineering has Presented a Technical Session on "Thermodynamic properties of fiber reinforced polymer composites" in an Online FDP -"Recent Trends in Materials Science and Engineering" organized by Dayananad Sagar Academy of Technology and Management onSeptember 12-16, 2022.



Best Practices

Reviewer for Journal / Conference

BMS

- Dr. Arun kumar B R, Professor, dept. of Computer Science and Engineering, has been appointed to review the conference papers, ICIOTCT 2022, organized by the Indian Institute of Technology, Patna (IIT, Patna) in collaboration with NITIE, India.
- Dr. Arun kumar B R, Professor, dept. of Computer Science and Engineering, has been designated to serve as a reviewer on the editorial committee for the Inter Journal of Computing and Digital Systems (IJCDS), American Journal, headquartered in New York, IJCDS is indexed in SCOPUS and offers free publications.
- Dr. Madhu Palati, Assistant Professor, dept. of EEE dept. of Electronics and Telecommunication Engineering was a reviewer for International Journal of Environment and Climate Change, Sep-2022.
- Dr. Madhu Palati, Assistant Professor, dept. of Electronics and Telecommunication Engineering was a reviewer for IEEE MYSORE CON 2022, Sep-2022.
- Dr. C. P. Mallikarjuna Gowda, Associate Professor, dept. of Electronics and Telecommunication Engineering, reviewed paper of International Journal on Sensors, MDPI publisher.
- Dr. Swetha M S, Assistant professor, Dept. of Information science and engineering, was a reviewer for the "web of Science journal Asian Research Journal of Current Science" and got an appreciation certificate of excellence of peer reviewing award on 6.09.2022

Faculty Internship

 Dr. Chandrashekharappa Agasnalli, Assistant professor, Dept. of Civil Engineering, BMS Institute of Technology and Management has undergone 2 weeks faculty Internship on Urban planning projects using Remote sensing, GPS and GIS Data from 12.08.2022 to 20.08.2022 and 07.09.2022 to 09.09.2022 at M/s Unnathi Associates, Sahakarnagara Bengaluru.

- Dr. Rajakumara H N, Professor, Dept. of Civil Engineering, has undergone one week faculty Internship on Interior Space planning, Materials usage, and cost estimation from 26.09.2022 to 01.10.2022 at M/s Design Mentors, Yelahanka Bengaluru.
- Prof. Muneshwara M S, Assistant professor, dept. of Computer Science and Engineering has undergone a 10 days industry internship at Master Associates Technology Pvt. Ltd. from 1-9-2022 to 10.9.2022
- Prof. Jagadish P, Assistant professor, of Computer Science and Engineering, has undergone a 10 days industry internship at Sprinkleway Technologies Pvt. Ltd. from 24.9.2022 to 8.10.2022
- Prof. Anand R A, Assistant professor, dept. of Computer Science and Engineering has undergone a 10 days industry internship at Kimshuka Technology.from 26-9-2022 to 08.10.2022
- Prof Saritha I G, Assistant Professor, dept. of Electronics and Telecommunication Engineering and Prof Sowmyashree M S, Assistant Professor, dept. of Electronics and Telecommunication Engineering underwent an internship for 10 days at "Techmind Solutions Private Limited" from 1.9.2022 to 14.9.2022
- Dr. Sumathi M S, Assistant Professor, dept. of Electronics and Telecommunication Engineering underwent an internship for 10 days at "Techmind Solutions Private Limited" from 22.08.22 to 5.09.22
- Dr. Banuprakash R, Assistant Professor, dept. of Electronics and Telecommunication Engineering had undergone an internship for 10 days at Syntronix, Bengaluru from 30.8.2022 to 10.9.2022.
- Prof. Siddiq lqbal had undergone internship for 10 days at Syntronix, Bengaluru from 22.9.22 to 6.10.22
- Dr. Thejaswini S, Assistant Professor, dept. of Electronics and Telecommunication Engineering

had undergone internship for 10 days at "Vtricks Technologies, Vijayanagar, Bengaluru" from 25.08.22 to 8.09.22

- Dr. Mallikarjuna Gowda C P, Associate Professor, dept. of Electronics and Telecommunication Engineering had undergone an internship for 5 days at Vidhya Sangha Technologies Pvt Ltd, Dooravaninagar, Bengaluru from 19.9.2022 to 23.9.2022.
- Dr. Keerthi Kumar N, Assistant Professor, Dept. of Mechanical Engineering has completed industry internship on 3-D Printing at Invihub Techno Solutions Private Limited, Bangalore from 20.09.2022 to 30.09.2022.
- Prof. S.Nithya Poornima, Assistant Professor, Dept. of Mechanical Engineering has successfully completed internship for a period of 10 days in your organization in Shri sakthi Engineering works from 12.09.2022 to 22.09.2022.

FDP conducted/organized

 One Week International Faculty Development Program on "5G Challenges – An Antenna Design Perspective" was conducted from 26.09.22 to 30.09.22. The faculty development program (FDP) was devoted to the fundamental theory, recent developments and research outcomes addressing the related theoretical and practical aspects in the usage of advanced tools and techniques for the Design of Practical RF antennas. The participants of the program gained an exposure to new areas of



research and development being carried out in universities across the globe. It also enhances the research competence of faculty in the areas of RF antennas for 5G challenges by providing exposure to practical problems and solutions.



Skill Development Program

 The Department of Electronics and Telecommunication Engineering conducted skill development program on "SoC Design Methodology Using Intel FPGAs" conducted from 22.9.2022 -26.9.2022.SDP for Technical Staff, PG Students & amp; Faculties. 31 participants have participated in this SDP. Participants were engaged on the following topics through demo and Handson sessions using Intel FPGAs boards (virtual and the DE-10 lite boards available at the ETE Department, BMSIT&M)

Alumni Interaction

 Mr. Pundrik Vinayak, Technical Lead at Altimetrik and 2009-12 batch alumnus delivered an online session on "Hadoop Industry Perspective" for the students of II Semester MCA on 11.09.2022.

Board of Studies

 Department of mechanical Engineering conducted 2nd Board of Studies (BoS) meeting on 2nd Sept 2022 from 9:30am to 1:00 pm at Seminar Hall-2, Academic Block to discuss the syllabus of 3rd and 4th semester.



Research Publication

International Journal

- Saniya Fatima, S Kshama Shetty, Jyoti Roy Choudhuri, K Swamynathan, K Shwetha, Sandeep Kumar "Experimental and theoretical investigation on the anti-corrosive potential of potassium ethyl xanthogenate for corrosion of mild steel in acidic media" Journal of Chemical Sciences 134 pp: 1-9 (2022).
- Prof. Muneshwara M.S, Prof. Anand R, Dr. Anil G.N. "Reduce The Privacy & Security Concerns of Current Social Media Platforms Using Block-Chain Technology" Published in 1st Edition Research Advances in Network Technologies Edited By Anshul Verma, Pradeepika Verma, Kiran Kumar Pattanaik, Lalit Garg Copyright Year 2023, ISBN 9781032340487, Pages: 320, Publisher Routledge Taylor & Francis Group CRC Press Website, 15.9.2022
- Manjunatha Babu P. "Reliability Enhancement Using Static Variable Compensator (SVC) in Worst Case Scenario" Journal of East China University of Science and Technology, Vol.65, 1006-3080.
- C.P. Mallikarjuna Gowda, et.al., "Optimization in the Ad Hoc On-Demand Distance Vector Routing Protocol", Wireless Communications and Mobile Computing, vol. 2022, Article ID 7322291, 11 pages, 2022. https://doi.org/10.1155/2022/7322291
- Prof S.Nithya Poornima Assistant Professor, Department of Mechanical Engineering published a journal paper on Experimental Analysis and Optimization of wind turbine for Domestic application in International Journal of Advance Research, Ideas and Innovations in Technology © 2022, www.IJARIIT.com All Rights Reserved Page |117 ISSN: 2454-132X Impact Factor: 6.078 (Volume 8, Issue 5 - V8I5-1162) Available online at: https://www.ijariit.com

International Conference

• Dr. Rajakumara H N, Performance of Concrete made with Natural Aggregate and Multicycle

Recycled Concrete Aggregate, IOP Conf. Series: Materials Science and Engineering, 1255, (2022) 012019, IOP Publishing, doi:10.1088/1757-899X/1255/1/012019.

Placement Activities @ MCA dept.

 Mr. Akshay Kumar Dave, Software Engineer, Societe Generale and 2017-19 batch alumnus conducted an orientation session on Societe Generale campus recruitment process for the students of II Semester MCA on 17.09.2022.



Project Proposal

 Dr Ravichander K.R, Assistant Professor, Department of Mechanical Engineering has Submitted a Project Proposal titled "Fabrication of an induction heat assisted portal biochar plant: design and development for sustainable agricultural waste management" submitted to KSCST FPP on 15th September 2022.

FDP /Workshops/STTP

Department	No. of faculty attended the DP/Workshop/STTP
CSE	3
ECE	1

Higher Education Activities

During the month of September 2022, 31 students visited HEFC, or contacted HEFC with questions ranging from basic enquiries about higher education opportunities abroad, to seeking help with choosing universities, costs, application timelines, and visa processes.

Scholarship updates have been circulated on an ongoing basis. Students' LORs and SOPs are also being reviewed, as and when help is sought.

On September 14, HEFC participated in the event organized by the US Trade Mission, to enable Indian schools and colleges meet with US universities, explore collaborations, partnerships, and to promote student exchange.

HEFC was represented by Ms. Seema Singh, Ms. Renuka Raja Rao and Ms. Shama H.M.

We were able to have fruitful meetings with the following:

- University of Louisiana, Lafayette: We met with Dr. Ahmed Khattab, Dean of the School of Engineering, Dr. Azmy Ackleh, Dr. Linda Nichols and Dr. Gabriel Carranza. The Engineering school is ABET accredited and is keen to start a 2+2 program with BMSIT. They may even be able to offer in-state tuition, thereby reducing the cost to students considerably. The university has research interests in AI, Virtual Reality, and Cybersecurity, besides Civil Engineering disciplines.
- 2. University of Kansas, Lawrence: We met with Dr. Charles Bankart, Associate Vice Provost for International Affairs. The university welcomes international students and partnerships /collaborations. The Engineering school is ABET accredited and offers Civil, Computer, Electrical and Mechanical post-graduate degrees. They are willing to explore 3+1+1 and 2+2 options, to offer a quicker pathway to Bachelor's and Master's degrees.
- South Dakota State University: We met with Dr. Sanjeev Kumar, Dean of the Engineering School, and Dr. Jon Stauff, Associate Vice President of International Affairs: The Dean of the ABETaccredited Engineering School is keen on working

with us, to promote student mobility through graduate students, 2+2 programs, and research partnerships.

- 4. University of Virginia: We met Clara Hoff, Senior Assistant Dean for International Admissions. Their ABET-accredited engineering school has current research focus on all engineering disciplines, with more than half a billion USD in research expenditure. They work with NASA and many other high-end organizations. Their location makes it easy for international students to get good internships, and later, full-time jobs.
- 5. University of Pittsburgh: We met with Shannon Mischler, Academic Development Program Manager. This state university has an excellent ABET-accredited engineering school and is keen to expand its numbers of international students at both the undergraduate and graduate levels. With strong research and teaching faculty at the engineering school, they look forward to partnerships and collaborations with Indian universities and colleges.





6. State University of New York (SUNY) Stony Brook: We met with Dr. Yu-wan Wang, Associate Dean and Director of International Admissions. She was pleased that we mentioned one of our students, who is currently at SUNY Stony Brook. The university has an excellent engineering school, with pioneering research going in various disciplines. They are keen to welcome more international students to their campus.

7. Ohio Dominican University: We met Natalie Chang, Director of International Education. However, the university does not have engineering programs, and its MBA program is not well recognized.

Innovation Centre Activities

The major activities during September were participating in various initiatives by the Ministry of Education. Brief information of such are mentioned below.

Atal Ranking of Institutions on Innovation achievements- BMSIT&M secured a position under Band-Performer at ARIIA ranking 2021. This was achieved by providing the supportive documents about the institution's Innovation activities, IP activities, Incubation and Entrepreneurship activities majorly. For the year 2022, similar set of activity documents to be provided to secure a position at the ARIIA ranking.

Home **ARIIA RANKING 2021 M** Institute of National University & Deemed to University & Deemed to Colleges/Institutes Colleges/Institutes CFIs (Non-Technical) and (Govt, & Govt, Aided) (Private / Self Financed) General (Non-Technical) Importance & Central be University (Govt. & be University Universities/CFTIs Govt. Aided) (Technical) (Private/Self Financed) (Technical) (Technical) (Technical) (Technical) Colleges/Institutes (Private / Self Financed) (Technical) nd-Excellent Band-Performer Band-Promising Band-Beginner Band-Performer 10 × entries ARIC, 19874 BALA ILINSTITUTE OF TECHNOLOGY & SCIENCE ARI-C-1428 BAPUJI INSTITUTE OF ENGINEERING & TECHNOLOG ARI-C-19637 BHARAT INSTITUTE OF ENGINEERING & TECHNOLOGY ARLC:35417 BHARATI VIDYAPEETH (DEEMED TO BE UNIVERSITY) COLLEGE OF ENGINEERING PUN ARI-C-33773 BHARATIYA VIDYA BHAVAN'S SARDAR PATEL INSTITUTE OF TECHNOLOGY ARI-C-16658 BHILAI INSTITUTE OF TECHNOLOGY ARI-C-1336 BMS INSTITUTE OF TECHNOLOGY & MANAGEMEN ARI-C-1398 BNM INSTITUTE OF TECHNOLOGY ARI-C-15650 CHHATRAPATI SHIVAJI INSTITUTE OF TECHNOLOGY Showing 11 to 20 of 163 entries Previous 1 2 3 4 5 ...

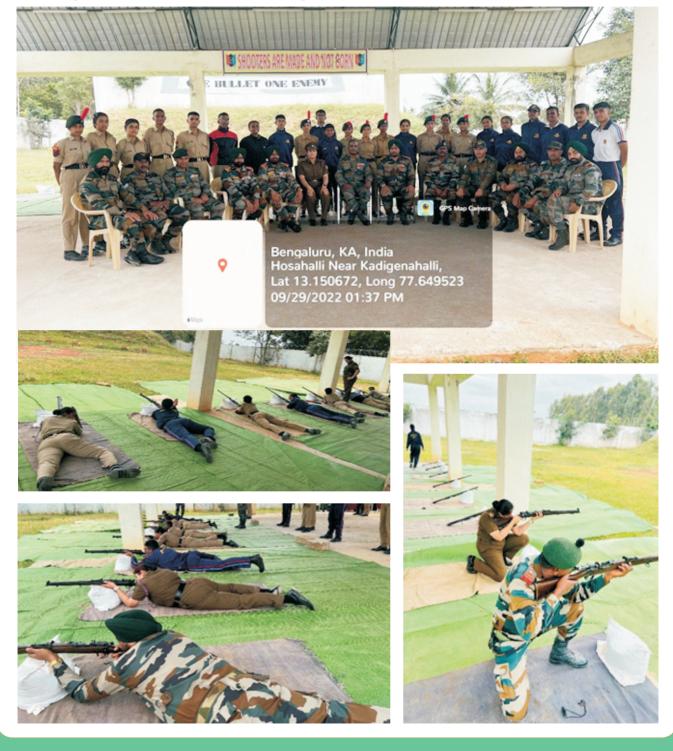
Parameters considered at ARIIA are

- Policy and Institutionalization of I&E activities at HEI- Data will be gathered from the NISP website (https://nisp.mic.gov.in/) where the policy details of Innovation and Entrepreneurship and other institution's activities are uploaded.
- 2) Teaching and Learning Courses of Innovation and Entrepreneurship- Mentioned course's details offered to students are to be provided.
- Pre-Incubation and Incubation Infrastructure & facilities to promote Innovation and Entrepreneurship
- 4) Generation and support of Ideas/prototypes/ innovations and recognition received- Yukti portal (https://yukti.mic.gov.in/) captures students' Idea, PoC, Prototype, Business Model. The same repository will be considered for National Innovation Contest 2022. About 148 students and faculty of BMSIT&M have registered to this contest.
- 5) Total number of Business ventures/startups to be recorded in Yukti portal are verified and recommended and the same is reflected in ARIIA portal
- 6) Collaboration with other Incubation Units, HEIs and Industry Associations to Strengthen Better Services and Support to Innovation & Startups at HEI (AY 2020-21 & 2021-22)
- 7) Intellectual Property (IP), Generation and Commercialization (Annual Calendar 2020 & 2021)- Kapila (https://kapila.mic.gov.in/)

All this have been achieved and the data submission is successful with the support of all the HoDs, Section Heads.

NCC Activities

Lt. Rani M.S, Associate NCC officer, was assigned as selection Committee member from 39 Karnataka Battalion to select best cadet firing for Republic Day Camp on 29th Sept 2022. At NCC Training centre, Kar & Goa Directorate, Bengaluru.





PLACEMENT INFORMATION

2023 BATCH PLACEMENTS: The placement season for the 2023 Batch commenced on 01.09.2022. As of 30.09.2022, a total of 280 UG Students are placed with a total of 370 placement offers and 09 PG students have been placed and given internship offers as detailed below.

SI.		TOTAL NO.		
No.	NAME OF THE COMPANY	OF JOB OFFERS	CTC-LPA (Rs.)	Placement/Internship
1	AIRASIA	1	16,00,000	Placement & Internship
2	ALSTOM	33	6,80,000	Placement & Internship
3	AMAGI MEDIA LABS	1	33,00,000	Placement & Internship
4	AMAZON (AWS)	7	21,83,400	Placement & Internship
5	CARL ZEISS	5	11,00,000	Placement & Internship
6	CLOUDERA	2	26,00,000	Placement & Internship
7	COGNIZANT GEN	5	5,40,000	Placement & Internship
8	COGNIZANT GEN NEXT	1	6,75,000	Placement & Internship
9	EPSILON	3	6,00,000	Placement & Internship
10	FIDELITY	4	9,00,000	Placement & Internship
11	GOLDMANS SACHS	1	24,00,000	Placement & Internship
12	IBM	6	7,75,000	Placement & Internship
12A	IBM	3	11,50,000	Placement & Internship
13	INFOSYS	2	3,63,000	Placement & Internship
14	KANINI	1	4,50,000	Placement & Internship
15	MINDTREE	110	4,00,000	Placement & Internship
16	MOBILEUM	11	24,00,000	Placement & Internship
17	NAMASTE CREDIT	14	10,00,000	Placement & Internship
18	NEWFOLD DIGITAL	6	15,00,000	Placement & Internship
19	NOKIA	12	8,20,000	Placement & Internship
20	PHONEPE	6	26,00,000	Placement & Internship
21	POLARIS	6	10,14,000	Placement & Internship
21A	POLARIS	7	8,14,000	Placement & Internship
22	SQUADSTACK	1	22,00,000	Placement & Internship
23	TALLY SOLUTIONS	5	11,30,000	Placement & Internship
24	TECHNOLOGICS	1	4,00,000	Placement & Internship
25	THE MATH COMPANY	19	5,50,000	Placement & Internship

Proctoring System and Counselling report

Under each proctor (assigned faculty) a maximum of 25 students are allocated. Proctoring of each Dept.. is monitored by a team of deputy chief proctors and a chief proctor at the institutional level.

Students who have behavioral issues, or personal issues can avail the guidance of professional counsellor Mrs. Chetana Srinivas. She visits campus on Tuesday and Friday from 1.30 pm to 4.30 pm.

Students having 'Academic Deficits' in terms of failure or low marks, were guided by the Effective Study Skills technique and Timetable Management techniques. 4 students sought Academic guidance in the above period. 2 students who have interpersonal issues were counselled utilizing 'Client-centered Therapy'. 2 staff were counselled using 'Client centered Therapy', to address their personal issues. Counselling is in offline mode, because students are attending classes. To conclude 6 students and 2 staff sought counselling during the month of September-2022.

In 2014, a team of technical leaders from the IEEE Computer Society joined forces to write a technical report, entitled IEEE CS 2022, surveying 23 technologies that could potentially change the landscape of computer science and industry by the year 2022. The list below mentions these technologies:

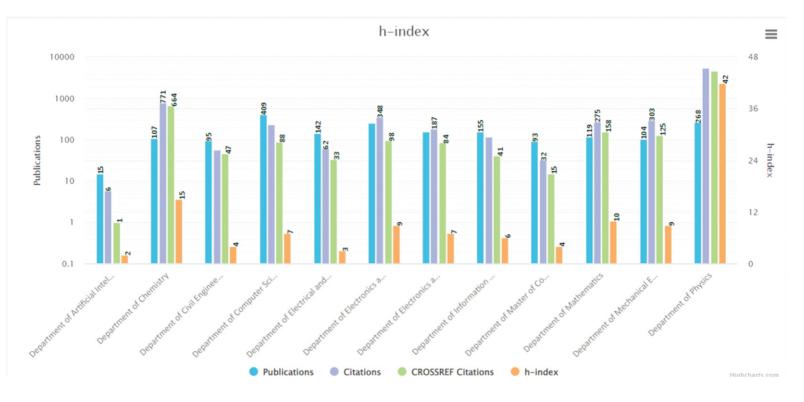
- 1. Security Cross-Cutting Issues
- 2. Open Intellectual Property Movement
- 3. Sustainability
- 4. Massively Online Open Courses
- 5. Quantum Computing
- 6. Device and Nanotechnology
- 7. 3D Integrated Circuits
- 8. Universal Memory
- 9. Multicore
- 10. Photonics
- 11. Networking and Interconnectivity
- 12. Software-Defined Networks
- 13. High-Performance Computing
- 14. Cloud Computing
- 15. The Internet of Things
- 16. Natural User Interfaces
- 17. 3D Printing
- 18. Big Data and Analytics
- 19. Machine Learning and Intelligent Systems
- 20. Computer Vision and Pattern Recognition
- 21. Life Sciences
- 22. Computational Biology and Bioinformatics
- 23. Medical Robotics

Courtesy: https://www.computer.org/publications/tech-news/trends/2022-report



Faculty Publication Information From IRINS Site

IRINS is web-based Research Information Management (RIM) service developed by the Information and Library Network (INFLIBNET) Centre in collaboration with the Central University of Punjab. The portal facilitates the academic, R&D organizations and faculty members, and scientists to collect, curate, and showcase scholarly communication activities and provides an opportunity to create a scholarly network. BMSIT&M through IRINS brings the details of its faculty research and publications details for the month of September -2022.





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