

BMS **INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

Avalahalli, Yelahanka, Bengaluru - 560064.

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Monthly Newsletter / December 2021





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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YOUTUBE:

<https://www.youtube.com/channel/UCZLUwjJYZZvXvfPketkZZMQ>



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



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



LATE SRI. B. S. NARAYAN
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CONTENTS

Page No.

Awards / Recognitions	1
Faculty Contribution	1
Faculty as resource person	1
Reviewers for Journal / Conference	1
Induction Program	2
NBA Committee visit	3
Other Activities	3
Workshops / Poster Presentation	3
FDP Conducted	4
Expert Talk Organized	5
Alumni Talk/Interaction	6
Research Publication	7
International Journal Publication	7
International Conference Publication	7
Book Chapter	8
OBE activity	8
Research Centre Activities	8
Placement Activities at Departments	8
FDP /Workshops/STTP	8
Special Events	9
Lab Inauguration	9
Field trip to ATAL-TUNNEL	9
Sports Achievements	10
Higher Education Facilitation Centre Activities	10
Innovation Centre Activities	11
NCC Activities	12
Proctoring System and Counselling	
Report	12
Jnanavardhana	12
Placement Information	13
Faculty Publication Information from IRINS site	14

Awards / Recognitions

- Dr. Prashant A Athavale, Asst. Prof., Dept. of EEE, received a Best Paper Award for the research paper titled "Gabor Filter Based Ribs Detection on the Chest X-Rays" at the 5th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT-2021), 10.12.2021 organized by GSSSIETW, Mysuru.



- Prof. Raghunandan.G.H, Asst. Prof., Dept of ETE completed his final Ph.D. Defense on 6.12.2021 at Dept of ECE Research Centre, BMS Institute of Technology and Management, Bangalore.
- Dept of ETE has received Hardware and Software worth Rs.35,74,305/-free of cost from M/s Intel USA for use of Academic purposes which was inaugurated on 22.12.2021
- Dr. Keerthi Kumar N, Asst. Prof., Dept. of Mechanical Engineering was honoured on the occasion of 11th Prathibothasava for the successful completion of Ph.D from "Karnataka Arya Vysya Mahasabha", Bangalore on 26th December 2021.
- Mr. O. Gurumurthy, Asst. Prof., Dept. of Mechanical Engineering has completed his final PhD defense at Dept of Mechanical - Research Centre, BMS Institute of Technology and Management, our research centre on 30th December 2021.

Faculty Contribution

Faculty as Resource Person

- Dr. Anupama H S, Associate Prof., Dept. of AI & ML, was a resource person for ATAL FDP, "Bare Metal Programming on RTOS Programming", on 14.12.2021.
- Dr. Vishwa Kiran S, Associate Prof., Dept. of AI & ML, was a resource person for ATAL FDP, "Bare Metal Programming on RTOS Programming", on 15.12.2021.
- Dr. HemaMalini B. H, Associate Prof., Dept. of CSE, contributed as Session Chair for International Conference on Forensics, Analytics and Big Data & Security (FABS- 2021) organized by IEEE Student Branch, BMSIT&M, hosted by BMS Institute of Technology and Management, Bengaluru in association with IEEE Bangalore Section and technically co-sponsored by IEEE during 21.12.2021 to 22.12.2021.
- Prof. Nagaraj D Chonali, Asst. Prof., Dept. of EEE, delivered a Motivational Talk "Holistic Development of Students" on 21.12.2021 at Sri Krishna Institute of Technology, Bangalore
- Prof. S. Mahalakshmi, Asst. Prof., Dept of ISE,

participated as Primary evaluator in Toycathon 2021 in march 2021 organized by AICTE and Ministry of Education and Innovation Cell.

- Dr. Shoba M, Associate Prof., Dept. of ISE delivered an Expert Talk on "Deep Learning - A Paradigm Shift" on December 30th, 2021 Organized by MIT Academy of Engineering (An Autonomous Institute affiliated with Savitribai Phule Pune University).
- Dr. Kallur V Vijayakumar, Asst. Prof., Dept. of Mathematics has delivered an Expert Talk talk entitled "Application of Discrete Mathematics" at Sai Vidya Institute of Technology on 20.12.2021.
- Prof. M. Sridevi, Asst. Prof., Dept. of MCA, was a resource person for the session on "Art for Social Change" delivered on 24.12.2021 as part of SIP for the I Semester B.E. students of BMSIT&M.

Reviewer for Journal / Conference

- Dr. Karabi Sikdar, HoD and Prof., Dept. of Mathematics reviewed a research article for ICMC 2022 on 16.12.2021.

Induction Program

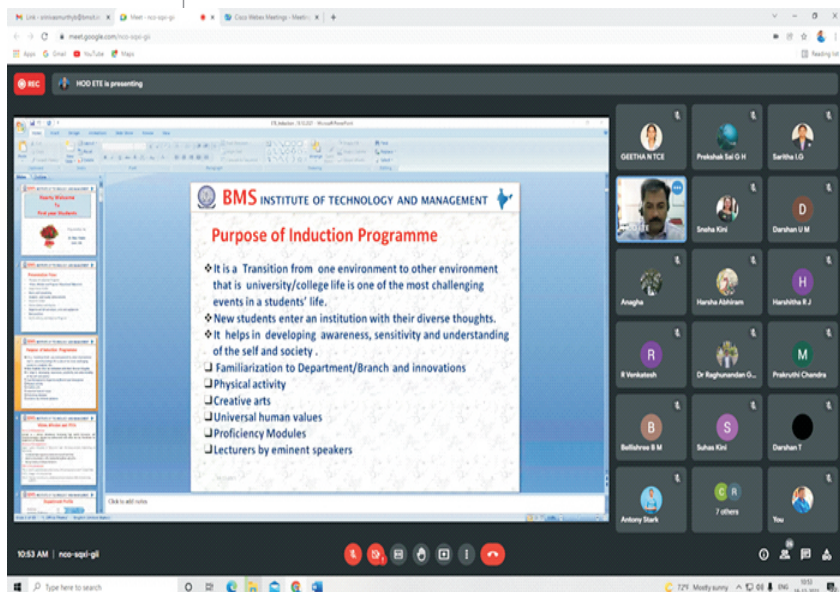
Transition from school to university/college life is one of the most challenging events in a students' life. When new students enter an institution, they come with diverse thoughts, backgrounds and preparations. They come into a new unfamiliar environment, and many of them have little knowledge of a university/college. An important task, therefore, is to welcome new students to Higher Education and prepare them for their new role.

The purpose of Student Induction Programme is to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self-exploration.

At our Institution we focus on Students Induction program that covers a number of different aspects (SAGE):

- Socializing: meeting other new students, senior students, students union, Lectures by Eminent People;
- Associating: visits to University / college, visits to Dept./Branch/ Programme of study & important places on campus, local area, city and so on;

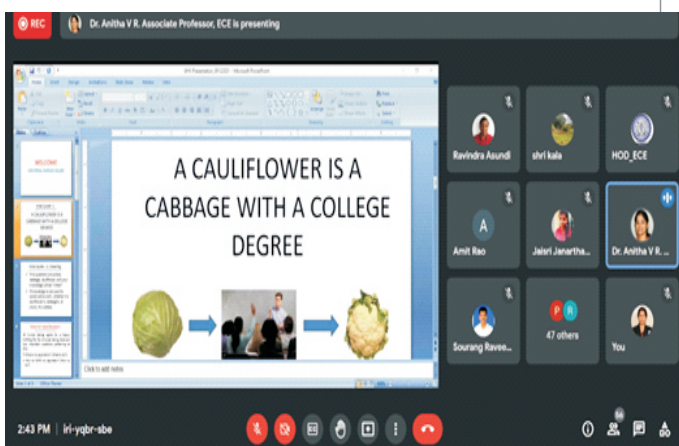
- Governing: rules and regulations, student support etc;
- Experiencing: Subject lectures, study skills, small-group activities, physical activity, creative and performing arts, literary activities, universal human values, etc.



Due to the existing pandemic, the department at our college conducted an e-student induction programme for first-year students from 17.12.2021 to 31.12.2021 in line with the AICTE guidelines.

The students were briefed about the department, staff, faculties, achievements of the staff and students, publications of staff and students. A brief introduction to the autonomous system, autonomous rules and regulations in comparison with VTU were given to the students, followed by a briefing on department rules and regulations and clubs like TEA attached with the department was given to the students.

Events like department presentation, demonstration about laboratories, interaction with seniors and alumni's, talk by eminent speakers etc. were arranged by the department coordinators.



Other Activities

NBA COMMITTEE VISIT

- NBA expert committee members visited to Dept. of CSE from 10.12.2021 and 12.12.2021 for Accrediting the PG Program, M.Tech, CSE.



HOD and other dignitaries addressed the gathering and boosted some enthusiasm through their valuable words. HOD was addressed about the PG NBA to Alumni. They were also informed about the Program Outcomes, Programme Educational Objectives, Vision and Mission.



OTHER ACTIVITIES

- The M. Tech Annual Alumni meet was hosted on 11.12.2021. organized by the Dept. of CSE, Alumni Coordinators/PG Coordinators. The event started with a warm tea session where the alumni, faculty, and HOD were graciously welcomed and shared a networking session where we could find many charming faces recalling their journey at the college. The event was taken over by our Dept.
- Dept. of ECE conducted Parents Teacher Meeting (PTM) through the online platform using GOOGLE MEET on 04.12.2021 between 10.15 AM -11:00 AM for 4th, 6th and 8th-semester student parents. Course coordinators shared the information about their wards and informed the parents to monitor them during online classes and tests. Some parents discussed their ward's progress and gave few suggestions.

Workshops / Poster Presentation

- Dr. Usha B A, Assoc. Prof., Dept of CSE has organized a two Days Workshop on “ Industry IOT for System Design using Microprocessor ”, for students of UG and PG from 3.12.2021 to 4.12.2021.n and Mission.

B.M.S. Institute of Technology & Management
 Department of Computer Science in Association with
Indian Tech-Keys

Workshop on Industry IoT for Smart System Design using Microprocessor

Topics Covered

- Embedded System Programming.
- Raspberry Pi Microprocessor.
- Raspbian OS Architecture.
- Wireless Communication Implementation.
- Integration of Sensors and Actuators.
- IoT Web App Development.

Convener
 Dr. Bhuvaneshwar C M
 Professor & HOD - CSE

Trainer
 Kotresh M
 Indian Tech Keys

Faculty Coordinator
 Dr. Usha B A
 Associate Professor - CSE

Dates
 3rd and 4th December - 2021

KEY FEATURES

1. Hands On Sessions.
2. Group or Product Development.
3. One-For-One Interaction.
4. 100% Attendee Availability.
5. Certified Course.



Prof. S. Nithya Poornima, Asst. Prof., Dept. of Mechanical Engineering organized a poster presentation for the VII sem students for the course Mechatronics (18ME744) on 27th December 2021. This activity enabled the students to work in groups (PO11) and to improve their communication skills (PO10).



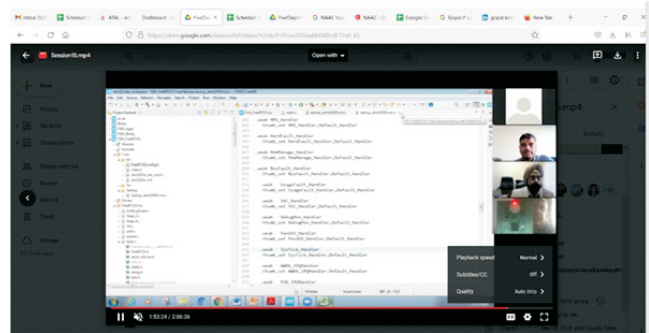


FDP Conducted

- ATAL 5-Days AICTE sponsored workshop titled: “Bare Metal Programming and RTOS Programming” was conducted from 13th to 17th December 2021 by Dept. of AI&ML. There were around 81 participants from different parts of the country.

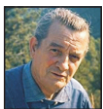
Five-Day FDP Inaugural session started with the invocation song followed by the overview of the FDP by coordinator Dr. Vishwa Kiran S. All the participants were welcomed by the Head of the Dept. Dr. Bharathi Malakreddy A. Also, Dr. Mohan Babu G N, Principal, addressed the gathering. Director ATAL addressed the participants about online FDP and various initiatives by ATAL Academy. After the inauguration keynote address was delivered by Srinivasan Padmanabhuni, who gave an overview of the Embedded and smart systems. Resource Persons delivered the talk on various concepts of embedded systems, Bare Metal Programming, and also Real-Time OS.

They have received Rs. 93500/- (Ninety-three thousand and five hundred) grant from AICTE for conducting ATAL FDP from AICTE.



- A workshop on “Cyber Security – Hands-On” has been organized by the Dept. of MCA on 11.12.2021. The resource person Mr. Sridhar Murthy, Director and Founder of Dlithe Consultancy Services Private Limited, and Mr. Bharath, Cyber Security practitioner from the same company delivered the sessions benefitting the students of III and V Semester MCA.

Day	Time	Topic	Resource Person
13.12.2021	9:00 AM to 11:00 AM	Invocation Song followed by overview of FDP by coordinator	Dr. Vishwa Kiran S
14.12.2021	9:00 AM to 11:00 AM	Keynote address by Director ATAL	Dr. Bharathi Malakreddy A
15.12.2021	9:00 AM to 11:00 AM	Keynote address by Director ATAL	Dr. Mohan Babu G N
16.12.2021	9:00 AM to 11:00 AM	Keynote address by Director ATAL	Dr. Srinivasan Padmanabhuni
17.12.2021	9:00 AM to 11:00 AM	Keynote address by Director ATAL	Dr. Srinivasan Padmanabhuni



“One has to watch out for engineers - they begin with the sewing machine and end up with the atomic bomb.”
- Marcel Pagnol, Critiques des Critiques



"AI is in a 'golden age' and solving problems that were once in the realm of sci-fi."
- Jeff Bezos



“Artificial intelligence will reach human levels by around 2029. Follow that out further to, say, 2045, and we will have multiplied the intelligence – the human biological machine intelligence of our civilization – a billion-fold.”
- Ray Kurzweil, American inventor and futurist.

Gartner Top Strategic Technology Trends for 2022

- Data Fabric
- Cybersecurity mesh
- Privacy-enhancing computation
- Cloud-native platforms
- Composable Applications
- Decision Intelligence
- Hyperautomation
- AI Engineering
- Distributed Enterprises
- Total Experience
- Autonomic Systems
- Generative AI

Expert Talk Organized

1. An Expert Industry Invited Talk on "Student Development Program on "Job Skills, Higher Studies, and Entrepreneurship" for the 2nd year, Pre-final and Final year Students of Civil Engineering on 10.12.2021. The talk was delivered by Er. Ashok Kumar S.G, Founder and Chairman, CMTI, Er. Ashok Kumar, Design Mentors, Yelahnak Bangalore, Ravi, J, Director, Shikhar Builder, and Contractors, Bangalore, Mr. Sriavasta, and Mr. Mohan V.S, Director, Indoskills, Bangalore. The activity was initiated and coordinated by Dr. Chandrashekarappa A and Dr. Marsh Bandi Dept. Of civil and associated with Placement Cell.



2. The Dept. of CSE organized an Online expert talk on the topic "Management of Software Engineering" for the CSE students on 3rd Dec 2021, 2:00 PM to 4:00 PM by Mr. Akhilesh M S (2010 BATCH B.E CSE ALUMNI) Product Owner at Herbalife Nutrition, Bangalore, India.

BMS Institute of Technology & Management
Doddabattalur Main Road, Atrichery, Yelahna, Bangalore - 560074

Dept. of Computer Science and Engineering with Alumni Association
Jointly Organizes a Session On
Management of Software Engineering
On 03-12-2021 From 2:00pm to 4:00pm

By **Mr. Akhilesh M S**
Product Owner at Herbalife Nutrition, Bangalore - 560074

Students of both 2nd and 3rd year are required to attend the webinar. Certificates will be provided to all the attended students.

Join the Session using the below link: <https://bit.ly/webex21082402>

About the Speaker: He is currently working as Product Owner in Herbalife Nutrition.

3. The Dept. of CSE organized an Online expert talk on the topic "After Graduation. What Next?" for the CSE students on 08th Dec 2020 and 11:00 AM to 12:30 PM by Mr. Sai Niranjan (2010 BATCH B.E CSE ALUMNI) Asst. Prof. in Devanga

BMS Institute of Technology & Management
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Dept. of Computer Science and Engineering with Alumni Association
Jointly Organizes a Session On
After Graduation, What Next?
On 08-12-2020 From 11:00 AM to 12:30 PM

By **Mr. Sai Niranjan**
Assistant Professor in Devanga Sanghvi, Free Zone College, Bangalore - 560074

Students of both 2nd and 3rd year are required to attend the webinar. Certificates will be provided to all the attended students.

About the Speaker: He is currently working as Assistant Professor in Devanga Sanghvi, Free Zone College, Bangalore - 560074.

Sangha First Grade College, Freelance Instructor in UpGrad.

4. The Dept. of CSE organized an Online expert talk on the topic "Career Guidance" as part of E-SIP 2021 for the CSE First Sem students on 23.12.2021 from 10:50 AM to 12:50 PM by Mr. Keethan Babu P, Oracle WebCenter Sites Developer and Lead Analyst CGI, Alumni of 2008 Batch and Mr. Sai Niranjan Mr. Sai Niranjan, Head of Business, Summit Careers, Freelance Instructor in UpGrad. Alumni of 2010 BATCH.

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Doddabattalur Main Road, Atrichery, Yelahna, Bangalore - 560074

Dept. of Computer Science and Engineering with Alumni Association
Jointly Organizes a Session On
Career Guidance
On 23-12-2021 From 10:50 AM to 12:50 PM

By **Mr. Keethan Babu P**
Lead Analyst of CGI

This session is a part of first year E-SIP program. Certificates will be provided to all the attended students.

About the Speaker: He is currently working as Lead Analyst in CGI Bangalore.

BMS Institute of Technology & Management
Doddabattalur Main Road, Atrichery, Yelahna, Bangalore - 560074

Dept. of Computer Science and Engineering with Alumni Association
Jointly Organizes a Session On
Career Guidance
On 23-12-2021 From 10:50 AM to 12:50 PM

By **Mr. Sai Niranjan**
Head of Business of Summit Careers, Freelance instructor in UpGrad

This session is a part of first year E-SIP program. Certificates will be provided to all the attended students.

About the Speaker: He is currently working as Head of Business in Summit Careers, Bangalore.

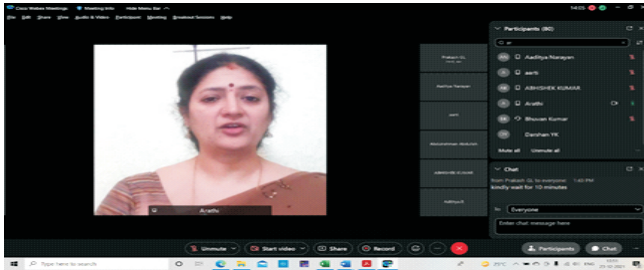
5. The Dept. of CSE in association with CSI BMSIT&M Student Branch and Sapientury organized an online webinar on "ARDUINO FOR BEGINNERS !". by Ms. POOJITHA MK, Sysops engineer at Sapientury Pvt Ltd on 17.12.2021.



6. The Dept. of CSE, organized a talk by Eminent speaker Dr. Arathi V B on "Behavioral and soft skills", was arranged on 23.12.2021 from 1.15 pm – 3.15 pm for our students as a part of the student induction program. She is a Scholar in Sanskritam & Indology and Behavioural Trainer. Founder head of Vibhu

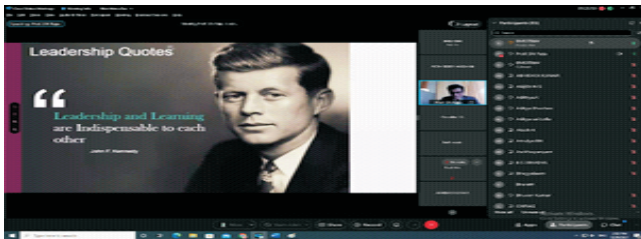


Academy, well known in the fields of Academic research and Behavioural & Soft-skills Training. .



7. The Dept. of CSE, organized a talk by an eminent speaker on 29.12.2021 from 1.15 p.m to 3.15 p.m which was part of a Workshop on Leadership and Values by the resource person Mr. Satyanarayana Raju M, Chief Mentor (HR & Counselling) in Nagarjuna, Group of Institutions, Bangalore as a part of student induction program..

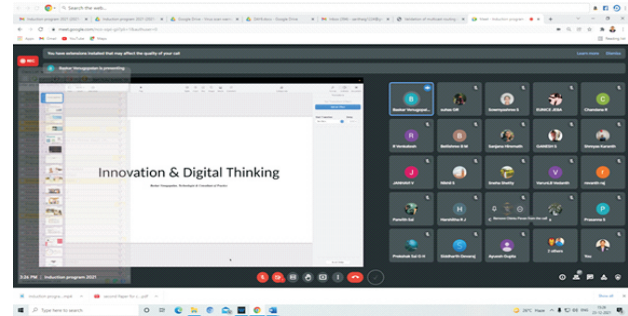
8. The dept. of ETE along with IETE and ISTE organized an expert talk on the topic “Design Thinking and



Innovations In Electronics and Telecommunication Engineering” for the students of ETE Dept. students on 16.12.2021. A brief talk about the four C’s such as Curiosity, Courage, Collaboration, Creativity, and the four pillars of Design Thinking was delivered. Innovation is the practical implementation of ideas that result in the introduction of new goods/services or improvement in offering goods/services that were also delivered. Key features of innovation such as Feasibility, Viability, and Desirability were also deliberated.



9. The dept of ETE organized an expert talk on “Importance of innovations and design thinking in engineering” on 23.12.2021 by Mr. Bhaskar Venugopalan in association with Dept. of EEE and Dept. of ME.



Alumni Talk/Interaction

- An Expert talk was delivered as part of Alumni interaction for pre-final year ISE students to understand the expectations and challenges in the IT industry and discuss students’ hopes, interests, and requirements for the same. It gave students the chance to learn about the IT industry and what it might be like post-graduation. The session was hosted by Prof.



Gireesh Babu C N followed by a short introduction of alumni speakers by Dr. Pushpa S K, HoD. Ms. Yashashwini- Alcatel Lucent enterprise of 2020 graduate batch of ISE, BMSIT&M along with her other alumni Mr. Aditya- Epicor (2020 batch) and Meghana-PWC (2021 batch) joined the hand to interact with students.

- A pair of Alumni talks were organized on 14.12.2021 by the Dept. of MCA to aid the students registered for Cerner India Placement Drive for the year 2021. Mr. Vasuki and Mr. Mrinal Dutt, Alumni working at Cerner shared useful and important hacks to crack various levels of placement drive besides suggesting websites to practice aptitude-related questions.

Research Publication

International Journal

- Yadav, Arunkumar, H. C. Hema, Pramodkumar Kappadi, and Chandrashekharappa Agasnalli. "Geospatial Approach for the Assessment and Analysis of Flood Risk in the region of Nanjangud town, Mysore District, Karnataka, India." In IOP Conference Series: Materials Science and Engineering, vol. 1197, no. 1, p. 012032. IOP Publishing, 2021.
- Chandrashekharappa A, "A study of primary sedimentary structures in banded iron formations (BIFs) of Nagavi area, Gadag schist belt, Karnataka, India" Journal of Mines, Metals and Fuels Vol.69, No.11, NOVEMBER 2021, ISSN 0022-2755.
- Vidya R , " Modeling Of A Collective Approach For Securing Communication Over Content-Centric Networks In The Perspective Of FIA", International Journal of Computer Science and Engineering-IJCSE, ISSN:0976-5166, Volume-12 No. 6 Nov-Dec 2021, Page no.1568-1577 - Scopus Indexed DOI: 10.21817/indjcse/2021/v12i6/211206137.
- Aparna K, "Smart Baggage Identification System." Design Engineering (Toronto), Vol. 2021, Issue 9, Dec 2021, 6404-6410, Scopus indexed journal, <http://www.thedesignengineering.com/index.php/DE/article/view/7684>.
- Shripad Diwakar, Asst. Prof., Dept. of Mechanical Engineering published a research paper entitled "Studies on Simarouba glauca biodiesel as an alternative fuel for diesel engine" in Pollution Research Journal (Scopus Indexed Journal) , Vol-40, Issue-4, December 2021, pp 1354-1357.
- Keerthi Kumar N, Asst. Prof., Dept. of Mechanical Engineering has published paper titled "Effect of Graphene Nanoparticles on Engine Operated using Simarouba" on 31st Dec 2021, in Journal of Mines Metals and Fuels, Vol. 69, No.12A, ISSN: 002-2755.

International Conference

- Chandrashekharappa A and Dr Deepak M S, Asst. Prof.s, Dept. of Civil Engineering, BMS Institute of Technology and Management presented a paper titled "Global View of Lateritic Soil Improvement for construction purpose in Tropical Countries" in an

International conference on advances in Construction Materials and Structures (ICCMS – 2021), organized by K L University

- Deepak M S, Asst. Prof., Dept. of Civil Engineering, BMS Institute of Technology and Management presented a paper titled "Behaviour of Thin-walled intermediate stiffened channel sections under axial compression-Experimental and numerical studies" in an International conference on advances in Construction Materials and Structures (ICCMS – 2021), organized by K L University
- Deepak M S, Asst. Prof., Dept. of Civil Engineering, BMS Institute of Technology and Management presented a paper titled "A study on self-compacting self-curing concrete-filled steel columns subjected to axial compression" in an International conference on advances in Construction Materials and Structures (ICCMS – 2021), organized by K L University
- Deepak M S, Asst. Prof., Dept. of Civil Engineering, BMS Institute of Technology and Management presented a paper titled "Strength Enhancements across various parts in Intermediate and Edge Stiffened Angle Sections due to Cold-Forming" in an International conference on advances in Construction Materials and Structures (ICCMS – 2021), organized by K L University.
- Muneshwara M S, Anand R, Anil G N , "Reduce The Privacy & Security Concerns of Current Social Media Platforms Using Block-Chain Technology" International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC-2021) , Organized By Dept. of Computer Science, Institute of Science, Banaras Hindu University, Varanasi, India on 17.12.2021 & 18.12.2021
- Saneesh Cleatus Thundiyil. "Big EEG Data Images for Convolutional Neural Networks". The 2021 IEEE Signal Processing in Medicine and Biology Symposium organized by SERC, Temple University, Philadelphia, USA, December 4, 2021.
- Prashant A Athavale, Dr P S Puttaswamy, "Gabor Filter Based Ribs Detection on the Chest X-Rays." 5th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT-2021), 10th &



11th December 2021 organized by GSSSIETW, Mysuru.

- Raju Hajare, Presented the paper titled, "MEMS-Based Novel Micro Cantilever Designs for Biosensing Applications" at the ICTSGS-1 conference led by Yamagata University Japan. Nov 29-30, 2021|ONLINE|,(ICT SGS-1) is organized by spast foundation and associated partner institutions)
- Annapoorna M S, Asst. Prof., Dept. of Mathematics presented a paper entitled "Laceability in Jahangir graphs" in the International Conference of FIM-IMIP-

UMSO2021at Kitakyushu, Japan (virtual) held from 26.12.2021 to 28.12.2021.

Book Chapter

- Deepak M.S., Strength Enhancements in Tensile Properties of Steel by Press Brake Cold Forming. In: Satyanarayanan K.S., Seo HJ., Gopalakrishnan N. (eds) Sustainable Construction Materials. Lecture Notes in Civil Engineering, vol 194. Springer, Singapore. https://doi.org/10.1007/978-981-16-6403-8_4

OBE activity

- Dr. Ambika R, Prof., Dept. of ECE conducted poster presentation for the course Principles of Communication Systems for 5th semester A and C section students from 27.12.2021 and 31.12.2021.

Research Centre Activities

- Two research scholars Ms. Smriti Rai – 1BY20PMC01, and Ms. Sushitha S – 1BY20PMC02 have registered for Ph.D. program at MCA Research Center, BMSIT&M of VTU, Belagavi under the guidance of Dr. Aparna K., Associate Prof., Dept. of MCA, BMSIT&M.

Placement Activities at Departments

- The dept. of CSE, organised 7th Placement Talk session with Asif Ali Ahmed and Hritik Kumar Singh, 7th sem CSE, on Sunday, 5.12.2021 for an hour.



- The 8th Placement Talk session with Roy George and Prerana Kulkarni, 7th sem CSE, on Saturday, 11.12.2021 for an hour.



- The 9th Placement Talk session with Sandeep Kumar, Harshith and Daniel of 7th sem CSE, on Sunday, 12.12.2021 for an hour.



FDP /Workshops/STTP attended

Departments	No. of faculty attended the FDP/Workshop/STTP
CHEMISTRY	2
CIVIL	7
CSE	4
EEE	3
ETE	6
ISE	2
MCA	2
ME	2

Special Events

Lab Inauguration

Dept. of AI&ML, has inaugurated three labs on 1.12.2021. (IoT and ADE lab, embedded lab, AI & ML lab). Our beloved principal, Dr Mohan babu G N and chairman of BMSIT&M, Mr. Aviram Sharma inaugurated the labs. Department faculties and students were also present for the inauguration.



- Civil dept. CAD LAB was Inaugurated by Honourable Principal- Dr. Mohan babu G N, Vice-principal- Dr. H. K. Govindaraju, Dean Student welfare – Dr. C. S. Mala, HoD Civil - Dr. Rajakumara H N, Faculty In-charge Prof. Shobha R, and Students on 21.12.2021. The occasion was witnessed by Civil Faculty, Staff, and Students.



Field trip to ATAL-TUNNEL

A team of students and staff were part of a field trip to visit the inner core salient features of the ATAL-TUNNEL along with BRO officials and the technical team. During our visit, we gathered a quantum of knowledge and experiences involved in the

ATAL-TUNNEL-North Portal



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT BENGALURU- 560 068 / ATAL-TUNNEL STUDY TOUR / AICTE-YUVAK (08.12.2021)

construction of such a Mega Structural Project for Our India. We feel proud to be chosen and granted by AICTE for this study tour under the YUVAK scheme. We came to know about the construction methodology, processes, and obstacles faced in the completion of the project during the briefing session.

ATAL TUNNEL (also known as Rohtang Tunnel) is a highway tunnel built under the Rohtang Pass in the eastern Pir Panjal Range of the Himalayas on the Leh-Manali Highway in Himachal Pradesh, India. At a length of 9.02 km, it is the longest highway single-tube tunnel for all-weather conditions. The tunnel is at an elevation of 3,100 m (10,171 ft) whereas the Rohtang Pass is at an elevation of 3,978 m (13,051 ft). It was inaugurated by Prime Minister Narendra Modi on 3rd October 2020. The cost of the entire project is ₹3,200 crores named after former Prime Minister of India, Atal Bihari Vajpayee.

The tunnel was built using the New Austrian Tunnelling Method (NATM) and drill-blast technique. The length of the tunnel is 9.02 km with a horseshoe-shaped cross-section of finished width of 10.00 m. Designated vehicular speed: 80 km/h. Uniformly dipping alternate



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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Autonomous Institute affiliated to VTU, Belagavi, Approved by AICTE, New Delhi,
Accredited by NAAC with 'A' Grade and accredited by NBA
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sequence of quartzites, quartzitic schists, quartz-diolite-schist with thin bands is the Geologic strata. The maximum overburden is 1,900 m with an average of more than 600m. (1,970 ft). Fiber-reinforced concrete (100–300 mm thick) is the lining provided to support the strata. It has been equipped with a semi-transverse ventilation system, where large fans separately circulate air throughout the tunnel.

A 2.25 m tall and 3.6 m wide emergency tunnel has been integrated into the tunnel cross-section beneath the main carriageway for evacuation during emergencies. Fires inside the tunnel will be controlled within an area of 200 m and fire hydrants are provided at specific locations throughout the tunnel. The tunnel also has a public announcement system to make an important announcements in emergency situations for which loudspeakers are installed at regular intervals. We value the knowledge and experiences gained in our study tour.

Sports Achievements

Student - Tejasvi S K, Dept. of AI&ML, representing BMS Institute of Technology – Bengaluru has secured the Runner-ups in the Inter-Collegiate Bengaluru North zone Basketball Men’s Tournament held at BMS School of Architecture – Bengaluru from 17.12.2021 to 18-12-2021.

Higher Education Facilitation Centre Activities

Higher Education Facilitation Centre organized and hosted a session on Higher Education in Canada with one of our alums Ms. Shalette D’Souza, Master of Information in UX Design, University of Toronto on the 10th of December. This session was conducted online. 28 students attended the session. Renuka Raja Rao and Shama H Mallesh moderated the sessions.

Ms. Shalette explained the admission procedure in Canadian universities like choosing colleges, GRE, TOEFL experience, SOP & LORs, when to start the application process, visa application process, monthly expenses, work while studying. There was a Q&A session at the end followed up with advising students to make use of services at HEFC.

Statement of Purpose (SOP)

- Time needed: Approx 0.5-2 months
- An SOP should be **convincing**.
- Showcase your interest, select projects, experiences, and relevant life-stories
- Tips:
 - Identify the outline of your SOP
 - Show your research - highlight college specifics
 - Link your work, wherever possible
 - Ideal length - 1 page, font size 11-12
 - Use Grammarly to edit & polish
 - Get people to read it

Checklist:

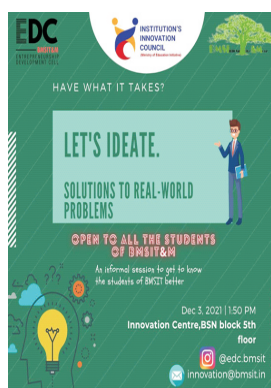
- Correctness Looking good
- Clarity Very clear
- Engagement Very engaging
- Delivery Just right

Shalette D'Souza

Innovation Centre Activities

Brainstorm solutions for real world problems

- Innovation Centre kick started the activities by starting the brainstorming session to find out the solutions for the real world problems on 3.12.2021. It was a one hour session and about 22 students were part of the session to find solutions for the problem we picked on that day. We divide the students into multiple groups and allot certain time to discuss among the group and to present it after the thorough discussions and agreeing upon one or more efficient solutions. The final solution will be considered to continue research on the topic to get the narrowed solutions for the problem and the same to be presented on the coming week. The session was moderated by Ms. Shama H M, Innovation Centre in

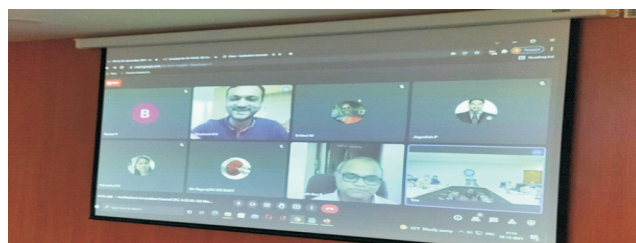


Charge.

- The second Brainstorming session was kick-started on 10.12.2021, the topic was Ideation. It was a one-hour session and about 20 students were part of this session. Teams were made, discussions were held and teams came up with the first iteration of solutions to the problems picked from the 17 sustainable development goals. (<https://sdgs.un.org/goals>). The session was moderated by Ms. Shama H M, Innovation Centre in Charge.



- An Institution Innovation Council (IIC) Q4 meeting was held on 18th December 2021. About 3 external experts and 19 internal members along with Principal Dr. Mohan Babu G N were part of this 2-hour blended (online, offline) meeting. External experts consisted of Mr. Gopinath Rao, Bank/Investor, Mr. Baskar Venugopalan, Expert from nearby Industry, Mr. Shashank R N, Alumni Entrepreneur. At this meeting, suggestions were received from external experts, and Innovation Centre took a responsibility to act upon the same. Mr. Gopinath Rao offered to help students to market their products and get more speakers for the sessions organised under IIC 4.0, he also stressed on involving industries to help the cumulative growth of the start-up system. Mr. Baskar Venugopalan suggested promoting Theme-based communities of workspace and bringing external and latest information which can be discussed to get over the out of box thinking. Mr. Shashank R N suggested nominating the designated evangelist from each of the innovation subsets. This helps the path from ideation to conceptualization.





NCC Activities

National Cadet Corps Unit of BMS Institute of Technology and Management on December 16, 2021 celebrated the 'Swarnim Vijay Diwas' observing the Golden Jubilee of India's victory in Indo-Pak War, 1971 and liberation of Bangladesh. The event was graced by Shri Aviram Sharma - Chairman, Trustee (BMSET), Chief Guest Col. S K Singh - Commanding Officer, 39 Kar Bn NCC, Lt. Col. Nupur Gupta - Administrative Officer, 39 Kar Bn NCC, Dr. Mohan Babu G N - Principal BMSIT&M, Dr. C S Mala - Dean (Student Welfare) and Lt. Rani Mysore Srinivas - Associate NCC Officer. The Indo-Pakistan War of 1971 had lasted for 13 days, as the world saw the unprecedented surrender of over 93,000 Pakistani troops to the Indian Army who ensured independence to 75 million people of Bangladesh. It was also the largest military surrender after World War II.



Cadets paid tribute to the brave Indian soldiers, sailors & air warriors and their families who ensured the victory in the 1971 war, saying that the country will always be indebted to their sacrifice.

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 institution level.

Students who face various adjustments problems which include behavioral / Psychological issues can avail the help from a professional counsellor, Mrs. Chethana Srinivas who visits the campus on Tuesdays and Fridays from 1 pm – 4 pm. Since the students have started attending physical classes, Counselling is happening offline in the counsellor's office. Few Staff members had

consulted the counsellor for interpersonal disturbances, mindfulness technique was demonstrated that lead to improvement.

Topics like Time Management, Emotional disturbance, Study skills, Procrastination issues were discussed with different students based on their needs. First aid techniques and Cognitive behaviour techniques were shared to console and convince them. Six students and two staff were counselled in the month of December-2021.

Jnanavardhana

'Teachers to be taught and trained'—is a relatively growing concept found in Societies all over the world, in the nineteenth and twentieth century. Also, Quality education is considered as the backbone of the nation for countries whether they are underdeveloped, developed, or developing countries at present. As part of sharing higher-level knowledge, BMSIT&M gives opportunities to Professors of various departments to deliver talks on recent trends and topics in their domain. This initiative has taken firm footage as Jnanavardhana, a series of talks given by Professors to share their knowledge in topics on cutting-edge technology and trending subjects. The list of topics delivered by the Professors during December-2021 is given in the table.

Sl. No.	Presenters	Date	Time	Topic/Title
1	Dr. K. M. Sathish Kumar	01-12-2021	12.00 pm - 1.00 pm	Diagnostic Maintenance
2	Dr. Seema Singh	08-12-2021		Secure Communication with Cryptography
3	Dr. Thippeswamy G	15-12-2021		Cyber Crime and Cyber Laws
4	Dr. Mohan Babu G N	22-12-2021		Authority and its Delegation.

Placement Information

2022 BATCH PLACEMENTS: The placement season for the 2022 Batch commenced on 06.08. 2021. As of 31.12.2021, totally 565 UG Students are placed with a total 748 placement offers and 50 PG students have been given internship offers as detailed below.

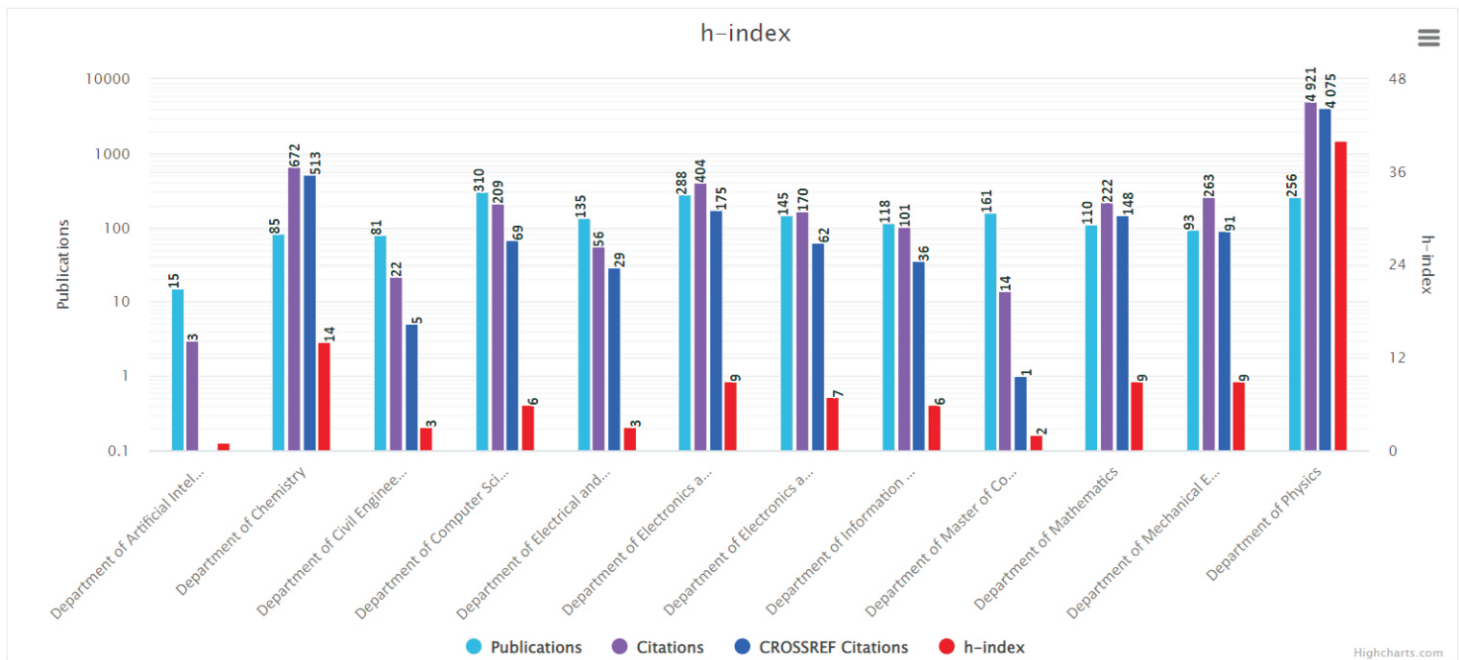
Sl No.	NAME OF THE COMPANY	TOTAL NO. OF JOB OFFERS	CTC-LPA (Rs.)	STIPEND (per month)
1	EPSILON	8	5,00,000	Placement & Internship
2	MPHASIS	25	4,00,000	Placement & Internship
3	CLOUDERA	2	17,87,584	Placement & Internship
4	INFOSYS	2	3,60,000	Placement
4A	INFOSYS	3	5,00,000	Placement
5	TALLY SOLUTIONS	4	8,00,000	Placement
6	COGNIZANT GENC NEXT	15	6,75,000	Placement & Internship
6A	COGNIZANT GENC ELEVATE	18	4,25,000	Placement & Internship
6B	COGNIZANT GENC	87	4,00,000	Placement & Internship
6C	COGNIZANT GENC ELEVATE	25	4,25,000	Placement & Internship
7	MUSIGMA	6	3,00,000	Placement
8	KHOROS	2	10,54,000	Placement
9	NEWFOLD DIGITAL(ENDURANCE)	3	15,00,000	Placement & Internship
10	WIPRO	34	3,50,000	Placement & Internship
10A	WIPRO	1	3,50,000	Placement & Internship
11	CAPGEMINI	3	7,50,000	Placement & Internship
11A	CAPGEMINI	82	4,00,000	Placement & Internship
12	AMAZON	6	12,00,000	Placement & Internship
13	HEXAWARE	3	5,00,000	Placement
14	THE MATH COMPANY	7	4,50,000	Placement
15	LTI	2	6,80,000	Placement
15A	LTI	4	8,00,000	Placement
15B	LTI	1	5,00,000	Placement
16	ACCOLITE(Girls Only)	5	8,00,000	Placement & Internship
17	DELL TECHNOLOGY	6	7,00,000	Placement
18	HPE – GBRS	2	7,00,000	Placement & Internship
19	INFOGAIN	4	4,00,000	Placement & Internship
20	ACCENTURE	33	4,10,000	Placement
20A	ACCENTURE	2	6,50,000	Placement
21	ORACLE	26	8,22,951	Placement
22	EPICOR	7	7,00,000	Placement & Internship
23	GAIN SIGHT	7	14,00,000	Placement
24	GALAXE SOLUTIONS	13	4,50,000	Placement
25	PATH PARTNER	2	6,00,000	Placement & Internship
26	INTIME TECH	14	5,50,000	Placement & Internship
27	PHARMEASY	2	6,00,000	Placement & Internship
27A	PHARMEASY-2	6	12,00,000	Placement & Internship
28	QOQNO	1	12,00,000	Placement & Internship
29	GREENWAY HEALTH	3	6,00,000	Placement
30	SIEMENS HEALTHINEERS	8	8,50,000	Placement & Internship
31	CARL ZEISS	6	9,00,000	Placement & Internship
32	OSG	5	8,00,000	Placement & Internship
33	SAP LABS	13	14,00,000	Placement

Sl No.	NAME OF THE COMPANY	TOTAL NO. OF JOB OFFERS	CTC-LPA (Rs.)	STIPEND (per month)
34	VALTECH	7	5,00,000	Placement & Internship
35	VISIONET	3	3,80,000	Placement
36	ZEE	8	14,00,000	Placement & Internship
37	PWC – US ADVISORY	11	6,00,000	Placement & Internship
37A	PWC-KOLKATA	13	6,00,000	Placement & Internship
38	MONEY VIEW	15	16,00,000	Placement & Internship
39	MICROFOCUS	11	10,50,000	Placement & Internship
40	WALMART GLOBAL	1	20,00,000	Placement & Internship
41	INFORMATICA	2	7,40,000	Placement & Internship
42	NOKIA	8	6,30,000	Placement & Internship
42A	NOKIA	2	6,80,000	Placement & Internship
43	GAMES 24x7	12	13,00,000	Placement & Internship
44	EVERTZ	2	3,50,000	Placement & Internship
45	JOB DOST	5	4,50,000	Placement & Internship
46	CSS CORP	4	4,25,000	Placement & Internship
46A	CSS CORP	1	3,60,000	Placement & Internship
47	UNSCHOOL	4	5,00,000	Placement & Internship
48	DELTA ELECTRONICS	2	6,00,000	Placement & Internship
49	LTTTS	14	4,50,000	Placement & Internship
50	BYJUS	8	10,00,000	Placement & Internship
51	ANZ-2	7	12,00,000	Placement & Internship
51A	ANZ	18	12,00,000	Placement & Internship
52	ZENSAR	13	4,00,000	Placement & Internship
53	SKOLAR	15	6,00,000	Placement & Internship
54	TATA ELXSI	1	3,36,877	Placement & Internship
55	REVATURE	5	4,00,000	Placement & Internship
56	OPERATIVE	2	4,00,000	Placement & Internship
57	ALTIMETRIK	3	7,00,000	Placement & Internship
58	CGI	2	4,50,000	Placement & Internship
59	JOHNSON CONTROLS	3	6,00,000	Placement & Internship
60	EY	7	6,37,173	Placement & Internship
61	HAPPIEST MINDS	9	5,40,000	Placement & Internship
62	EXPLEO GROUP	5	5,00,000	Placement & Internship
62A	EXPLEO GROUP	5	5,00,000	Placement & Internship
63	WEST PHARMACEUTICALS	2	5,00,000	Placement & Internship
64	HUMAN FRACTAL	1	4,00,000	Placement & Internship
65	QUEST GLOBAL	14	4,00,000	Placement & Internship
66	CERNER	5	6,00,000	Placement & Internship
67	GLOBAL LOGIC-HiTachi	2	5,50,000	Placement & Internship
68	SKILL VERTEX	28	5,50,000	Placement & Internship
69	ENVISION FINANCIAL SYSTEMS PVT LTD	3	4,30,000	Placement & Internship
70	AXISCADES	4	3,50,000	Placement & Internship
71	LEEWAY HERTZ	1	2,84,000	Placement & Internship



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, scientists to collect, curate, and showcase the scholarly communication activities and provide an opportunity to create the scholarly network. BMSIT&M through IRINS brings the details of its faculty research and publications details for the month of December-2021



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