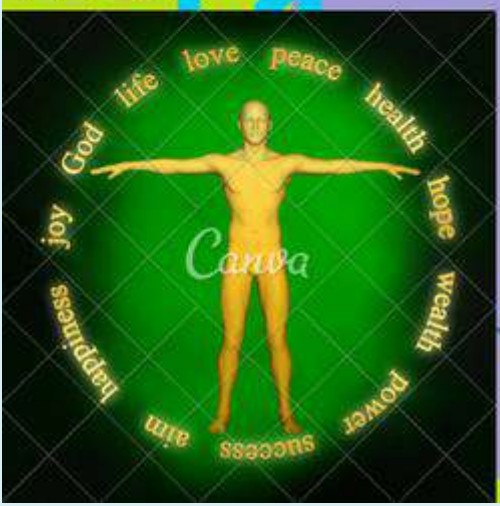
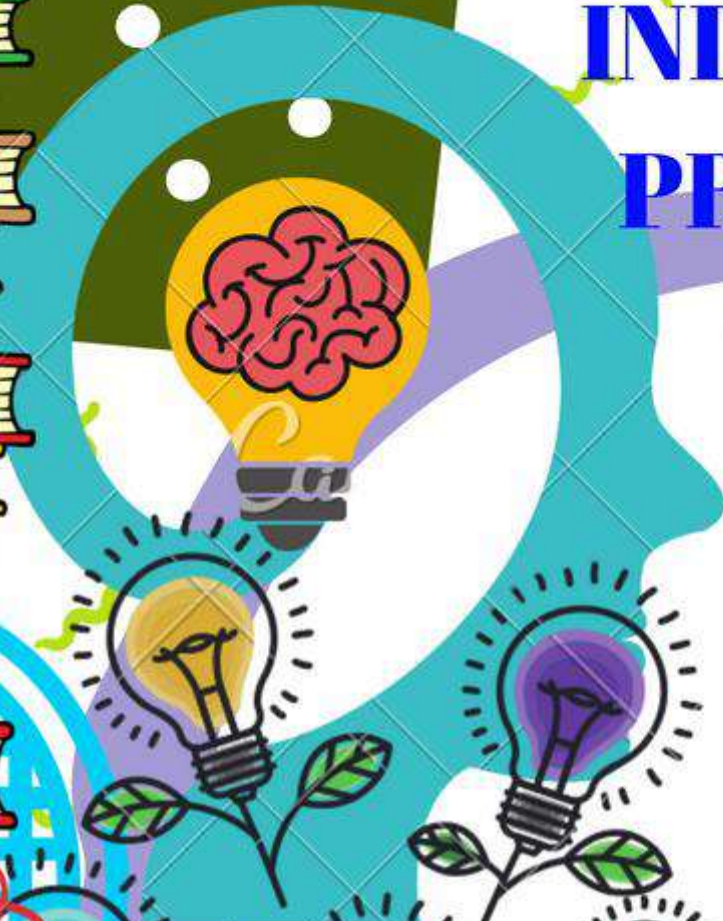
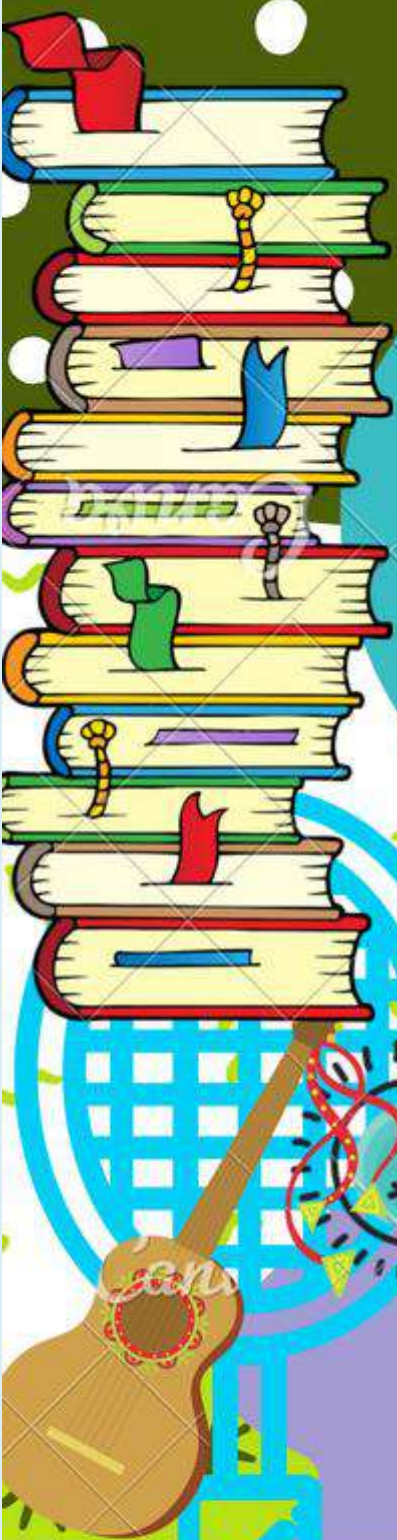




FIRST YEAR INDUCTION PROGRAM

2018-2019



From the HODs' Desk



I am pleased to share with all my students and faculty members and other stakeholders of the department about the Induction program of first year students.

When new students enter a department, they come with diverse thoughts, backgrounds and preparations. It is important to help them adjust to the new environment and inculcate in them the ethos of the institution with a sense of larger purpose.

As per the AICTE directions, BMSIT&M planned a 3-week long induction program for the UG students of all the departments and the Department of ISE, Implemented as per the directions of the Principal and Vice principal to come into effect right at the start. Normal classes start only after the induction program is over. Its purpose is to make the students feel comfortable in their new environment, open them up, set a healthy daily routine, create bonding in the batch as well as between faculty and students, develop awareness, sensitivity and understanding of the self, people around them, society at large, and nature. The time during the Induction Program is also used to rectify some critical lacunas.

I would like to thank my entire team ISE for their truthful contribution and special thanks to coordinators for their efforts in releasing the first year Induction program 2018-19 proceedings.

I would like to end with the words of Abraham Lincoln “The best way to predict future is to create it”

Dr. Manjunath T N
HOD-ISE

From the coordinator desks'



In order to enhance the knowledge of diversity for the Engineering students (UG), AICTE has come up with Induction Program for 21 days at colleges.

In today's dynamic global economy, centred on the development and exchange of knowledge and information, individuals prosper, who are fluent in several disciplines and comfortable moving among them. Creativity, adaptability, critical reasoning, and collaboration are highly valued skills. When it comes to fostering those skills in the classroom, integrated study is an extremely effective approach, helping students develop multifaceted expertise and grasp the important role interrelationships can play in the real world.

I wish all the First year students of ISE very best and a pleasant stay in the Department.

Dr. Usha B A
Associate Professor

From the coordinator desks'



“Focus on the journey, not the destination. Joy is not found in finishing a course, but in doing it.”

Learning is the process of constantly updating in an ever changing world. This four years' experience is the most rapid changes of life and is critical in a Student's development. Students develop rapidly during this time; physically, intellectually, emotionally and socially. All students should be given the opportunity to experience the very best possible start to their professional education.

Learning at our Institute is based on the fundamental principles of life; teaching the children to be courageous, confident, disciplined, responsible and loyal. Education at our department provides a foundation for a lifetime of learning and is great fun too.

Our motto 'Touching Minds, Shaping Futures' is our guiding force and we remain committed to our endeavour.

I also take this opportunity to thank the parents of our students for having bestowed their faith and confidence in us. Your faith in us is our driving force.

I would like to end with the words of Albert Einstein – “Imagination is more important than knowledge, for while knowledge defines all that we currently know and understand, imagination points to all we might yet discover and create.”

Prof.Ashwini N
Assistant Professor

BMS INSTITUTE OF TECHNOLOGY & 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 a stimulating learning environment through high quality academic instruction, innovation and industry-institute interface.

ABOUT INSTITUTION

In view of the growing demand for technical education and with the goal of establishing a premier technical education on par with international standards, a new technical institution by name 'BMS Institute of Technology and Management' was established in 2002. Currently, BMSIT & M offers seven UG, three PG programs and Ph.D. /M.Sc. (Engg.) in seven disciplines. BMSIT & M considers research to be of equal importance as academics for the betterment of an institution. Research culture has been embraced well by the faculty members and research scholars at BMSIT and M. In this report, we present an overview of the research activities of Information Science and Engineering, BMSIT & M.



DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

VISION

Emerge as centre of learning in the field of information science & engineering with technical competency to serve the society.

MISSION

To provide excellent learning environment through Balanced Curriculum, Best Teaching Methods, Innovation, Mentoring and Industry Institute Interaction.

About the Department

Department is established in the year 2010 with an sanctioned intake of 60 and enhanced to 120 from 2018-19 which is affiliated to VTU, recognized by AICTE. The department strives to be a center for excellence in the field of information

Science with dedicated faculty, highly motivated students, state-of-the-art facilities and an innovative teaching-learning environment. The department runs UG - BE in information Science and Engineering and M.Sc. (Engg) and Ph.D Program. The UG - BE Program (ISE) was accredited by the National Board of Accreditation (NBA), New Delhi for 3 years valid up to 2021. The Department has adopted learner centric approach to groom the students in right direction. The Department has more than 140+ research articles published in various national/international conferences and Journals. Our Students has consistently demonstrated the excellent placement track record of above 90 percent. Our Students have demonstrated a high level of success at pursuing post graduate studies at top universities of the world as per QS World University Rankings. Few of our Students have turned into successful entrepreneurs and running their successful business in the areas of Software Services and Allied areas and department runs Jnan IT consulting services under CIPRAC.

PROGRAMME EDUCATIONAL OBJECTIVES (PEO's)

PEO-1: Successful professional career in Information Science and Technology.

PEO-2: Pursue higher studies & research for advancement of knowledge in IT industry

PEO-3: Exhibit professionalism and team work with social concern.

PROGRAMME OUTCOMES (PO's)

1. **Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
2. **Problem analysis:** Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
3. **Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

4. **Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
5. **Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
6. **The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
7. **Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
8. **Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. **Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
10. **Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
11. **Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
12. **Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAM SPECIFIC OUTCOMES (PSO's)

PSO-1: Apply the knowledge of information technology to develop software solutions.

PSO-2: Design and Develop hardware systems, manage and monitor resources in the product life cycle.



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Program Schedule

Initial Phase

Time	Activity	Faculty In Charge	
Day 1	Monday (13-08-2018)		
8.30 am to 10.00 am	Students arrive at hostel. (Preferably do pre allotment)	At College Level	
10:30 am - 12:30 pm	Inauguration of First Year Classes: <ul style="list-style-type: none"> Addresses by VIP's Prize distribution for rank holders. Institute level Orientation: <ul style="list-style-type: none"> BMSIT&M presentation 		
12.30 pm – 2.00 pm	Lunch		
2:00 am - 4:00 pm	Institute level Orientation: <ul style="list-style-type: none"> Presentation on VTU rules and regulations (40 minutes) Department & Placement presentation (40 minutes) Interaction with parents (40 minutes) Student registration (only required data - attendance) 		
Day 2	Tuesday (14-08-2018)		
9:00 am - 10:00 am	<ul style="list-style-type: none"> Welcome address & briefing about the induction programme by HoD Ice breaking sessions 	At College Level	
10.00 am – 10.20 am	Tea Break		
10:20 am - 12:20 pm	<ul style="list-style-type: none"> Principal's address Presentation on central facilities Department Orientation: <ul style="list-style-type: none"> ➤ Presentation on department rules and regulations. ➤ Overview of the Programme ➤ Information about clubs in the department 		
12:20 pm - 01:30 pm	Lunch		
01:30 pm - 04:00 pm	<ul style="list-style-type: none"> Mentor-mentee groups - Introduction within group. (To be allotted in advance-1 mentor with approximately 20 mentees equally, late admission students to be distributed among all the mentors - Same as Universal Human Values groups) 		
Day 3	Thursday (16-08-2018)		
Session	Time	Activity(ISE)	
I	09:00 am - 9:30 am	Thought for the day / Ice breaking sessions Day 3:Pair-Introduction	Prof. Shwetha Prof. Shanthi
II	09:30 am - 11:00 am	Visits to local areas – Day 3: Visit to Sri Ravi Shankar Ashram, Kanakapura Main Road	Dr. Usha B A Prof. Ashwini
	11.00 am – 11.30 am		
III	11:30 am - 1:00 pm		
IV	02:00 pm - 04:00 pm		
Day 4	Friday (17-08-2018) (Holiday)		
Session	Time	Activity(ISE)	
I	09:00 am - 9:30 am	Thought for the day / Ice breaking sessions Exchange of information by students of their custom	Prof. Shwetha Prof. Shanthi
II	09:30 am - 11:00 am	Creative Arts- Pidilite Craft – The Artist in me	Prof. Ashwini N
11.00 am – 11.30 am Tea Break			
III	11:30 am - 1:00 pm	Creative Arts- Pidilite Craft – The	

		Artist in me	
1:00 pm - 2:00 pm Lunch			
IV	02:00 pm - 04:00 pm	Performing Arts(Arrange for a yoga class)	Prof. Bhavya
Day 5	Saturday (18-08-2018)		
Session	Time	Activity(ISE)	
I	09:00 am - 9:30 am	Thought for the day / Ice breaking sessions	
II	09:30 am - 11:00 am	<ul style="list-style-type: none"> • Career Guidance(Company) • Interaction with seniors(Interaction with entrepreneurs at department)-SM • Alumni Interaction-SDL 	Prof. Mahalakshmi
11.00 am – 11.30 am Tea Break			
III	11:30 am - 1:00 pm	<ul style="list-style-type: none"> • Demo on Software developed by their seniors 	Prof. Veena Mrs. Amudha
Day 6	Monday (20-08-2018)		
Session	Time	Activity(ISE)	
I	09:00 am - 9:30 am	Thought for the day / Ice breaking sessions	
II	09:30 am - 11:00 am	Universal Human Values -ISKCON conducted	
11.00 am – 11.30 am Tea Break			
III	11:30 am - 1:00 pm	Universal Human Values - ISKCON	
1:00 pm - 2:00 pm Lunch			
IV	02:00 pm - 04:00 pm	Proficiency Session- Session by Senior ODU Students on the importance of the ODU course and entrepreneurs	Mr. Nikil Mr. Aseef Pathan
Day 7	Tuesday (21-08-2018)		
Session	Time	Activity(ISE)	
I	09:00 am - 9:30 am	Thought for the day / Ice breaking sessions	
II	09:30 am - 11:00 am	Creative Arts- Pidilite Craft – The Artist in me(AN)	
11.00 am – 11.30 am Tea Break			
III	11:30 am - 1:00 pm	Creative Arts- Pidilite Craft – The Artist in me(AN)	
1:00 pm - 2:00 pm Lunch			
IV	02:00 pm - 04:00 pm	Sports Session:Conducting Indoor and outdoor games	Prof. Bhavya Prof. Chandru
Day 8	Thursday (23-08-2018)		
Session	Time	Activity(ISE)	
I	09:00 am - 9:30 am	Thought for the day / Ice breaking sessions	
II	09:30 am - 11:00 am	Universal Human Values Day 8: (Mr. Sathya Narayana Raju-Session)	Prof. Shwetha Prof. Shanthi
11.00 am – 11.30 am Tea Break			
III	11:30 am - 1:00 pm	Universal Human Values Day 8: (Mr. Sathya Narayana Raju-	Prof. Usha Prof. Ashwini

		Session)	
1:00 pm - 2:00 pm Lunch			
IV	02:00 pm - 04:00 pm	Literary activity : Performances by senior students of 5 th Semester.	Mr. Ishan Mr. Trivikram Ms. Shreeja

Day 9		Friday (24-08-2018)	
Session	Time	Activity(ISE)	
I	09:00 am - 9:30 am	Thought for the day / Ice breaking sessions Day 9:Exhibit their talents	Prof. Shwetha Prof. Shanthi
II	09:30 am - 11:00 am	Visits to local areas – Day 9: Visit to GKVK Visit	Prof. GB Prof. CKT
	11.00 am – 11.30 am		
III	11:30 am - 1:00 pm		
IV	02:00 pm - 04:00 pm		
Day 10		Saturday (25-08-2018)	
Session	Time	Activity(ISE)	
I	09:00 am - 9:30 am	Thought for the day / Ice breaking sessions	Prof. Shwetha Prof. Shanthi
II	09:30 am - 11:00 am	• Performance by senior students	
11.00 am – 11.30 am Tea Break			
III	11:30 am - 1:00 pm	• Performing arts – department level Talent exhibition of seniors and Alumni	
Day 11		Monday (27-08-2018)	
Session	Time	Activity(ISE)	
I	09:00 am - 9:30 am	Thought for the day / Ice breaking sessions	Prof. Shwetha Prof. Shanthi
II	09:30 am - 11:00 am	Proficiency Session- Day 11: (Mr. Ashitosh Sunthe-MD EDUPROF)	Prof. Usha
11.00 am – 11.30 am Tea Break			
III	11:30 am - 1:00 pm	Universal Human Values Day 11: Putting videos on human values.	Prof. Ashwini
1:00 pm - 2:00 pm Lunch			
IV	02:00 pm - 04:00 pm	Literary activity: Performance by Niel Danak-Indian Idol Academy	Prof. Ashwini
Day 12		Tuesday (28-08-2018)	
Session	Time	Activity(ISE)	
I	09:00 am - 9:30 am	Thought for the day / Ice breaking sessions	Prof. Shwetha Prof. Shanthi
II	09:30 am - 11:00 am	Creative Arts - Pidilite Craft – The Artist in me(AN)	Prof. Ashwini
	11.00 am – 11.30 am	Tea Break	
III	11:30 am - 1:00 pm	Creative Arts- Pidilite Craft – The Artist in me(AN)	
1:00 pm - 2:00 pm Lunch			
IV	02:00 pm - 04:00 pm	Tuesday (14-08-18) <u>College level clubs</u> Library (30 mins) Eco club (30 mins)	Prof. Ashwini

		NSS (20 mins) NCC (20 mins) Photography (20 mins)	
Day 13	Wednesday (29-08-2018)		
Session	Time	Activity(ISE)	
I	09:00 am - 9:30 am	Thought for the day / Ice breaking sessions	Prof. Shwetha Prof. Shanthi
II	09:30 am - 11:00 am	Universal Human Values – Gandhi movie to be shown	Dr. Usha B A
	11.00 am – 11.30 am	Tea Break	
III	11:30 am - 1:00 pm	Universal Human Values – Gandhi movie to be shown	

1:00 pm - 2:00 pm Lunch			
IV	02:00 pm - 04:00 pm	Proficiency Session-Talk by Expert(Eduprof)	Dr. Usha B A
Day 14	Thursday (30-08-2018)		
Session	Time	Activity(ISE)	
I	09:00 am - 9:30 am	Thought for the day / Ice breaking sessions	Prof. Shwetha Prof. Shanthi
II	09:30 am - 11:00 am	Creative Arts - Pidilite Craft – The Artist in me(AN)	Prof. Ashwini
	11.00 am – 11.30 am	Tea Break	
III	11:30 am - 1:00 pm	Creative Arts Pidilite Craft – The Artist in me(AN)	
1:00 pm - 2:00 pm Lunch			
IV	02:00 pm - 04:00 pm	Sports Session Conducting Indoor and outdoor games	Prof Bhavya Prof. CKT

Closing Phase

Day 15	Friday (31-08-2018)	All Branches	Faculty In charge
Session	Time	Activity	
I	09:00 am – 01:00 pm	<ul style="list-style-type: none"> Feedback session Discussions and finalization of presentations within each department. Showcasing of talent within the departments. 	Prof. Ashwini
1:00 pm - 2:00 pm -Lunch			
II	02:00 pm - 04:00 pm	<ul style="list-style-type: none"> Showcasing of talent within the departments. 	Prof. Ashwini
Day 16	Saturday (01-09-2018)	All Branches	
Session	Time	Activity (All Branches)	
I	Last Day (Whole day)	<ul style="list-style-type: none"> Presentation by each department at the college level in the amphitheatre. (15 minutes for each department) 	At College Level

Profile of Speakers

Mr. Satyanarayana Raju Mudunuri



Mr. Satyanarayana Raju is basically a Civil Engineer, Masters in HR, Applied Psychology, Certification in counselling, Neuro Linguistic Programming, Yoga and Meditation. He works as professor and chief mentor in Nagarjuna Group of Institutions.

He is an ambassador of Toast Masters International USA (Public Speaking Forum). He got a award of “Distinguished Toast Master”- highest award in public speaking in world.

His goal is to visit reputed institutions in all countries and create awareness on health and happiness.

Organized many Youth Empowerment Programs through Rural Development wing of Art of Living (AOL). Conducted more than 1000 free laughter yoga sessions to under privileged children and Senior Citizens.

Mr. Ashitosh Sunthe



Ashitosh was a Math prodigy right from his school days. Even before completing his B.E. in CSE from the prestigious RV College, Bangalore, he cracked the CAT and got offer letters from the IIMs. While studying for CAT, his coach Byju Ravindran (BYJU’s Founder) recognized his innate mathematical wizardry and assigned him with the coveted responsibility to co-teach CAT modules and co-design math content for various tests.

When he taught Quantitative aptitude for IAS aspirants at the Achivers’ Academy, his students were quick to appreciate his teaching skills and he was awarded the best faculty award at the institute. Equipped with such strong subject knowledge and a skill to impart it, it was only natural that he felt a need to share his knacks and tricks with society.

Master Niel Danak



Niel is a 15 year old entertainer with enormous talent and blessed with melodious voice and has interest in dance and acting. Among the known groups he is known as little Salman Khan.

Niel started learning Hindustani classical at the age of six and since then have been performing on various stages and have won many competitions. He has been trained to sing Bollywood singing from Indian Idol Academy since last 4 yrs and have performed in more than 50 shows and won many heart's.

Niel is also deeply inclined towards devotionals singing. He is blessed by Shri Narendra Chanchalji while he sang his own devotional song in New Delhi which was live telecast on Shradha channel, later performed in front of more than 50000 people In Hyderabad.

Mr. Sridhar



By profession Sridhar works as Director for the largest IT Company in the world (IBM). He heads a Network Service department for Asia Pacific with over 2000 employees under him. He is present secretary for Yash Classic Enclave. He is a Youth President in Rotary.

Mr. Sridhar is also a cultural committee member in Henu Banaswadi cosmopolitan club and Bengaluru Regional Head of Indian Idol Academy.