



Bapuji Educational Association (Regd.)
Bapuji Institute of Engineering and Technology, Davangere-04
(Affiliated to VTU Belagavi, Approved by AICTE, New Delhi)
Accredited by the NAAC with A Grade



INFO VOICE

Department of Information Science and Engineering

Volume-3

August 2019 - July 2020



“Education is not the learning facts but the training of the mind to think”

-Albert Einstein

Vision of the Institute

“To be **center of excellence** recognized **nationally** and **internationally**, in distinctive areas of **engineering education** and **research**, based on a culture of **innovation** and **invention**.”

Mission of the Institute

“BIET contributes to the **growth** and **development** of its students by imparting a board based **engineering education** and **empowering** them to be successful in their chosen field by inculcating in them **positive approach**, **leadership qualities** and **ethical values**.”

Vision of the Department

“To be the **center of excellence** by adopting technological **innovation** in **academics** and **research** to develop competent **man power** for emerging needs of **society** and **industries**.”

Mission of the Department

- M1:** To provide **quality education** to meet the challenges of technological changes to succeed in their **professional career** and **higher education**.
- M2:** To inculcate the culture of **research**, **innovation** and **entrepreneur skills** among the students.
- M3:** To groom our students with the quality of **team spirit**, **leadership skills** and **ethical values**, to share and apply their knowledge for the **benefit of the society**.

Program Educational Objectives (PEOs):

- PEO1-** To develop professional skills in students that prepares them for immediate employment and lifelong learning in recent information technology and its related fields.
- PEO2 -** The ability to cater ever changing technological environments in creating innovative career paths to be an entrepreneur, and a zest for higher studies.
- PEO3 -** To adopt multidisciplinary approach to analyze and solve real world problems.
- PEO4 -** To inculcate ethics, communication and team work skills and ability to relate information technology issues with social awareness.

Program Specific Outcomes (PSOs):

- PSO1-** The graduates of the Program will have solid foundation in the principles and practices of information science, including basics of engineering.
- PSO2-** The graduates of the Program will be prepared for their careers in the software industry or pursue higher studies and continue to develop their professional knowledge as members of multi-disciplinary teams.
- PSO3-** The graduates of the program will practice the profession with ethics, integrity, leadership and social responsibility.

The objectives of the newsletter mainly focus on the:

- Achievements of the Students and Faculty members from the IS & E department in Curricular, Co-curricular and Extra-curricular Activities.
- The Recent trends in the area of Information Science & Engineering and related areas.

About the Department:

The department was established in the year 2000 with an intake of 60 students and it is increased to 120 in the year 2007. The department is equipped with all necessary infrastructure and laboratory facilities. Keeping in view of the vision of the department, the department of ISE is working to achieve excellence in various aspects such as: students' performance, effective teacher-student relationship, imparting quality education to students, motivating faculty and students towards research and imbining best human qualities in students.

The department has a strong and active Forum INFOZEST helping in all-round development of the students through various Technical Workshops on Recent Technologies like Big Data, Cloud Computing, Python, Android, IoT etc. Extensive placement trainings are conducted to improve employability of the students. The faculty of the department is actively involved in research activities in various technical domains.

The department has recognized by IIT Bombay as one of the remote centre. It uses an ICT enabled process to actually reach out and engage a large number of teachers, and through them, a much larger number of students. The department has established Industry 4.0 Center of Excellence in collaboration with Rovelabs, Bengaluru to adapt itself to the rapid advancements in various specialized fields.

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Message from HOD's Desk:

Welcome and best wishes to all the friends who receive this Newsletter. It gives me great opportunity to present the third issue of "INFO VOICE". It is a platform to bring out the hidden talents of students and faculties. Department has organized many Technical Talks, workshops for students and FDPs for faculties. This newsletter will highlight all such activities. I congratulate editors of the Newsletter for their effort in bringing out this Newsletter colorfully with all the events covering from August 2019 To July 2020. I wish them all the success.

I would like to thank all my colleagues for their tireless efforts to help the department progress at a very steady pace.

**Dr. Poornima B.
Prof. & Head,
Dept. of IS&E**



INSYNC, the forum of IS&E organized an awareness talk on “Cyber Security ” by Mr. Vincent D’souza, Founder, Cybersapiens United LLP and team on 15th Oct 2019 for senior citizen.



INSYNC, the forum of IS&E organized a Three day workshop on “**Hands-On Workshop on Internet of Things** ” by Mr. Shreyas Vernekar, Decibels Labs Pvt. Ltd, Bengaluru and team from 6th to 8th March 2020.



INSYNC, the forum of IS&E organized a “**Talk**” by **Mr. Manjunath Mahashetty** on 13th March 2020 in S G Balekundri Seminar Hall.



INSYNC, the forum of IS&E organized “**Pi-Day**” celebration on 14th March 2020 in S G Balekundri Seminar Hall in presence of **Mr. Manjunath Mahashetty**.

Faculty Publication for the year 2019-20

Sl. No.	Title of the Paper	Author Name	Title of the Journal	Year of Publication with ISSN/ISBN No.
1	A comprehensive survey on non-photorealistic rendering and benchmark developments for image abstraction and stylization.	Dr. Poornima, B	Iran Journal Computation	2019, 131–165 https://doi.org/10.1007/s42044-019-00034-1 . (Indexed by : DBLP)
2	Cervical Cancer Cell Identification & Detection using Fuzzy C Mean and K Nearest Neighbor Techniques	Prof. Bhuvaneshwari K V Dr. Poornima B.	International Journal of Innovative and Exploring(IJITEE)	ISSN:2278-3075 Volume 8, Issue 10, August 2019
3	A Computational Modeling for Knowledge Binding of the Unstructured Web Data	Prof. Patil N S	International Journal of Innovative Technology and Exploring Engineering(IJITEE)	ISSN:2278-3075,volume 9 issue-2S Dec 2019
4	Application of Neural Networks for Sentence Similarity	Prof. Anitha G	A Journal of Composition Theory	ISSN: 0731 – 6755 Volume 12, Issue 8, September 2019

5	Arachis Hypogaea Leaf Disease Detection Model using Image Processing	Prof. Chandan V Prof. Sheik Imran	Journal of Emerging Technologies and Innovative Research(JETIR)	ISSN:2349-5162 Volume 7, Issue 6 June 2020
6	Touch Your Sound: A Review on Hearing Based Bone Conduction Technology	Prof. Sheik Imran Prof. Chandan V	International Journal of Creative research Thoughts(IJCRT)	ISSN:2320-2882 Volume 8, Issue 3 March 2020
7	Identification of Student Characteristics using Dermatoglyphics for enhancement of their learning techniques	Prof. Sheik Imran Prof. Chandan V	International Research Journal of Engineering and Technology(IRJET)	ISSN:2395-0072 Volume 07, Issue 01 Jan 2020
8	A GEO-Tagging Based Hybrid Mobile Attendance System	Prof. Sheik Imran Prof. Chandan V	International Journal of Scientific Research in Computer Science, Engineering and Information Technology	ISSN: 2456-3307, Volume 5 Issue 6
9	Hand Gesture Recognition System for Controlling Home Appliances	Prof. Sheik Imran	International Journal of Science and Research(IJSR)	ISSN:2319-7064 Volume 8, Issue 8 August 2019
10	Effective Crop Selection and Conservative Irrigation Using IoT	Prof. Sheik Imran	International Journal of Science and Research(IJSR)	ISSN: 2319-7064 Volume 8, Issue 12 December 2019
11	Identification of Plant leaf disease using Machine Learning Technique	Prof. Patil N S	International Journal of Advanced Research in Computer and Communication Engineering	2020 2319-5940 Voulme:9 Issue:7
12	Juice Filming Attack	Prof. Puneeth S P	International Journal of Advanced Research in Computer and Communication Engineering	Vol. 9, Issue 6, June 2020 ISSN 2278-1021

Faculty participation for the year 2019-20

Sl.no	Name of the faculty	Workshop/ FDP/ STTP / Webinar	Organized	Date	No. of days
1	Dr. Poornima B.	NBA and NAAC accreditation Process	M S Ramaiah Institute of Technology, Bangalore	4 th to 8 th June 2020	5
2	Dr. Vinutha H. P.	Data Science and Big Data Analytics	ICT Academy	21 st to 25 th Jan 2020	5
		Effective Usage of Educational Technology in Teaching Learning Process as a part of NBA Accreditation	MSRIT, Bangalore	22 nd to 26 th June 2020	5
3	Prof. Jyothi G. C.	Data Science and Big Data Analytics	ICT Academy	21 st to 25 th Jan 2020	5
		“An Effective Research Paper Writing Skills”	Bhagawan Mahavir College of Commerce and Management Studies, Surat, Gujarat	13 th to 16 th April 2020	4
4	Prof. Bhuvaneshwari K. V.	A Effective Research Paper Writing Skills	Bhagwan Mahavir College of Commerce and Management Studies	13 th to 16 th April 2020	4
		Python Programming through InfyTQ Platform	Infosys Limited	6 th to 13 th July 2020	8
		STTP program	Manipal Institute of Technology	4 th to 9 th Nov 2019	6
		Emerging trends in Medical Image Processing and its Applications	AIT, chikkamagalur	9 th -12 th Dec 2019	14
5	Prof. Chandan V.	An Effective Research Paper Writing Skills	Bhagawan Mahavir College of Commerce and Management Studies, Surat, Gujarat	13 th to 16 th April 2020	4

		Networks and Security	NMAMIT, Nitte, Karkala	26 th to 29 th May 2020	4
6	Prof. Anitha G.	“An Effective Research Paper Writing Skills”	Bhagawan Mahavir College of Commerce and Management Studies, Surat, Gujarat	13 th to 16 th April 2020	4
7	Prof. Patil N. S.	”Emerging technologies in JIT Industry”	JIT, Belagavi.	28 th to 30 th May 2020	3
		Frontiers of Computer Science	JIT, Davangere	6 th to 10 th July 2020	5
8	Prof. Rekha B. H.	Significance of IP, Design & Innovation and Design Thinking	CMR Institute of Technology, Bengaluru	21 st to 23 rd May 2020	3
		Applied Machine Learning using Python	Department of ISE, NMAM Institute of Technology, Nitte.	9 th to 12 th June 2020	4
		NBA and NAAC accreditation Process	M S Ramaiah Institute of Technology	4 th to 8 th June 2020	5
		Contemporary Research Methodology and Latex for Research Documentation	Department of Computer Science and Engineering GSSSIETW, Mysuru	20 th to 24 th July 2020.	5
9	Prof. Varsha M.	A Effective Research Paper Writing Skills	Bhagwan Mahavir College of Commerce and Management Studies	13 th to 16 th April 2020	4
		Python 3.4.3	Pune Vidyarthi’s Griha’s College of Engineering and Technology	25 th to 30 th May 2020	6
		NBA and NAAC accreditation Process	M S Ramaiah Institute of Technology	4 th to 8 th June 2020	5
		“Applied Machine Learning Using Python”	Department of ISE, NMAM Institute of Technology, Nitte.	9 th to 12 th June 2020	4

		Recent Trends in Information Technology	BIT, Bengaluru	2 nd to 6 th June 2020	5
		R Language & R Studio	Cambridge Institute of Technology, Bengaluru	22 nd June to 5 th July 2020	15
		Python Programming through InfyTQ Platform	Infosys Limited	6 th to 13 th July 2020	8
10	Prof. Puneeth S. P.	IoT trends and strategies with Machine Learning	Visvesvaraya Technological University	30 th Dec 2019 to 4 th Jan 2020	6
		Machine Learning and its Applications	BGS institute of Technology	22 nd to 27 th Jan 2020	7
		Significance of IP, Design , Innovation & Design thinking	CMRIT, Bengaluru	21 st to 23 rd May 2020	3
		Networks and Security	NMAM Institute of Technology, Nitte	26 th to 29 th May 2020	4
		The Role of edutech in classroom Teaching and Learning	Annamalai University	5 th to 11 th June 2020	7
		R Language & R Studio	Cambridge Institute of Technology, Bengaluru	22 nd June to 5 th July 2020	15
11	Prof. Ranjana B. Jadekar	Data Science and Big Data Analytics conducted by ICT Academy	Bapuji Institute Of Engineering And Technology, Davanagere.	21 st to 25 th Jan 2020	5
		Python programming fundamentals	DecibelsLab	27 th to 29 th April 2020	3
		“Applied Machine Learning Using Python”	Department of ISE, NMAM Institute of Technology, Nitte.	9 th June to 12 th 2020	4
		NBA and NAAC accreditation Process	M S Ramaiah Institute of Technology, Bangalore	4 th to 8 th June 2020	5

		R Language & R Studio	Cambridge Institute of Technology, Bengaluru	22 nd June to 5 th July 2020	15
12	Prof. Hemashree H. C.	Hands-On Microcontroller and Embedded Systems	GM Institute of Technology	20 th to 22 nd Jan 2020	3
		Networks and Security	NMAM Institute of Technology, Nitte	26 th to 29 th May 2020	4
		Python 3.4.3	Pune Vidyarthi's Griha's College of Engineering and Technology	25 th to 30 th May 2020	6
		NBA and NAAC accreditation Process	M S Ramaiah Institute of Technology, Bangalore	4 th to 8 th June 2020	5
		R Language & R Studio	Cambridge Institute of Technology, Bengaluru	22 nd June to 5 th July 2020	15
		FDP on "Machine Learning and Artificial Intelligence"	Ghousia College of Engineering, Ramanagara	8 th to 12 th June 2020	7
		Emerging Trends in Cyber Security	CMRIT, Bengaluru	15 th to 20 th June 2020	7
		Recent Trends in Information Technology	BIT, Bengaluru	2 nd to 6 th June 2020	5
		Applied Machine Learning Using Python	NMAM Institute of technology, Nitte	9 th to 12 th June 2020	4
13	Prof. Kamala R.	Data Science and Big Data Analytics	ICT Academy	21 st to 25 th Jan 2020	5
		NBA and NAAC Accreditation Process	M S Ramaiah Institute of Technology, Bangalore	4 th to 8 th June 2020	5
		Applied Machine Learning Using Python	NMAM Institute of technology, Nitte	9 th to 12 th June 2020	4

Students participation for the year 2019-20

Sl. No.	Name of the Students	Sem	Name of the Workshop/ Seminar/ Lecture/ Conference / Competition/ Course/Fest	Organized By	Date	Participated / Presented/ Published/ Completed	Prizes won (if any)
1.	Anagha K S	6 th	The Fundamentals of Digital Marketing	Google Digital Garage	27 th June 2020	Completed	-
2.	Shilpa B V	6 th	Angular Js	Braino O Vision Solutions	26 th June 2020	Participated	-
3.	Vaishnavi S	8 th	Machine Learning for Absolute Beginners	Udemy	16 th June 2020	Completed	-
4.	Rupal Chaudhary	6 th	RPA Skill – A - HON	GUVI	10 th Oct 2020	Participated	-
5.	Arpitha Shivabasappa Mahant	8 th	Carrer Edge [Knockdown The Lockdown]	TCS-ION	8 th June 2020	Completed	-
6.	Arpitha Shivabasappa Mahant	6 th	Digital Marketing Basics Course	Digital Deepak	8 th June 2020	Completed	-
7.	Arpitha Shivabasappa Mahant	6 th	The Fundamentals of Digital Marketing	Google Digital Unlocked	6 th June 2020	Completed	-
8.	Rupal Chaudhary	6 th	VMware Network Virtualization	VMWare	6 th June 2020	Participated	-
9.	Neha R P	6 th	EV Modelling and Simulation Fundamentals	Decibels	2 nd June 2020	Completed	-
10.	Varshitha H	8 th	Published a Research Paper on Juice Filming Attack	International Journal of Advanced Research in Computer and Communication Engineering	June 2020	Published	-
11.	Yogashree P M	8 th	Published a Research Paper on Juice Filming Attack	International Journal of Advanced Research in Computer and Communication Engineering	June 2020	Published	-

12.	Adarsh M.V Soumya D M Manushri P M Vaishnavi S Apoorva B R Paravallika G R Sushma K M Rajashekhar M K Sanjay Y	4 th	Step into Robotic Process Automation	GUVI	29 th May 2020	Completed	-
13.	Neha R P	4 th	Python Basics	Courseera	26 th May 2020	Completed	-
14.	Sushma K M	4 th	C++ Tutorial	Solo Learn	12 th May 2020	Completed	-
15.	Kaveri Zalaki	6 th	COVID-19 Awareness Quiz	BIET Davanagere	03 rd May 2020	Participated	-
16.	Nikhil H.V	8 th	Autopsy	Basis Technology	30 th April 2020	Completed	-
17.	Neha R.P	4 th	Data Science Course	IBM – COURSERA	22 nd April 2020	Completed	-
18.	Adarsh M.V	4 th	Google Sheets	Google – COURSERA	4 th April 2020	Completed	-
19.	Adarsh M.V	4 th	Technical Support Fundamentals	Google – COURSERA	31 st Mar 2020	Completed	-
20.	Shukla R Vernekar	4 th	JAVA Tutorial Course	Solo Learn	30 th Mar 2020	Completed	-
21.	Pravallika Gujjar	4 th	C++ Tutorial Course	Solo Learn	27 th Mar 2020	Completed	-
22.	Pravallika Gujjar	4 th	SQL Fundamentals Course	Solo Learn	27 th Mar 2020	Completed	-
23.	Pravallika Gujjar	4 th	JAVA Tutorial Course	Solo Learn	25 th Mar 2020	Completed	-
24.	Sushma K.M	4 th	JAVA Tutorial Course	Solo Learn	24 th Mar 2020	Completed	-
25.	Adarsh M.V	4 th	Crash Course on Python	Google - COURSERA	23 rd Mar 2020	Completed	-
26.	Apoorva Bhupara	4 th	JAVA Tutorial Course	Solo Learn	4 th Mar 2020	Completed	-
27.	Piyush Choudhary	6 th	Ethical Hacking Course	UDEMY	4 th Mar 2020	Completed	-

28.	Adarsh M.V	4 th	front End Bootstrap	University of Science and Technology – COURSERA	3 rd Mar 2020	Completed	-
29.	Adarsh M.V	4 th	Getting Started With Python	University of Michigan-COURSERA	3 rd Mar 2020	Completed	-
30.	Aagama S Jain Aishwarya MR Akshatha K P Anagha K S Anushri.T Bhumika P S Chaitali R Shetty Chaitra KM Chinthana.K Deeksha. S. K Harshita B M Jagadeep Nandan Kavya patel Keerthi M Manisha Suguru Naveen N Nischal B Patil Pooja G B Prajwal K S Priya Yagati Radhe Shankar Rakshita Raju V Rupal Chaudhary Sahana Prakash Samanvitha P Samiksha M D Sanjana R S Sanjana V K Sathwik S R Shrilaxmi D B Sneha K J Soumya R H Soundarya S R Sujay S N Suma Gourish B Sumanth S R Sushmita KG Usha G M Vaibhavi R A Vandana Bander Varsha A Vinay Kumar K B Vinayaka C S Vishala S K Yeshaswini.P	6 th	Mobile App Development using React Native	Decibels Lab Pvt. Ltd.	22 nd Feb to 25 th Feb 2020	Participated	-

31.	Rajesh S	4 th	Seed Module 2 Course	Sankir Technologies	8 th Feb 2020	Completed	-
32.	Pajwal Gowda Patil	4 th	Seed Module 2 Course	Sankir Technologies	8 th Feb 2020	Completed	-
33.	Adarsh M.V	4 th	What is Data Science?	Coursera	13 th Jan 2020	Completed	-
34.	Prerana V Patil	8 th	Dermatoglyphics	International Research Journal of Engineering & Technology	1 st Jan 2020	Participated	-
35.	Gagan R Shetty	7 th	Cyber security in digital India Hackathon-2019	Ramaiah Inst. technology Bengaluru in association with K-Tech, KSCST, IISC	15 th & 16 th Nov 2019	Participated	-
36.	Sumanth G Hegde	7 th	Cyber security in digital India Hackathon-2019	Ramaiah Inst. technology Bengaluru in association with K-Tech, KSCST, IISC	15 th & 16 th Nov 2019	Participated	-
37.	Venkatesh Pratap Mall	5 th	Published a Research Paper A GEO Tagging based Hybrid Mobile attendance system	International Journal of Science Research in Computer Science, Engineering and Information Technology	5 th Nov 2019	Published	-
38.	Sanjana Yadav L	5 th	Inter college Debate contest-19	GMIT, Davangere in association with SBI	31 st Oct 2019	Participated	Consolation
39.	Samanvitha Patel	5 th	Inter college Debate contest-19	GMIT, Davangere in association with SBI	31 st Oct 2019	Participated	Consolation
40.	Adarsh M V	3 rd	Inter college Debate contest-19	GMIT, Davangere in association with SBI	31 st Oct 2019	Participated	Consolation

41.	Adarsh M V Shamanth S B Pavan kumar Vayuputra.M Suman.S.Y Shreya K Bhat Chinthana. K Chaitali R Shetty Suma Gourish Vaibhaivi.R.A Bhanu Prasad Padmashree.T.U Shrinidhi V K Vishwanath H Sanyam Bhat Sanjana G.N. Kailash. C.	3 rd and 5 th	BLOCK- ATHON -2019	PESIT, Shivamogga in association with Srichid Block chain services private ltd.	25 th Oct 2019	Participated	-
42.	Sathwik S R	5 th	Cyber security	Dept. of ISE,BIET in association with K-Tech, KSCST, IISC	14 th & 15 th Oct 2019	Participated	-
43.	Divya D Palankar	7 th	Cyber security	Dept. of ISE,BIET in association with K-Tech, KSCST, IISC	14 th & 15 th Oct 2019	Participated	-
44.	Vijay Kumar J	3 rd	Cyber security	Dept. of ISE,BIET in association with K-Tech, KSCST, IISC	14 th & 15 th Oct 2019	Participated	-
45.	Pruthvi Kumar	3 rd	Cyber security	Dept. of ISE,BIET in association with K-Tech, KSCST, IISC	14 th & 15 th Oct 2019	Participated	-

Center of Excellence (COE) in association with Rove Labs



Mechanical and Electrical Power Tool Station



Advanced SMD Soldering rework station



Rapid Electronic Prototyping & Development Components



View of Projects show case

PRODUCTS DEVELOPED UNDER COE



Precision Agriculture Model



Under Water Robot



Automatic Hand Sanitizer



INSYNC, the forum of IS&E organized a **“Tech Talk”** by Mr. Pramodchakravarti Patil, Asst. Vice President, Starmark Software on 27th July 2019 in S G Balekundri Seminar Hall.

One day workshop on **“Linux”** on 23rd August 2019 organized by INSYNC, the forum of IS&E in association with IIT, Bombay.



INSYNC, the forum of IS&E Dept. has inaugurated by Mr. Prashanth A C, Principal Technical Expert, GSL, Bangalore, for the academic year of 2019-20 on 17th Sep 2019.



INSYNC, the forum of IS&E organized a Two day workshop on **“Cyber Security Hands-on Workshop”** by Mr. Vincent D’souza, Founder, Cybersapiens United LLP and team on 14th, 15th Oct 2019.