



Memorandum of Understanding (MOU)

This Memorandum of Understanding (MOU)
Entered Between
KAiSA Computer Education & Technologies
and
BHARATH COLLEGE OF SCIENCE AND MANAGEMENT

KAiSA Computer Education & Technologies

KAiSA Computer education & Technologies 36E, Tholkappiayar sathukkam, Nagai Road. The Managing Director of KAiSA Computer education & Technologies established in 2009. KAiSA Computer education & Technologies is governed by a group of faculty members from reputed IT Companies. The company is located in Thanjavur to refresh and help young minds to succeed in computer related Projects.

And

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT

Bharath College of Science and Management affiliated to Bharathidasan University, Trichirappalli is functioning from the academic year 2000-2001. Bharath College is a self - financing college run by K.Nadimuthu Memorial Educational Trust and approved by the Government of Tamilnadu vide G.O.No.168, Higher Education dt. 30.05.2000. To promote patriotism in the young minds of our students, the college has been rightly named as Bharath College of Science and Management.

Both KAiSA Computer education & Technologies and Bharath College of Science and Management hands in training the students of B.Sc., & M.Sc., (Computer Science) students by providing academic projects, training for placements.

Scope of MOU

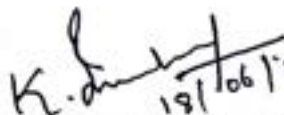
- The purpose of this MOU is to develop academic and educational co-operation between both the Institution.
- This is to promote enhanced knowledge for the students by providing them final year projects.
- To conduct the events like seminar, workshops, conferences etc.

Terms and Agreement :

- The person signing this MOU has the full authority to change or modify this agreement on both Institution.
- The Mou is valid for 2 years from the date of agreement.

Signatories:

Witness hereof, the parties here to have signed this MOU in two original in English on the date(s) herein below indicated.


18/06/2019

**For KAISA Computer Education
& Technologies**

Managing Director
KAISACOMPUTER EDUCATION &
TECHNOLOGIES,
36.E, Tholkappiyar Square,
No 1 Nagai Road, Thanjavur


18/06/2019

**For Bharath College of Science and
Management**

PRINCIPAL
Bharath College of Science and Management
Bharath Avenue (Near New Bus Stand)
THANJAVUR - 613 005.



Bharath College of Science and Management
(UGC Recognized 2(f) & 12(B) Institution)
Affiliated to Bharathidasan University, Tiruchirappalli,
Thanjavur - 613005.

PG Department of Computer Science
In Association with IQAC
Organizes
One Day Seminar on

Machine Learning

PRESIDED OVER BY

Mrs. PUNITHA GANESAN, B.Sc., M.A.,
Secretary,
Bharath Group of Institutions,
Thanjavur-05.

RESOURCE PERSON

Dr. R. SWAMINATHAN,
Assistant Professor,
Department of Computer Science,
AVVM Pushpam College,
Poondi.

FELICITATION

Dr. VEERASAMY,
Principal,
Bharath College of Science
and Management,
Thanjavur-05.

Date : 30.09.2019

Venue : Seminar Hall

Sponsored By Kaisa Education

ALL ARE CORDIALLY INVITED

**BHARATH COLLEGE OF SCIENCE AND
MANAGEMENT**

THANJAVUR-613005, TAMIL NADU

**ONE DAY SEMINAR ON
MACHINE LEARNING**

AGENDA

TIME: 11.30 AM

PRAYER SONG:

BY STUDENTS

WELCOME ADDRESS:

BY STUDENT

FELICITATION:

I. Dr. T. VEERASAMY,

PRINCIPAL, BCSM

PRESIDENTIAL
ADDRESS

Mrs. PUNITHA GANESAN, B.Sc., M.A.,

SECRETARY,

BHARATH GROUP OF

INSTITUTIONS,

THANJAVUR

CHIEF GUEST

INTRODUCTION:

BY STUDENT

KEY NOTE ADDRESS:

Dr. R. SWAMINATHAN,

ASSISTANT PROFESSOR IN CS,

AVVM SRI PUSHPAM

COLLEGE, POONDI

VOTE OF THANKS:

BY STUDENT

NATIONAL ANTHEM:

BY ALL



**BHARATH COLLEGE OF SCIENCE
AND MANAGEMENT**

(UGC Recognized 2(U) & 12(B) Institution)
(Affiliated to Bharathidasan University, Tiruchirappalli)
Thanjavur-613005, Tamil Nadu, India

**ONE DAY SEMINAR ON
MACHINE LEARNING**

30th SEPTEMBER 2019

Organized By

PG DEPARTMENT OF COMPUTER SCIENCE

IN ASSOCIATION WITH IQAC

RESOURCE PERSON

Dr. R. SWAMINATHAN,

ASSISTANT PROFESSOR,

DEPARTMENT OF COMPUTER SCIENCE,

AVVM SRI PUSHPAM COLLEGE, POONDI

SPONSORED BY

KAISA COMPUTER EDUCATION AND

TECHNOLOGIES

ORGANIZING COMMITTEE

CHIEF PATRON

Mrs. PUNITHA GANESAN, B.Sc., M.A.,

Secretary,

Bharath Group of Institutions, Thanjavur.

PATRON

Dr. T. VEERASAMY, M.A., M. Phil., Ph.D.,

Principal,

Bharath College of Science & Management,

Thanjavur - 5

ORGANIZING CHAIR

Prof. R. SUMITHRA, M.C.A., M. Phil.,

Asst. Prof. & Head,

PG Dept of COMPUTER SCIENCE

ORGANIZING COORDINATORS

1. Prof. S. NATARAJAN, M.Sc., M. Phil.,

Assistant Professor (CS)

2. Prof. U. GOMATHI, M.S. (IT), M. Phil.,

Assistant Professor (CS)

3. Prof. R. MURUGESAN, M.Sc., M. Phil.,

Assistant Professor (CS)

4. Prof. R. ARUNKUMAR, M.Sc., M. Phil.,

Assistant Professor (CS)

About the College

Bharath College of Science and Management affiliated to Bharathidasan University, Tiruchirappalli is functioning from the academic year 2000-2001. Bharath College is a self - financing college run by K. Nadimuthu Memorial Educational Trust and sanctioned by the Government of Tamilnadu vide G.O.No.168, Higher Education dt. 30.05.2000.

To promote patriotism in the young minds of our students, the college has been rightly named as Bharath College of Science and Management.

The vision of the college is to provide an idyllic environment of affection and care in the pursuit of knowledge. To contribute the excellence in technical education, scientific and research; to serve as a valuable resource for industry and society and remain a source of pride for inclusive growth of the society.

About the Department

The Department Computer Science, was started in the year 2001. The academic activities of the departments are centered on teaching, seminar, workshops, physical activities., etc. completing a degree in Computer Science, Information Technology & Computer

Applications provides you a sense of accomplishment, career satisfaction and endless possibilities. The department strives to impart knowledge and enlighten the students in terms of all avenues and admit a diverse, talented and promising student body and prepare them for the competitive world and to fight for what they want.

The Department Association "BHARATH PHEONIX ASSOCIATION" to motivate and inculcate our younger generation about the innovation and challenges in computer science, by conducting the seminar, workshop, training program for both UG & PG students.

Mission and Vision

Impart knowledge and enlighten the students in all avenues pertaining to computer science. Provide a firm foothold into the I.T. industries. Inculcate professional excellence logical thinking and analytical ability by giving exposures to application-oriented education. Focus on inculcating ethical value to the students.

About the Seminar

The goal of this seminar on Machine Learning is to create the awareness on the primary purpose of machine learning is to discover patterns in the user data and then make

predictions based on these and intricate patterns for answering business question and solving business problems. Machine learning helps in analyzing the data as well as identifying trends.

Invited participants

- Faculties
- UG & PG Students

Registration

The registration can be done on spot. All Correspondence regarding the seminar can be sent to

Prof. R. SUMITHRA, M.C.A., M.Phil.,
Organizing Chair

Mobile: 9442177963

E-mail: bcsnmsdept@gmail.com

Phone: 04362 - 227937, 228081

www.bharathcollege.edu.in

bharathcollege@gmail.com

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT,

(UGC Recognized 2(f) and 12(B) Institution)

(Affiliated to Bharathidasan university, Tiruchirapalli-24)

PG DEPARTMENT OF COMPUTER SCIENCE

IN ASSOCIATION WITH IQAC

Organizes

ONE DAY SEMINAR ON

MACHINE LEARNING

AGENDA

DATE : 30.09.2019

VENUE: SEMINAR HALL

- *****
- | | | |
|--------------------------|---|---|
| Prayer song | : | By Students |
| Welcome Address | : | Mr. P.Bharathi Seshan, II. M.Sc. (CS),
Bharath College of Science and Management,
Thanjavur. |
| Felicitation | : | Dr. T. Veerasamy,
Principal, Bharath College of Science and Management,
Thanjavur. |
| Presidential Address | : | Mrs. Punitha Ganesan, B.Sc., M.A.,
Secretary, Bharath College of Science and Management,
Thanjavur. |
| Chief Guest Introduction | : | Ms. T. Pandiammal, III. BSc. (CS),
Bharath College of Science and Management,
Thanjavur. |
| Keynote Address | : | Dr.R.Swaminathan,
Assistant Professor in Computer Science,
A.V.V.M Shri Pushpam College, Poondi. |
| Vote of Thanks | : | Mr. M.Zafar Ali, I.M.Sc. (CS),
Bharath College of Science and Management,
Thanjavur. |

NATIONAL ANTHEM

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT

(UGC Recognized 2(f) & 12(B) Institution)

THANJAVUR-5

PG DEPARTMENT OF COMPUTER SCIENCE

ONE DAY SEMINAR ON MACHINE LEARNING

LIST OF PARTICIPANTS

DATE: 30.09.2019

S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
1	CB19S 193606	ADHITHYA. R	Adhithya
2	CB19S 193607	AHAMED NIYAS. A	Niyas
3	CB19S 193608	AMARESHWAR. PS	Amareshwar
4	CB19S 193609	ANANDAN. K	Anandan
5	CB19S 193610	ANTORAGUNATH. P	Antoragunath
6	CB19S 193611	BALAJI.V.R	Balaji
7	CB19S 193612	BHARATH. B. R. S	Bharath
8	CB19S 193613	BOOMINATHAN. R	Boominathan
9	CB19S 193614	BHUVANESH. A	Bhuvanesh
10	CB19S 193615	DEVARAJAN. S	Devarajan
11	CB19S 193616	ELAVARSAN. A	Elavarsan
12	CB19S 193617	ELAVARSAN. K	Elavarsan
13	CB19S 193618	EZHILARASAN. G	Ezhilarasan
14	CB19S 193619	GNANASUNDHARI. R	Gnanasundhari
15	CB19S 193620	GOMATHI. R	Gomathi
16	CB19S 193621	JAYAPRIYAN. J	Jayapriyan



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
17	CB19S 193622	JAGADESH. P	Jagadesh.
18	CB19S 193623	KARTHIK KUMAR. J.M.	T. M. Karthik
19	CB19S 193624	KARTHIK. S	Karthik
20	CB19S 193625	KARTHIKEYAN. K	K. Karthikeyan
21	CB19S 193626	KASI. S	Kasi.
22	CB19S 193627	KATHIRVEL. G	Kathirvel
23	CB19S 193628	KIRUBAKARAN. M	Kirubakaran.
24	CB19S 193629	MADHUBALA. B	B. Madhubala
25	CB19S 193630	MAHESWARAN. K	Maheswaran
26	CB19S 193631	MANIKANDAN. M	Manikandan. M
27	CB19S 193632	MANIKATHAYANITHI. M	Manikathayanithi
28	CB19S 193633	MANOJKUMAR. S	S. Manojkumar
29	CB19S 193634	MOHAMED HAKKIM MOHSIN. M	M. H. Hakim.
30	CB19S 193635	MUKESH KANNAN. M	M. Mukesh
31	CB19S 193636	MUKILAN. P	P. Mukil
32	CB19S 193637	PRABAKAR. L	L. Prabakar
33	CB19S 193638	PRAVEEN KUMAR. R	R. Praveen
34	CB19S 193639	RACHSON. S	Rachson. S.
35	CB19S 193640	RAGUVARAN. R	Raguvaran
36	CB19S 193641	RANJITH. R	Ranjith. R
37	CB19S 193642	ROHIN AMALA RAJ. R	Rojy.



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
38	CB19S 193643	SABARISH. S	Sabarish.
39	CB19S 193644	SANTHOSH. S	S. Santhosh
40	CB19S 193645	SATHISH KUMAR. M	Sathish.
41	CB19S 193646	SHAHUL HAMEED. A	S. Ham.
42	CB19S 193647	SIVA. N	Siva.
43	CB19S 193648	SIVASURIYA. P	Sivasuriya.
44	CB19S 193649	SORNA. P. V	P.V. Sorna
45	CB19S 193650	URUMAIYA. V	Urumaiya.
46	CB19S 193651	VENKATRAJ. B	B. Venkataraj
47	CB19S 193652	VIGNESH. R	R. Vignesh
48	CB19S 193653	VIGNESH. S	Vignesh.
49	CB18S 187996	AAKASH. M	Aakash.
50	CB18S 187997	ABISHEK. S	Abishek.
51	CB18S 187998	ARUNPRASATH. A	Arunprasath.
52	CB18S 187999	BARATH. G	Barath.
53	CB18S 188000	BARATHKISHORE. MJ	Barathkishore.
54	CB18S 188001	CHANDRU. K	Chandru.
55	CB18S 188002	ESWARAN. P	P. Eswaran
56	CB18S 188003	FYROSE AHAMED. M Y	Fyrose
57	CB18S 188004	HAKKIM MOHAMED. A	Hakkim
58	CB18S 188006	HARIHARAN. R	Harihara.



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
59	CB18S 188007	KARTHIKEYAN. N	N. Karthikeyan
60	CB18S 188008	KAVIYA. S	S. Kaviya
61	CB18S 188009	MADHUMITHA. R	Madhumitha
62	CB18S 188010	MUKESH. K	Mukesh
63	CB18S 188011	NANDHA KUMAR. M	Nandha
64	CB18S 188012	NANTHA KUMAR. S	Nantha
65	CB18S 188013	POOJA. S	Pooja
66	CB18S 188014	PRADEEP. R	Pradeep
67	CB18S 188015	PRAVEEN. C	Praveen
68	CB18S 188016	PRAVEENKUMAR. M	Praveen
69	CB18S 188017	PRITHIVIRAJ. R	Prithiviraj
70	CB18S 188018	RAVISH. S	Ravish
71	CB18S 188019	SABEER AHAMED.S	Sabeer
72	CB18S 188020	SANTHOSH. K	Santhosh
73	CB18S 188022	SUJITH. P	Sujith
74	CB18S 188023	VENGATESHAN. S	Vengateshan
75	CB18S 188024	VIGNESH. A	Vignesh
76	CB18S 188025	VISHNU PRAKASH. R	Vishnu Prakash
77	CB17S 182671	ABARNA R	Abarna
78	CB17S 182672	ABI R	Abi
79	CB17S 182673	AJMEER KHAN A	Ajmeer Khan



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
80	CB17S 182674	AKASH S	S. Akash
81	CB17S 182677	BALAJI S	Balaji
82	CB17S 182678	BRINDHA R	Brindhya
83	CB17S 182679	DIVAGAR R	Divagar
84	CB17S 182680	ELANGO VAN V	E. Langovan
85	CB17S 182681	GAYATHRI M	G. Gayathri
86	CB17S 182682	GOKILAN T	G. Gokilan
87	CB17S 182683	GOPINATH R	G. Gopinath
88	CB17S 182685	GRACE ROMALD BRITTO A	A. Britto
89	CB17S 182686	HARISH R	H. Harish
90	CB17S 182687	ITHRISH M	M. Ithrish
91	CB17S 182688	MOHAMED BHARATHI J	J. Bharathi
92	CB17S 182689	MOHAN T	T. Mohan
93	CB17S 182690	NAGARAJUN S	S. Nagarajun
94	CB17S 182691	NITHISKUMAR R	R. Nithiskumar
95	CB17S 182692	PALINIBHARATHI A	A. Palanibharathi
96	CB17S 182693	PANDIAMMAL T	T. Pandiammal
97	CB17S 182694	PRAKASH V	V. Prakash
98	CB17S 182695	PRASANNA V	V. Prasanna
99	CB17S 182696	PREETHI BAI R	R. Preethi
100	CB17S 182697	PRIYANKA K	K. Priyanka



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
101	CB17S 182698	PUGALENDI A	Pugalendi
102	CB17S 182699	RAJESH R	Rajesh
103	CB17S 182700	RETHINA SAMY V	Rethina
104	CB17S 182701	RUTHRALINGAM P	Ruthralingam
105	CB17S 182702	SAKTHIVEL K	Sakthivel
106	CB17S 182703	SANTHIYA K	Santhiya K
107	CB17S 182704	SATHOSH KUMAR P	Sathosh
108	CB17S 182705	SATHISH KUMAR S	S. Sathish
109	CB17S 182706	SATHISRAJ A	Sathisraj
110	CB17S 182707	SATHIYANARAYANAN V	Narayana
111	CB17S 182708	SENTHIL KUMAR K	Kumar
112	CB17S 182709	SIVAKUMAR G	Sivakumar
113	CB17S 182711	SUREKA R	Sureka
114	CB17S 182712	SYED MOHAMED S	Syed
115	CB17S 182713	TAJMAL BEGUM K	Tajamal
116	CB17S 182716	VAIRAVAN S T	Vairavan
117	CB17S 182717	VEERAIYAN C	Veeraiyan
118	CB17S 182718	VIJAY A	Vijay
119	CB17S 182719	ARTHI.M	Arthi
120	P 19272901	AJAY. S	Ajay
121	P 19272902	AJITH KUMAR. R	Ajith



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
122	P 19272903	ANIS FATHIMA. K	Anis Fathima
123	P 19272904	BHARANIDHARAN. C. G	Bharanidharan
124	P 19272906	GNANASEKAR. M	Gnanasekar
125	P 19272907	GUNASEKAR. K	Gunasekar
126	P 19272908	JAYA SUTHAN. S	Jaya Suthan
127	P 19272909	JAYASURYA. I	Jayasurya
128	P 19272910	KARTHIKEYAN. K	Karthikeyan
129	P 19272911	MALAYARASAN. G	Malayarasan
130	P 19272912	MANIKANDAN. B	Manikandan
131	P 19272913	MUKESHKUMAR. S	Mukesh
132	P 19272914	MUTHURAMAN. R	Muthuraman
133	P 19272915	REVATHI. R	Revathi
134	P 19272916	SIVANANDAM. P	Sivanandam
135	P 19272917	SUBASH. K	Subash
136	P 19272918	SUDARSON. S. P	Sudarson
137	P 19272919	VAIRAPPAN. R	Vairappan
138	P 19272920	VEERAMANI. G	Veeramani
139	P 19272921	VIVEK. K	Vivek
140	P 19272922	ZAFFAR ALI. M	Zaffar ali
141	P 18270986	ARUNKUMAR. A	Arunkumar
142	P 18270987	BALAMURUGAN. S	Balamurugan



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
143	P 18270988	BHARATHI SESHAN. P	Bharathi.
144	P 18270989	GURUBHARATHI. S	Guruba.
145	P 18270990	HARI VINOTH. S	Niruph.
146	P 18270991	HARI HARAN. S	Hari hara.
147	P 18270992	RAJESH. S	Rajesh.
148	P 18270993	SUBBU RAJ. M	Subbu.



[Handwritten Signature]

PRINCIPAL

Bharath College of Science and Management
Bharath Avenue (Near New Bus Stand)
THANJAVUR - 613 005.

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT,

THANJAVUR – 5

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(Affiliated to Bharathidasan University, Tiruchirappalli – 24)

PG DEPARTMENT OF COMPUTER SCIENCE

REPORT



PG Department of Computer Science in Association IQAC organized one day seminar on **“Machine Learning”** sponsored by Kaisa Computer Education and Technologies, Thanjavur on 30th September 2019 at seminar hall. Totally 140 students and staff have participated and get benefitted. Dr. R. Swaminathan, Assistant Professor, Department of Computer Science, AVVM Sri Pushpam College, Poondi has invited as the resource person. The program was presided over by Mrs. Punitha Ganesan, B.Sc., M.A., Secretary, Bharath Group of Institutions. The program started with prayer song. Then welcome address was delivered by the student Mr. P. Bharathi Seshan, from II M.Sc. (CS). Dr. T. Veerasamy, Principal, Bharath College of Science and Management, Thanjavur, felicitated the program. Ms. T. Pandiammal from II B.Sc. (CS) has presented her chief guest introduction. The session starts with introduction of machine learning. The discussion provides much more information to the participants on machine learning with basics and advance perspective. The resource person discussed about the opportunities and challenges in the area of artificial intelligence in future. And also elaborated about the real-world implementation of AI and explore how they have changed our lives. Mr. M. Zafar Ali from I M.Sc. (CS) delivered his vote of thanks. The program has concluded with National Anthem.




PRINCIPAL

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THANJAVUR - 613 005.



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Affiliated to Bharathidasan University, Tiruchirappalli,
Thanjavur-613005.

PG DEPARTMENT OF COMPUTER SCIENCE

In Association with IQAC

Organizes

ONE DAY WORKSHOP ON

BIG DATA ANALYTICS

PRESIDED OVER BY

Mrs. PUNITHA GANESAN, B.Sc., M.A.,

Secretary,
Bharath Group of Institutions,
Thanjavur-05.

FELICITATION

Dr. T. VEERASAMY,

Principal,
Bharath College of Science and
Management, Thanjavur-05.

RESOURCE PERSON

Dr. K. VENKATASAN,

Assitant Professor in CSE,
Bharathiyar College of Eng & Tech,
Karaikal.

Date : 28.08.2019

Venue : Seminar Hall

Sponsored by

Kaisa Computer Education and Technologies

ALL ARE CORDIALLY INVITED

**BHARATH COLLEGE OF SCIENCE AND
MANAGEMENT**

THANJAVUR-613005, TAMIL NADU

**ONE DAY WORKSHOP ON
BIG DATA ANALYTICS**

AGENDA

TIME: 11.30 AM

PRAYER SONG:

BY STUDENTS

WELCOME ADDRESS:

BY STUDENT

FELICITATION:

**Dr. T. VEERASAMY,
PRINCIPAL, BCSM**

**PRESIDENTIAL
ADDRESS:**

**Mrs. PUNITHA GANESAN,
SECRETARY,
BHARATH GROUP OF
INSTITUTIONS,
THANJAVUR**

**CHIEF GUEST
INTRODUCTION:**

BY STUDENT

KEY NOTE ADDRESS:

**Dr. K. VENKATESAN,
ASSISTANT PROFESSOR IN
CSE,**

**BHARATHIYAR COLLEGE OF
ENG & TECH., KARAİKAL.**

VOTE OF THANKS:

BY STUDENT

NATIONAL ANTHEM:

BY ALL

ORGANIZING COMMITTEE

CHIEF PATRON

Mrs. PUNITHA GANESAN, B.Sc., M.A.,
Secretary,
Bharath Group of Institutions, Thanjavur.

PATRON

Dr. T. VEERASAMY, M.A., M. Phil., Ph.D.,
Principal, Bharath College of Science & Management,
Thanjavur -5

ORGANIZING CHAIR

Prof. R. SUMITHRA, M.C.A., M. Phil.,
Asst. Prof. & Head,
PG Dept of COMPUTER SCIENCE

ORGANIZING COORDINATORS

- 1. Prof. R. MURUGESAN, M.Sc., M. Phil.,**
Assistant Professor (CS)
- 2. Prof. S. NATARAJAN, M.Sc., M. Phil.,**
Assistant Professor (CS)
- 3. Prof. U. GOMATHI, M.S(IT), M. Phil.,**
Assistant Professor (CS)
- 4. Prof. R. ARUNKUMAR, M.Sc., M. Phil.,**
Assistant Professor (CS)



**BHARATH COLLEGE OF SCIENCE
AND MANAGEMENT**

(UGC Recognized 2(f) & 12(B) Institution)
(Affiliated to Bharathidasan University, Tiruchirappalli)
Thanjavur-613005, Tamil Nadu, India

**ONE DAY WORKSHOP ON
BIG DATA ANALYTICS**

28th AUGUST 2019

Organized By

PG DEPARTMENT OF COMPUTER SCIENCE

IN ASSOCIATION WITH IQAC

RESOURCE PERSON

Dr. K. VENKATESAN,

ASSISTANT PROFESSOR IN CSE,

BHARATHIYAR COLLEGE OF ENG. & TECH.,

KARAİKAL.

SPONSORED BY

**KAISA COMPUTER EDUCATION AND
TECHNOLOGIES**

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Information Technology & Computer Applications provides you a sense of accomplishment, career satisfaction and endless possibilities. The department strives to impart knowledge and enlighten the students in terms of all avenues and admit a diverse, talented and promising student body and prepare them for the competitive world and to fight for what they want.

The Department Association "**BHARATH PHEONIX ASSOCIATION**" to motivate and inculcate our younger generation about the innovation and challenges in computer science, by conducting the seminar, workshop, training program for both UG & PG students.

Mission and Vision

Impart knowledge and enlighten the students in all avenues pertaining to computer science. Provide a firm foothold into the I.T. industries. Inculcate professional excellence logical thinking and analytical ability by giving exposures to application-oriented education. Focus on inculcating ethical value to the students.

About the Workshop

This workshop focuses on Big Data Analytics which describes the process of uncovering trends, patterns, and correlations in

large amount of raw data to help make data-informed decisions. These processes use familiar statistical analysis techniques-like clustering and regression-and apply them to mine extensive datasets with the help of newer tools.

Invited participants

- Faculties
- UG & PG Students

Registration

The registration can be done on spot. All Correspondence regarding the seminar can be sent to

Prof. R. SUMITHRA, MCA., M. Phil.,
Organizing Chair

Mobile: 9442177963

E-mail: bcsmcsdept@gmail.com

Phone: 04362 - 227937, 228081

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BHARATH COLLEGE OF SCIENCE AND MANAGEMENT,

(UGC Recognized 2(f) and 12(B) Institution)

(Affiliated to Bharathidasan university, Tiruchirapalli-24)

PG DEPARTMENT OF COMPUTER SCIENCE

IN ASSOCIATION WITH IQAC

Organizes

ONE DAY WORKSHOP ON

BIG DATA ANALYTICS

AGENDA

DATE : 28.08.2019

VENUE: SEMINAR HALL

- Prayer song : By Students
- Welcome Address : Mr. P. Bharathi Seshan, II. M.Sc. (CS),
Bharath College of Science and Management,
Thanjavur.
- Felicitation : Dr. T. Veerasamy,
Principal, Bharath College of Science and Management,
Thanjavur.
- Presidential Address : Mrs. Punitha Ganesan, B.Sc., M.A.,
Secretary, Bharath College of Science and Management,
Thanjavur.
- Chief Guest Introduction : Ms. T. Pandiammal, III. B.Sc. (CS),
Bharath College of Science and Management,
Thanjavur.
- Keynote Address : Dr. K. Venkatasan,
Assistant Professor in CSE,
Bharathiyar College of Eng & Tech,
Karaikal.
- Vote of Thanks : Mr. M.Zafar Ali, LM.Sc. (CS),
Bharath College of Science and Management,
Thanjavur.

NATIONAL ANTHEM

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT

(UGC Recognized 2(f) & 12(B) Institution)

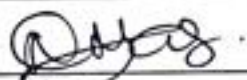
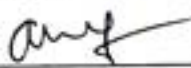
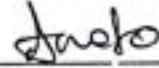
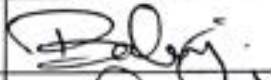
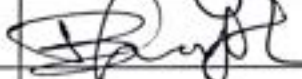
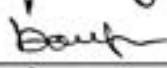
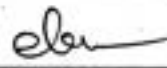
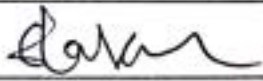
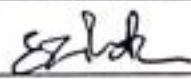
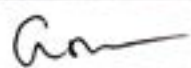
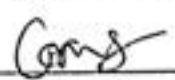
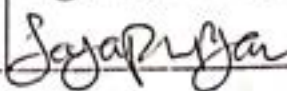
THANJAVUR-5

PG DEPARTMENT OF COMPUTER SCIENCE

ONE DAY WORKSHOP ON BIG DATA ANALYTICS

LIST OF PARTICIPANTS

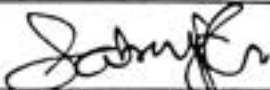
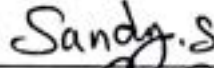
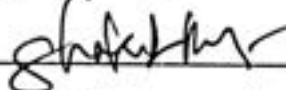
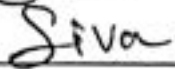
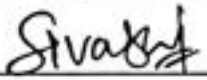
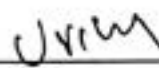
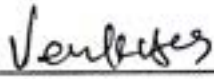
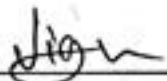
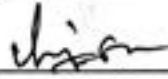
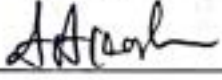
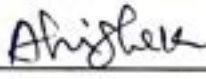
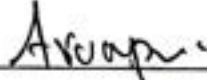
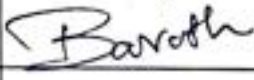
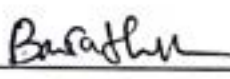
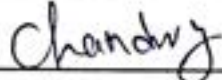
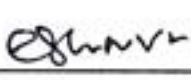
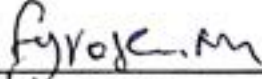
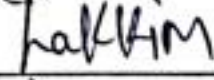
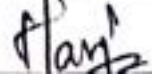
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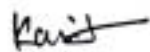
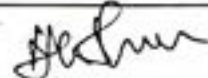
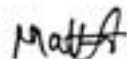
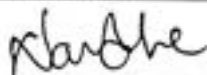
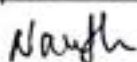
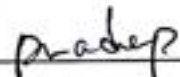
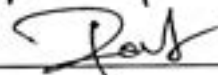
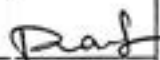
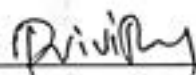
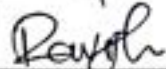
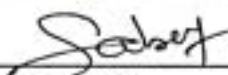
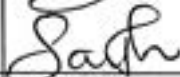
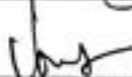
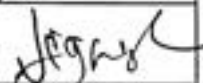
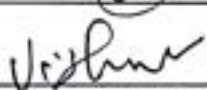
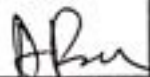
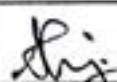
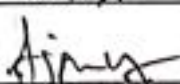
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2	CB19S 193607	AHAMED NIYAS. A	
3	CB19S 193608	AMARESHWAR. PS	
4	CB19S 193609	ANANDAN. K	
5	CB19S 193610	ANTORAGUNATH. P	
6	CB19S 193611	BALAJI.V.R	
7	CB19S 193612	BHARATH. B. R. S	
8	CB19S 193613	BOOMINATHAN. R	
9	CB19S 193614	BHUVANESH. A	
10	CB19S 193615	DEVARAJAN. S	
11	CB19S 193616	ELAVARSAN. A	
12	CB19S 193617	ELAVARSAN. K	
13	CB19S 193618	EZHILARASAN. G	
14	CB19S 193619	GNANASUNDHARI. R	
15	CB19S 193620	GOMATHI. R	
16	CB19S 193621	JAYAPRIYAN. J	



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17	CB19S 193622	JAGADESH. P	Jagadeh
18	CB19S 193623	KARTHIK KUMAR. J.M.	Karthik
19	CB19S 193624	KARTHIK. S	Karthik
20	CB19S 193625	KARTHIKEYAN. K	Karthik
21	CB19S 193626	KASI. S	Kasi
22	CB19S 193627	KATHIRVEL. G	Kathir
23	CB19S 193628	KIRUBAKARAN. M	Kiruba
24	CB19S 193629	MADHUBALA. B	Madhubala
25	CB19S 193630	MAHESWARAN. K	Mahe
26	CB19S 193631	MANIKANDAN. M	Mani
27	CB19S 193632	MANIKATHAYANITHI. M	Manikathay
28	CB19S 193633	MANOJKUMAR. S	Manoj
29	CB19S 193634	MOHAMED HAKKIM MOHSIN. M	Mohamed
30	CB19S 193635	MUKESH KANNAN. M	Mukesh
31	CB19S 193636	MUKILAN. P	Mukilan
32	CB19S 193637	PRABAKAR. L	Praba
33	CB19S 193638	PRAVEEN KUMAR. R	Praveen
34	CB19S 193639	RACHSON. S	Rachson
35	CB19S 193640	RAGUVARAN. R	Ragu
36	CB19S 193641	RANJITH. R.	Ranjith
37	CB19S 193642	ROHIN AMALA RAJ. R	Rohin



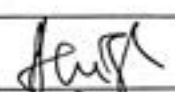
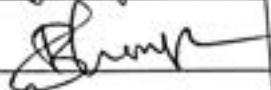
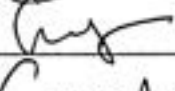
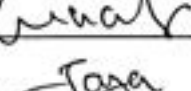
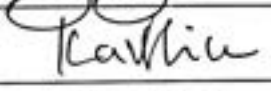
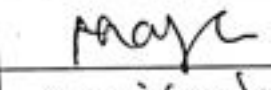
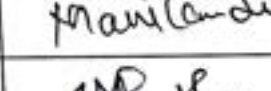
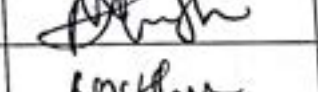
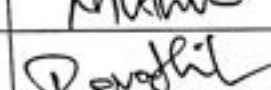
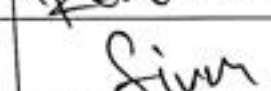
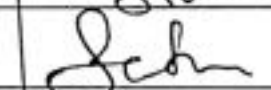
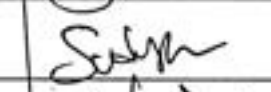
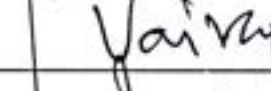
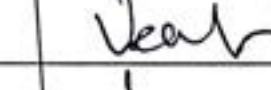
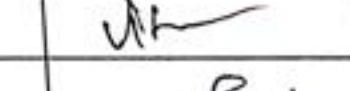
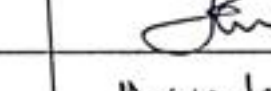
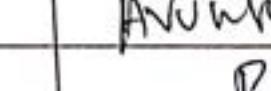
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39	CB19S 193644	SANTHOSH. S	
40	CB19S 193645	SATHISH KUMAR. M	
41	CB19S 193646	SHAHUL HAMEED. A	
42	CB19S 193647	SIVA. N	
43	CB19S 193648	SIVASURIYA. P	
44	CB19S 193649	SORNA. P. V	
45	CB19S 193650	URUMAIYA. V	
46	CB19S 193651	VENKATRAJ. B	
47	CB19S 193652	VIGNESH. R	
48	CB19S 193653	VIGNESH. S	
49	CB18S 187996	AAKASH. M	
50	CB18S 187997	ABISHEK. S	
51	CB18S 187998	ARUNPRASATH. A	
52	CB18S 187999	BARATH. G	
53	CB18S 188000	BARATHKISHORE. M.J	
54	CB18S 188001	CHANDRU. K	
55	CB18S 188002	ESWARAN. P	
56	CB18S 188003	FYROSE AHAMED. M Y	
57	CB18S 188004	HAKKIM MOHAMED. A	
58	CB18S 188006	HARIHARAN. R	

S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
59	CB18S 188007	KARTHIKEYAN. N	
60	CB18S 188008	KAVIYA. S	
61	CB18S 188009	MADHUMITHA. R	
62	CB18S 188010	MUKESH. K	
63	CB18S 188011	NANDHA KUMAR. M	
64	CB18S 188012	NANTHA KUMAR. S	
65	CB18S 188013	POOJA. S	
66	CB18S 188014	PRADEEP. R	
67	CB18S 188015	PRAVEEN. C	
68	CB18S 188016	PRAVEENKUMAR. M	
69	CB18S 188017	PRITHIVIRAJ. R	
70	CB18S 188018	RAVISH. S	
71	CB18S 188019	SABEER AHAMED.S	
72	CB18S 188020	SANTHOSH. K	
73	CB18S 188022	SUJITH. P	
74	CB18S 188023	VENGATESHAN. S	
75	CB18S 188024	VIGNESH. A	
76	CB18S 188025	VISHNU PRAKASH. R	
77	CB17S 182671	ABARNA R	
78	CB17S 182672	ABI R	
79	CB17S 182673	AJMEER KHAN A	



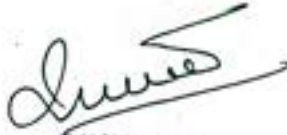
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81	CB17S 182677	BALAJI S	Balaji
82	CB17S 182678	BRINDHA R	Brindha
83	CB17S 182679	DIVAGAR R	Divagar
84	CB17S 182680	ELANGO VAN V	Elango
85	CB17S 182681	GAYATHRI M	Gayathri
86	CB17S 182682	GOKILAN T	Gokilan
87	CB17S 182683	GOPINATH R	Gopinath
88	CB17S 182685	GRACE ROMALD BRITTO A	Grace
89	CB17S 182686	HARISH R	Harish
90	CB17S 182687	ITHRISH M	Ithrish
91	CB17S 182688	MOHAMED BHARATHI J	Mohamed
92	CB17S 182689	MOHAN T	Mohan
93	CB17S 182690	NAGARAJUN S	Nagarajun
94	CB17S 182691	NITHISKUMAR R	Nithiskumar
95	CB17S 182692	PALINIBHARATHI A	Palinibharathi
96	CB17S 182693	PANDIAMMAL T	Pandiammal
97	CB17S 182694	PRAKASH V	Prakash
98	CB17S 182695	PRASANNA V	Prasanna
99	CB17S 182696	PREETHI BAI R	Preethi Bai
100	CB17S 182697	PRIYANKA K	Priyanka

S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
101	CB17S 182698	PUGALENDI A	Pugalendi
102	CB17S 182699	RAJESH R	Rajesh
103	CB17S 182700	RETHINA SAMY V	Rethina
104	CB17S 182701	RUTHRALINGAM P	Ruthralingam
105	CB17S 182702	SAKTHIVEL K	Sakthivel
106	CB17S 182703	SANTHIYA K	Santhiya
107	CB17S 182704	SATHOSH KUMAR P	Sathosh
108	CB17S 182705	SATHISH KUMAR S	Sathish
109	CB17S 182706	SATHISRAJ A	Sathisraj
110	CB17S 182707	SATHIYANARAYANAN V	Sathiyarayan
111	CB17S 182708	SENTHIL KUMAR K	Senthil
112	CB17S 182709	SIVAKUMAR G	Sivakumar
113	CB17S 182711	SUREKA R	Sureka
114	CB17S 182712	SYED MOHAMED S	Syed Mohamed
115	CB17S 182713	TAJMAL BEGUM K	Tajmal
116	CB17S 182716	VAIRAVAN S T	Vairavan
117	CB17S 182717	VEERAIYAN C	Veeraiyan
118	CB17S 182718	VIJAY A	Vijay
119	CB17S 182719	ARTHI.M	Arthi
120	P 19272901	AJAY. S	Ajay
121	P 19272902	AJITH KUMAR. R	Ajith

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125	P 19272907	GUNASEKAR. K	
126	P 19272908	JAYA SUTHAN. S	
127	P 19272909	JAYASURYA. I	
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130	P 19272912	MANIKANDAN. B	
131	P 19272913	MUKESHKUMAR. S	
132	P 19272914	MUTHURAMAN. R	
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134	P 19272916	SIVANANDAM. P	
135	P 19272917	SUBASH. K	
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137	P 19272919	VAIRAPPAN. R	
138	P 19272920	VEERAMANI. G	
139	P 19272921	VIVEK. K	
140	P 19272922	ZAFFAR ALI. M	
141	P 18270986	ARUNKUMAR. A	
142	P 18270987	BALAMURUGAN. S	

S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
143	P 18270988	BHARATHI SESHAN. P	Bhara
144	P 18270989	GURUBHARATHI. S	Gurub
145	P 18270990	HARI VINOTH. S	Hari
146	P 18270991	HARI HARAN. S	Hari
147	P 18270992	RAJESH. S	Rajesh
148	P 18270993	SUBBU RAJ. M	Subbu Raj




 PRINCIPAL
 Bharath College of Science and Management
 Bharath Avenue (Near New Bus Stand)
 THANJAVUR - 613 005.

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT,
THANJAVUR - 5
(UGC Recognized 2(f) & 12(B) Institution)
(Affiliated to Bharathidasan University, Tiruchirappalli - 24)
PG DEPARTMENT OF COMPUTER SCIENCE
REPORT



PG Department of Computer Science in Association IQAC organized one day workshop on "Big Data Analytics" sponsored by Yoga IT Solutions, Thanjavur on 28th August 2019 at seminar hall. Totally 148 students and staff have participated and get benefitted. Dr. K. Venkatesan, Asst. Prof. in CSE Bharathiyar College of Eng. & Tech., has invited as the resource person. The program was presided over by Mrs. Punitha Ganesan, B.Sc., M.A., Secretary, Bharath Group of Institutions. The program started with prayer song. Then welcome address was delivered by the student Mr. P. Bharathi Seshan, from II M.Sc. (CS). Dr. T. Veerasamy, Principal, Bharath College of Science and Management, Thanjavur, felicitated the program. Ms. T. Pandiammal from II B.Sc. (CS) has presented her chief guest introduction. The resource person introduces about the data warehousing and big data analytics. He elaborates HADOOP, the principal framework used for big data analytics, and explained in detail the techniques like HDFF and map reduce. Mr. M. Zafar Ali from I M.Sc. (CS) delivered his vote of thanks. The program has concluded with National Anthem.




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Bharath College of Science and Management
Bharath Avenue (Near New Bus Stand)
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BHARATH COLLEGE OF SCIENCE AND MANAGEMENT

Thanjavur-5

UGC Recognized by 2(f) & 12 (B) Institution,
Affiliated to Bharathidasan University, Tiruchy

PG Department of Computer Science

In Association with IQAC

Organizes

One Day Seminar on Recent Trends in Computer Science & Mathematics

Dr. R. Ravindran,
Asst. Prof in CS,
St. Joseph College (Aut),
Tiruchy

RESOURCE PERSONS

Dr. A. Venkatesh,
Asst. Prof in Maths,
AVVM Sri Pushpam College,
Poondi, Thanjavur

PRESIDED OVER BY

Mrs. PUNITHA GANESAN, B.Sc., M.A.,
Secretary,
Bharath Group of Institutions,
Thanjavur-05.

FELICITATION

Dr. T. VEERASAMY,
Director,
Bharath College of Science and
Management, Thanjavur-05.

Dr. K. KUMAR, M.Com., M.Phil., M.B.A., NET, Ph.D.,
Principal,
Bharath College of Science and
Management, Thanjavur-05.

Date : 19/02/2020

Venue : Seminar Hall

ALL ARE CORDIALLY INVITED

**BHARATH COLLEGE OF SCIENCE AND
MANAGEMENT**

THANJAVUR-613005, TAMIL NADU

ONE DAY SEMINAR ON

RECENT TRENDS IN COMPUTER SCIENCE AND MATHEMATICS

AGENDA

TIME: 11.30 AM

PRAYER SONG:

BY STUDENTS

WELCOME ADDRESS:

BY STUDENT

FELICITATION:

**1. Dr. T. VEERASAMY,
DIRECTOR, BCSM
2. Dr. K. KUMAR,
PRINCIPAL, BCSM**

**PRESIDENTIAL
ADDRESS:**

**Mrs. PUNITHA GANESAN, M.A.,
SECRETARY,
BHARATH GROUP OF
INSTITUTIONS,
THANJAVUR**

CHIEF GUEST

INTRODUCTION:

BY STUDENT

KEY NOTE ADDRESS:

**1. Dr. R. RAVINDRAN,
ASSISTANT PROFESSOR IN CS,
ST. JOSEPH COLLEGE (AUT),
TRICHY
2. Dr. K. VENKATESH,
ASSISTANT PROFESSOR IN CS,
ASSISTANT PROFESSOR IN MATHS,
AVVM SRI PUSHPAM COLLEGE,
POONDIL**

VOTE OF THANKS:

BY STUDENT

NATIONAL ANTHEM:

BY ALL

ORGANIZING COMMITTEE

CHIEF PATRON

Mrs. PUNITHA GANESAN, B.Sc., M.A.,
Secretary,
Bharath Group of Institutions, Thanjavur.

PATRON

Dr. T. VEERASAMY, M.A., M. Phil., Ph.D.,
Director, Bharath College of Science & Management,
Thanjavur -5

Dr. K. KUMAR, M.Com., M.Phil., M.B.A., NET., Ph.D.,
Principal, Bharath College of Science & Management,
Thanjavur -5

ORGANIZING CHAIR

Prof. R. SUMITHRA, M.C.A., M. Phil.,
Asst. Prof. & Head,
PG Dept of COMPUTER SCIENCE

ORGANIZING COORDINATORS

- 1. Prof. S. NATARAJAN, M.Sc., M. Phil.,**
Assistant Professor (CS)
- 2. Prof. U. GOMATHI, M.S. (IT), M. Phil.,**
Assistant Professor (CS)
- 3. Prof. R. MURUGESAN, M.Sc., M. Phil.,**
Assistant Professor (CS)
- 4. Prof. R. ARUNKUMAR, M.Sc., M. Phil.,**
Assistant Professor (CS)



**BHARATH COLLEGE OF SCIENCE
AND MANAGEMENT**

(UGC Recognized 2(f) & 12(B) Institution)
(Affiliated to Bharathidasan University, Tiruchirappalli)
Thanjavur-613005, Tamil Nadu, India

**ONE DAY SEMINAR ON
RECENT TRENDS IN COMPUTERS SCIENCE
AND MATHEMATICS**

19th FEBRUARY 2020

Organized By

**PG DEPARTMENT OF COMPUTER SCIENCE
IN ASSOCIATION WITH IQAC**

RESOURCE PERSON

- 1. Dr. R. RAVINDRAN,**
ASSISTANT PROFESSOR IN CS,
ST. JOSEPH COLLEGE (AUT), TRICHY
- 2. Dr. A. VENKATESH,**
ASSISTANT PROFESSOR IN MATHS,
AVVM SRI PUSHPAM COLLEGE, POONDIL

SPONSORED BY

**KAISA COMPUTER EDUCATION AND
TECHNOLOGIES**

About the College

Bharath College of Science and Management affiliated to Bharathidasan University, Tiruchirappalli is functioning from the academic year 2000-2001. Bharath College is a self - financing college run by K. Nadimuthu Memorial Educational Trust and sanctioned by the Government of Tamilnadu vide G.O.No.168, Higher Education dt. 30.05.2000.

To promote patriotism in the young minds of our students, the college has been rightly named as Bharath College of Science and Management.

The vision of the college is to provide an idyllic environment of affection and care in the pursuit of knowledge. To contribute the excellence in technical education, scientific and research; to serve as a valuable resource for industry and society and remain a source of pride for inclusive growth of the society.

About the Department

The Department Computer Science, was started in the year 2001. The academic activities of the departments are centered on teaching, seminar, workshops, physical activities, etc. completing a degree in Computer Science,

Information Technology & Computer Applications provides you a sense of accomplishment, career satisfaction and endless possibilities. The department strives to impart knowledge and enlighten the students in terms of all avenues and admit a diverse, talented and promising student body and prepare them for the competitive world and to fight for what they want.

The Department Association "**BHARATH PHEONIX ASSOCIATION**" to motivate and inculcate our younger generation about the innovation and challenges in computer science, by conducting the seminar, workshop, training program for both UG & PG students.

Mission and Vision

Impart knowledge and enlighten the students in all avenues pertaining to computer science. Provide a firm foothold into the I.T. industries. Inculcate professional excellence logical thinking and analytical ability by giving exposures to application-oriented education. Focus on inculcating ethical value to the students.

About the Seminar

This seminar focused on developing problem solving skills like thinking logically, computationally, and creatively to solve

problems. Identify and analyze a problem, design a solution algorithm as a systemic way of processing the necessary information to produce the required output, and implement the solution as a computer program.

Invited participants

- Faculties
- UG & PG Students

Registration

The registration can be done on spot. All Correspondence regarding the seminar can be sent to

Prof. R. SUMITHRA, M.C.A., M. Phil,
Organizing Chair

Mobile: 9442177963

E-mail: bcsmcsdept@gmail.com

Phone: 04362 - 227937, 228081

www.bharathcollege.edu.in

bharathcollege@gmail.com

BHARATHCOLLEGE OF SCIENCE AND MANAGEMENT,

(UGC Recognized 2(f) and 12(B) Institution)

(Affiliated to Bharathidasan university, Tiruchirapalli-24)

PG DEPARTMENT OF COMPUTER SCIENCE

IN ASSOCIATION WITH IQAC

Organizes

ONE DAY SEMINAR ON

RECENT TRENDS IN COMPUTER SCIENCE & MATHEMATICS

AGENDA

DATE : 19.02.2020

VENUE: SEMINAR HALL

- Prayer song** : **By Students**
- Welcome Address** : **Mr. P. Bharathi Seshan, II.MSc.(CS),**
Bharath College of Science and Management, Thanjavur.
- Felicitation** : **Dr. T. Veerasamy,**
Director, Bharath College of Science and Management,
Thanjavur.
- : **Dr.K.Kumar, M.Com., MBA., M.Phil., Ph.D.,**
Principal, Bharath College of Science and Management,
Thanjavur.
- Presidential Address** : **Mrs. Punitha Ganesan. B.Sc., M.A.,**
Secretary, Bharath College of Science and Management,
Thanjavur.
- Chief Guest Introduction** : **Ms. T. Pandiammal, III B.Sc. (CS),**
Bharath College of Science and Management, Thanjavur.
- Keynote Address** : **Dr.T.Venkatesh,**
Assistant Professor in Maths,
A.V.V.M Sri Pushpam College, Poondi.
- : **Dr. R. Ravindran,**
Assistant Professor in Computer Science,
St. Joseph College (A), Tiruchy.
- Vote of Thanks** : **Mr. M.Zafar Ali, IM.Sc. CS,**
Bharath College of Science and Management, Thanjavur.
- NATIONAL ANTHEM**

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT

(UGC Recognized 2(f) & 12(B) Institution)

THANJAVUR-5

PG DEPARTMENT OF COMPUTER SCIENCE

ONE DAY SEMINAR ON RECENT TRENDS IN COMPUTER SCIENCE AND MATHEMATICS

LIST OF PARTICIPANTS

DATE: 19.02.2020

S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
1	CB19S 193606	ADHITHYA. R	Adhithya R
2	CB19S 193607	AHAMED NIYAS. A	Ahamed Niyas A
3	CB19S 193608	AMARESHWAR. PS	Amareshwar PS
4	CB19S 193609	ANANDAN. K	Anandan K
5	CB19S 193610	ANTORAGUNATH. P	Antoragunath P
6	CB19S 193611	BALAJI.V.R	V.R. Balaji
7	CB19S 193612	BHARATH. B. R. S	Bharath B.R.S
8	CB19S 193613	BOOMINATHAN. R	Boominathan R
9	CB19S 193614	BHUVANESH. A	Bhuvanesh A
10	CB19S 193615	DEVARAJAN. S	Devarajan S
11	CB19S 193616	ELAVARSAN. A	Elavarsan A
12	CB19S 193617	ELAVARSAN. K	Elavarsan K
13	CB19S 193618	EZHILARASAN. G	Ezhilarasan G
14	CB19S 193619	GNANASUNDHARI. R	Gnanasundhari R
15	CB19S 193620	GOMATHI. R	R. Gomathi
16	CB19S 193621	JAYAPRIYAN. J	Jayapriyan J



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
17	CB19S 193622	JAGADESH. P	Jagade
18	CB19S 193623	KARTHIK KUMAR. J.M.	Karthik
19	CB19S 193624	KARTHIK. S	Karthik
20	CB19S 193625	KARTHIKEYAN. K	Karthikeyan
21	CB19S 193626	KASI. S	Kasi
22	CB19S 193627	KATHIRVEL. G	Kathirvel
23	CB19S 193628	KIRUBAKARAN. M	Kirubakaran
24	CB19S 193629	MADHUBALA. B	Madhubala
25	CB19S 193630	MAHESWARAN. K	Maheswaran
26	CB19S 193631	MANIKANDAN. M	Manikandan
27	CB19S 193632	MANIKATHAYANITHI. M	Manikathayanithi
28	CB19S 193633	MANOJKUMAR. S	Manojkumar
29	CB19S 193634	MOHAMED HAKKIM MOHSIN. M	Mohamed
30	CB19S 193635	MUKESH KANNAN. M	Mukesh
31	CB19S 193636	MUKILAN. P	Mukilan
32	CB19S 193637	PRABAKAR. L	Prabakar
33	CB19S 193638	PRAVEEN KUMAR. R	Praveen
34	CB19S 193639	RACHSON. S	Rachson
35	CB19S 193640	RAGUVARAN. R	Raguvaran
36	CB19S 193641	RANJITH. R	Ranjith
37	CB19S 193642	ROHIN AMALA RAJ. R	Rohin



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
38	CB19S 193643	SABARISH. S	Sabarish
39	CB19S 193644	SANTHOSH. S	Santhosh
40	CB19S 193645	SATHISH KUMAR. M	Sathish
41	CB19S 193646	SHAHUL HAMEED. A	Shahul
42	CB19S 193647	SIVA. N	Siva .N
43	CB19S 193648	SIVASURIYA. P	Sivasuriya
44	CB19S 193649	SORNA. P. V	Sorna
45	CB19S 193650	URUMAIYA. V	Urumaiya
46	CB19S 193651	VENKATRAJ. B	Venkatraj
47	CB19S 193652	VIGNESH. R	Vignesh
48	CB19S 193653	VIGNESH. S	Vignesh
49	CB18S 187996	AAKASH. M	Aakash
50	CB18S 187997	ABISHEK. S	Abhishek
51	CB18S 187998	ARUNPRASATH. A	Arunprasad
52	CB18S 187999	BARATH. G	Barath
53	CB18S 188000	BARATHKISHORE. M.J	Barathkishore
54	CB18S 188001	CHANDRU. K	Chandru
55	CB18S 188002	ESWARAN. P	Eswaran
56	CB18S 188003	FYROSE AHAMED. M Y	Fyrose
57	CB18S 188004	HAKKIM MOHAMED. A	Hakim
58	CB18S 188006	HARIHARAN. R	Hariharan

S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
59	CB18S 188007	KARTHIKEYAN. N	Karthi
60	CB18S 188008	KAVIYA. S	Kaviya
61	CB18S 188009	MADHUMITHA. R	Madhumitha
62	CB18S 188010	MUKESH. K	Mukesh
63	CB18S 188011	NANDHA KUMAR. M	Nandha
64	CB18S 188012	NANTHA KUMAR. S	Nantha
65	CB18S 188013	POOJA. S	Pooja
66	CB18S 188014	PRADEEP. R	Pradeep
67	CB18S 188015	PRAVEEN. C	Praveen
68	CB18S 188016	PRAVEENKUMAR. M	Praveen
69	CB18S 188017	PRITHIVIRAJ. R	Prithiviraj
70	CB18S 188018	RAVISH. S	Ravish
71	CB18S 188019	SABEER AHAMED.S	Sabeer
72	CB18S 188020	SANTHOSH. K	Santhosh
73	CB18S 188022	SUJITH. P	Sujith
74	CB18S 188023	VENGATESHAN. S	Vengatesh
75	CB18S 188024	VIGNESH. A	Vignesh
76	CB18S 188025	VISHNU PRAKASH. R	Vishnu
77	CB17S 182671	ABARNA R	AB -
78	CB17S 182672	ABI R	Abi
79	CB17S 182673	AJMEER KHAN A	Ajmeer

S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
80	CB17S 182674	AKASH S	Akash
81	CB17S 182677	BALAJI S	Balaji
82	CB17S 182678	BRINDHA R	Brindha
83	CB17S 182679	DIVAGAR R	Divagar
84	CB17S 182680	ELANGO VAN V	Elango
85	CB17S 182681	GAYATHRI M	Gayathri
86	CB17S 182682	GOKILAN T	Gokilan
87	CB17S 182683	GOPINATH R	Gopinath
88	CB17S 182685	GRACE ROMALD BRITTO A	Grace
89	CB17S 182686	HARISH R	Harish
90	CB17S 182687	ITHRISH M	Ithrish
91	CB17S 182688	MOHAMED BHARATHI J	Mohamed
92	CB17S 182689	MOHAN T	Mohan
93	CB17S 182690	NAGARAJUN S	Nagarajun
94	CB17S 182691	NITHISKUMAR R	Nithiskumar
95	CB17S 182692	PALINIBHARATHI A	Palinibharathi
96	CB17S 182693	PANDIAMMAL T	Pandiammal
97	CB17S 182694	PRAKASH V	Prakash
98	CB17S 182695	PRASANNA V	Prasanna
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100	CB17S 182697	PRIYANKA K	Priyanka



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104	CB17S 182701	RUTHRALINGAM P	Ruthralingam
105	CB17S 182702	SAKTHIVEL K	Sakthivel
106	CB17S 182703	SANTHIYA K	Santhiya K
107	CB17S 182704	SATHOSH KUMAR P	Sathy
108	CB17S 182705	SATHISH KUMAR S	Sathish K
109	CB17S 182706	SATHISRAJ A	Sathisraj
110	CB17S 182707	SATHIYANARAYANAN V	Sathiyar
111	CB17S 182708	SENTHIL KUMAR K	Senthil
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117	CB17S 182717	VEERAIYAN C	Veeraiyan
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123	P 19272904	BHARANIDHARAN. C. G	Bharanidharan
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132	P 19272914	MUTHURAMAN. R	Muthuraman
133	P 19272915	REVATHI. R	Revathi
134	P 19272916	SIVANANDAM. P	Sivanandam
135	P 19272917	SUBASH. K	Subash
136	P 19272918	SUDARSON. S. P	Sudarson
137	P 19272919	VAIRAPPAN. R	Vairappan
138	P 19272920	VEERAMANI. G	Veeramani
139	P 19272921	VIVEK. K	Vivek
140	P 19272922	ZAFFAR ALI. M	Zaffar Ali
141	P 18270986	ARUNKUMAR. A	Arunkumar
142	P 18270987	BALAMURUGAN. S	Balamurugan



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
143	P 18270988	BHARATHI SESHAN. P	<i>Bharathi Seshan</i>
144	P 18270989	GURUBHARATHI. S	<i>Gurubharathi</i>
145	P 18270990	HARI VINOTH. S	<i>Hari Vinoth</i>
146	P 18270991	HARI HARAN. S	<i>Hari Haran</i>
147	P 18270992	RAJESH. S	<i>Rajesh</i>
148	P 18270993	SUBBU RAJ. M	<i>Subbu Raj</i>



[Signature]
PRINCIPAL
 Bharath College of Science and Management
 Bharath Avenue (Near New Bus Stand)
 THANJAVUR - 613 005.

THANJAVUR – 5

(UGC Recognized 2(f) & 12(B) Institution)

(Affiliated to Bharathidasan University, Tiruchirappalli – 24)

PG DEPARTMENT OF COMPUTER SCIENCE REPORT



PG Department of Computer Science in Association IQAC organized one day seminar on “Recent Trends in Computer Science and Mathematics” sponsored by Kaisa Computer Education and Technologies, Thanjavur on 19th February 2020 at seminar hall. Totally ~~148~~ students and staff have participated and get benefitted. Dr. R. Ravindran, Asst. Prof., Department of Computer Science, St. Joseph College (AUT), Trichy and Dr. A. Venkatesh, Asst. Prof., Department of Mathematics, AVVM Sri Pushpam College, Poondi has invited as the resource persons. The program was presided over by Mrs. Punitha Ganesan, B.Sc., M.A., Secretary, Bharath Group of Institutions, Thanjavur. The program started with prayer song. Then welcome address was delivered by the student Mr. P. Bharathi Seshan, from II M.Sc. (CS). Dr. T. Veerasamy, Director and Dr. K. Kumar, M.Com., M.Phil., M.B.A., NET, Ph.D., Principal, Bharath College of Science and Management, Thanjavur, felicitated the program. Ms. T. Pandiammal from II B.Sc. (CS) has presented her chief guest introduction. The first session was handled by Dr. R. Ravindran, Asst. Prof., Department of Computer Science discussed about the recent technologies in computer science and the second session was handed over to Dr. A. Venkatesh, Asst. Prof., Department of Mathematics discussed about the statistical tools and technologies in mathematics. Mr. M. Zafar Ali from I M.Sc. (CS) delivered his vote of thanks. The program has concluded with National Anthem.




PRINCIPAL

Bharath College of Science and Management
Bharath Avenue (Near New Bus Stand)
THANJAVUR - 613 005



Bharath College of Science and Management

(UGC Recognized 2(f) & 12(B) Institution)

Affiliated to Bharathidasan University, Tiruchirappalli,

Thanjavur - 613005.

PG DEPARTMENT OF COMPUTER SCIENCE

In Association with IQAC

Organizes

WEBINAR ON

CLOUD COMPUTING & JOB PLACEMENT

PRESIDED OVER BY

Mrs. PUNITHA GANESAN, B.Sc., M.A.

Secretary,

Bharath Group of

Institutions, Thanjavur-05.

FELICITATION

Dr. T. VEERASAMY,

Director,

Bharath College of Science and

Management,

Thanjavur-05.

Dr. K. KUMAR, M.Com., M.Phil., M.B.A., NET, Ph.D.

Principal,

Bharath College of Science

and Management,

Thanjavur-05.

RESOURCE PERSON

Mr. K. SETHURAMAN,

Project Lead,

L & T Infotech, Chennai.

Date : 31.07.2020

Time : 11:30 Am

Sponsored by KAISA EDUCATION

Plat form : GOOGLE MEET

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT

THANJAVUR-610005, TAMIL NADU

ONE DAY WEBINAR ON CLOUD COMPUTING & JOB PLACEMENT

AGENDA

TIME: 11.30 AM

PRAYER SONG:	BY STUDENTS
WELCOME ADDRESS:	BY STUDENT
FELICITATION:	1. Dr. T. VEERASAMY, DIRECTOR, BCNM 2. Dr. K. KUMAR, PRINCIPAL, BCNM
PRESIDENTIAL ADDRESS:	Mrs. PUNITHA GANESAN, SECRETARY, BHARATH GROUP OF INSTITUTIONS, THANJAVUR
CHIEF GUEST INTRODUCTION:	BY STUDENT
KEY NOTE ADDRESS:	Mr. K. SETHURAMAN, PROJECT LEAD, I & T INFOTECH CHENNAI
VOTE OF THANKS:	BY STUDENT
NATIONAL ANTHEM:	BY ALL

ORGANIZING COMMITTEE

CHIEF PATRON

Mrs. PUNITHA GANESAN, B.Sc., M.A.,
Secretary,
Bharath Group of Institutions, Thanjavur.

PATRON

Dr. T. VEERASAMY, M.A., M.Phil., Ph.D.,
Director, Bharath College of Science & Management,
Thanjavur -5

Dr. K. KUMAR, M.Com., M.Phil., M.B.A., NET., Ph.D.,
Principal, Bharath College of Science & Management,
Thanjavur -5

ORGANIZING CHAIR

Prof. R. SUMATHI, M.A., M.Phil.,
Asst. Prof. & Head,
PG Dept of COMPUTER SCIENCE

ORGANIZING COORDINATORS

1. **Prof. R. MELUGESAN, M.A., M.Phil.,**
Assistant Professor (CS)
2. **Prof. R. ABIRKUMAR, M.Sc., M.Phil.,**
Assistant Professor (CS)



BHARATH COLLEGE OF SCIENCE AND MANAGEMENT

(UGC Recognized 2010 & 12B Institution)
(Affiliated to Bharathidasan University, Thanjavur)
Thanjavur-610005, Tamil Nadu, India

ONE DAY WEBINAR ON CLOUD COMPUTING & JOB PLACEMENT

31ST JULY 2020

Organized By

DEPARTMENTS OF COMPUTER SCIENCE,
COMPUTER APPLICATIONS & INFORMATION
TECHNOLOGY

IN ASSOCIATION WITH IQAC

RESOURCE PERSON

Mr. K. SETHURAMAN,

PROJECT LEAD,

I & T INFOTECH CHENNAI

SPONSORED BY

KARLA EDUCATION AND TECHNOLOGIES

PLATFORM: GOOGLE MEET

About the College

Bharath College of Science and Management affiliated to Bharathidasan University, Tiruchirappalli is functioning from the academic year 2000-2001. Bharath College is a self - financing college run by K. Nadimuthu Memorial Educational Trust and sanctioned by the Government of Tamilnadu vide G.O.No.168, Higher Education dt. 30.05.2000.

To promote patriotism in the young minds of our students, the college has been rightly named as Bharath College of Science and Management.

The vision of the college is to provide an idyllic environment of affection and care in the pursuit of knowledge. To contribute the excellence in technical education, scientific and research, to serve as a valuable resource for industry and society and remain a source of pride for inclusive growth of the society.

About the Department

The Department Computer Science, was started in the year 2001. The academic activities of the departments are centered on teaching, seminar, workshops, physical activities., etc.

completing a degree in Computer Science, Information Technology & Computer Applications provides you a sense of accomplishment, career satisfaction and endless possibilities. The department strives to impart knowledge and enlighten the students in terms of all avenues and admit a diverse, talented and promising student body and prepare them for the competitive world and to fight for what they want.

The Department Association "**BHARATH PHEONIX ASSOCIATION**" to motivate and inculcate our younger generation about the innovation and challenges in computer science, by conducting the seminar, workshop, training program for both UG & PG students.

Mission and Vision

Impart knowledge and enlighten the students in all avenues pertaining to computer science. Provide a firm foothold into the I.T. industries. Inculcate professional excellence logical thinking and analytical ability by giving exposures to application-oriented education. Focus on inculcating ethical value to the students.

About the Webinar

In this webinar the session focuses on security risks and threats in cloud. We touch

upon the security strategy, broad set of controls, and recommendations to enable use of cloud based services in any enterprise. The topics include identity and access management, data security, policy and procedures etc., in the cloud and also the opportunities of job placements in this area.

Invited participants

- Faculties
- UG & PG Students

Registration

The registration can be done on spot. All Correspondence regarding the seminar can be sent to

Prof. R. SUMITHRA, M.C.A., M. Phil.,
Organizing Chair

Mobile: 9442177963

E-mail: bscscsdept@gmail.com

Phone: 04362 - 227937, 228081

www.bharathcollege.edu.in

bharathcollege@gmail.com

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT,

(UGC Recognized 2(f) and 12(B) Institution)

(Affiliated to Bharathidasan university, Tiruchirapalli-24)

PG DEPARTMENT OF COMPUTER SCIENCE

IN ASSOCIATION WITH IQAC

Organizes

ONE DAY WEBINAR ON

CLOUD COMPUTING AND JOB PLACEMENT

AGENDA

DATE : 31.07.2020

VENUE: SEMINAR HALL

- | | | |
|--------------------------|---|--|
| Prayer song | : | By Students |
| Welcome Address | : | Mr. M. Zafar Ali, II M.Sc. (CS),
Bharath College of Science and Management, Thanjavur. |
| Felicitation | : | Dr. T. Veerasamy,
Director, Bharath College of Science and Management,
Thanjavur. |
| | : | Dr. K. Kumar, M.Com., MBA., M.Phil., Ph.D.,
Principal, Bharath College of Science and Management,
Thanjavur. |
| Presidential Address | : | Mrs. Punitha Ganesan, B.Sc., M.A.,
Secretary, Bharath College of Science and Management,
Thanjavur. |
| Chief Guest Introduction | : | Mr. S. Ravish, III B.Sc. (CS),
Bharath College of Science and Management, Thanjavur. |
| Keynote Address | : | Mr. K. Sethuraman,
Project Lead, L & T Infotech,
Chennai. |
| Vote of Thanks | : | Ms. K. Nasrin Baanu, I M.Sc. (CS),
Bharath College of Science and Management,
Thanjavur. |

NATIONAL ANTHEM

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT

(UGC Recognized 2(f) & 12(B) Institution)

THANJAVUR-5

PG DEPARTMENT OF COMPUTER SCIENCE

ONE DAY WEBINAR ON CLOUD COMPUTING AND JOB PLACEMENT

LIST OF PARTICIPANTS

DATE: 31.07.2020

S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
1	CB20S 199597	ABDUL BASITH. M	Abdul Basith M.
2	CB20S 199598	ABISHEK. S	Abhishek S.
3	CB20S 199599	AJITH KUMAR. V	Ajith Kumar V.
4	CB20S 199600	AKASH. L	Akash L.
5	CB20S 199601	ARAVINTHAN. V	Aravintan V.
6	CB20S 199602	BALAMURUGAN. S	Balamurugan S.
7	CB20S 199603	DEENADAYALAN. P	Deendayalan P.
8	CB20S 199604	JAMES ANTONY SAHAYARAJ. S	James Antony Sahayaraj S.
9	CB20S 199605	JAMES KUMAR. P	James Kumar P.
10	CB20S 199606	JAYASABARI. G	Jayasabari G.
11	CB20S 199607	JENIFAR JOSPHINE RANI. S	Jenifar Josphine Rani S.
12	CB20S 199608	JOSEWACHRISTOPHERRAJ. B	Josewachristopherraj B.
13	CB20S 199609	KABILESH. M. J	Kabilesh M. J.
14	CB20S 199610	KARTHIK RAJA. B	Karthik Raja B.
15	CB20S 199611	MOHAMED ASHIK. K	Mohamed Ashik K.
16	CB20S 199612	MUTHURAMAN. M	Muthuraman M.



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
17	CB20S 199613	NITHISH. N	Nithish N
18	CB20S 199614	NIVAS. S	Nivas S
19	CB20S 199615	PANDEESWARI. G	Pandeeswari G
20	CB20S 199616	PERVEASH MOHAMED .N	Perveash Mohamed
21	CB20S 199617	PRASANTH. R	Prasanth R
22	CB20S 199618	PRIYANKA. E	Priyanka E
23	CB20S 199619	SALMAN FARAS. S	Salman Faras S
24	CB20S 199620	SANDHIYA. R	Sandhya R
25	CB20S 199621	SATHISH KUMAR. V	Sathish Kumar V
26	CB20S 199622	SATHYASEELAN. M	Sathyaseelan M
27	CB20S 199623	SHARMILA. M	Sharmila M
28	CB20S 199624	SIVANESHWARAN. R	Sivaneshwaran R
29	CB20S 199625	SIVAYALINI. P	Sivayalini P
30	CB20S 199626	SOBIKA. J	Sobika J
31	CB20S 199627	SOWMIYA. L	Sowmiya L
32	CB20S 199628	THAMILMANI. B	Thamilmani B
33	CB20S 199629	VIGNESH KUMAR. M	Vignesh Kumar
34	CB19S 193606	ADHITHYA. R	Adhithya R
35	CB19S 193607	AHAMED NIYAS. A	Ahamed Niyas A
36	CB19S 193608	AMARESHWAR. PS	Amareshwar PS
37	CB19S 193609	ANANDAN. K	Anandan K



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
38	CB19S 193610	ANTORAGUNATH P	Antoragunath P
39	CB19S 193611	BALAJI.V.R	Balaji V.R
40	CB19S 193612	BHARATHI. B. R. S	Bharathi B.R.S
41	CB19S 193613	BOOMINATHAN. R	Boominathan R
42	CB19S 193614	BHUVANESH. A	Bhuvanesh A
43	CB19S 193615	DEVARAJAN. S	Devarajan S
44	CB19S 193616	ELAVARSAN. A	Elavarsan A
45	CB19S 193617	ELAVARSAN. K	Elavarsan K
46	CB19S 193618	EZHILARASAN. G	Ezhilarasan G
47	CB19S 193619	GNANASUNDHARI. R	Gnanasundhari R
48	CB19S 193620	GOMATHI. R	Gomathi R
49	CB19S 193621	JAYAPRIYAN. J	Jayapriyan J
50	CB19S 193622	JAGADESH. P	Jagadesh P
51	CB19S 193623	KARTHIK KUMAR. J.M.	Karthik Kumar
52	CB19S 193624	KARTHIK. S	Karthik S
53	CB19S 193625	KARTHIKEYAN. K	Karthikeyan K
54	CB19S 193626	KASI. S	Kasi S
55	CB19S 193627	KATHIRVEL. G	Kathirvel G
56	CB19S 193628	KIRUBAKARAN. M	Kirubakaran M
57	CB19S 193629	MADHUBALA. B	Madhubala B
58	CB19S 193630	MAHESWARAN. K	Maheswaran K



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
59	CB19S 193631	MANIKANDAN. M	Manikandan M
60	CB19S 193632	MANIKATHAYANITHI. M	Manikathayanithi M
61	CB19S 193633	MANOJKUMAR. S	Manojkumar S
62	CB19S 193634	MOHAMED HAKKIM MOHSIN. M	Mohamed Hakkim Mohsin M
63	CB19S 193635	MUKESH KANNAN. M	Mukesh Kannan M
64	CB19S 193636	MUKILAN. P	Mukilan P
65	CB19S 193637	PRABAKAR. L	Prabakar L
66	CB19S 193638	PRAVEEN KUMAR. R	Praveen Kumar R
67	CB19S 193639	RACHSON. S	Rachson S
68	CB19S 193640	RAGUVARAN. R	Raguvaran R
69	CB19S 193641	RANJITH. R	Ranjith R
70	CB19S 193642	ROHIN AMALA RAJ. R	Rohin Amala Raj R
71	CB19S 193643	SABARISH. S	Sabarish S
72	CB19S 193644	SANTHOSH. S	Santhosh S
73	CB19S 193645	SATHISH KUMAR. M	Sathish Kumar M
74	CB19S 193646	SHAHUL HAMEED. A	Shahul Hameed A
75	CB19S 193647	SIVA. N	Siva N
76	CB19S 193648	SIVASURIYA. P	Sivasuriya P
77	CB19S 193649	SORNA. P. V	Sorna P. V
78	CB19S 193650	URUMAIYA. V	Urumaiya V
79	CB19S 193651	VENKATRAJ. B	Venkatraj B



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
80	CB19S 193652	VIGNESH. R	Vignesh R
81	CB19S 193653	VIGNESH. S	Vignesh S
82	CB18S 187996	AAKASH. M	Aakash M
83	CB18S 187997	ABISHEK. S	Abhishek S
84	CB18S 187998	ARUNPRASATH. A	Arun Prasath
85	CB18S 187999	BARATH. G	Barath G
86	CB18S 188000	BARATHKISHORE. MJ	Barath Kishore
87	CB18S 188001	CHANDRU. K	Chandru K
88	CB18S 188002	ESWARAN. P	Eswaran P
89	CB18S 188003	FYROSE AHAMED. M Y	Fyrose Ahamed
90	CB18S 188004	HAKKIM MOHAMED. A	Hakim Mohamed
91	CB18S 188006	HARIHARAN. R	Harihara R
92	CB18S 188007	KARTHIKEYAN. N	Karthikeyan N
93	CB18S 188008	KAVIYA. S	Kaviya S
94	CB18S 188009	MADHUMITHA. R	Madhumitha R
95	CB18S 188010	MUKESH. K	Mukesh K
96	CB18S 188011	NANDHA KUMAR. M	Nandha Kumar
97	CB18S 188012	NANTHA KUMAR. S	Nantha Kumar
98	CB18S 188013	POOJA. S	Pooja S
99	CB18S 188014	PRADEEP. R	Pradeep R
100	CB18S 188015	PRAVEEN. C	Praveen C



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
101	CB18S 188016	PRAVEENKUMAR. M	Praveen M.
102	CB18S 188017	PRITHIVIRAJ. R	Prithiviraj R.
103	CB18S 188018	RAVISH. S	Ravish S
104	CB18S 188019	SABEER AHAMED.S	Sabeer Ahmed S
105	CB18S 188020	SANTHOSH. K	Santhosh K
106	CB18S 188022	SUJITH. P	Sujith P.
107	CB18S 188023	VENGATESHAN. S	Vengateshan S.
108	CB18S 188024	VIGNESH. A	Vignesh A
109	CB18S 188025	VISHNU PRAKASH. R	Vishnu Prakash R.
110	P 20273405	ARJUN. K	Arjun K.
111	P 20273406	AYSHWARYA. P	Ayshwarya P.
112	P 20273407	BRINDHA. R	Brindha R
113	P 20273408	DIVAGAR. R	Divagar R.
114	P 20273409	ELANGO VAN. V	Elango Van V.
115	P 20273410	GOKILAN. T	Gokilan T
116	P 20273411	GRACE ROMALD BRITTO. A	Grace Romald Britto A.
117	P 20273412	GUHAN. S	Guhan S
118	P 20273413	HARISH. R	Harish R.
119	P 20273414	JAGADEESH SAGAR. K	Jagadeesh Sagar K.
120	P 20273415	KARTHIK. T	Karthik T
121	P 20273416	KARTHIKA. S	Kartika S



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
122	P 20273417	KRISHNAPRIYA. K	Krishnapriya K
123	P 20273418	NANCY BRINTHA. I	Nancy Brintha I
124	P 20273419	NASRIN BAANU. K	Nasrin Baanu K
125	P 20273420	PREETHI BAL. R	Preethi Bal R
126	P 20273421	PRIYANKA. K	Priyanka K
127	P 20273422	PUGALENDI. A	Pugalendi A
128	P 20273423	RAJESH. R	Rajesh R
129	P 20273424	RAMANI. S	Ramani S
130	P 20273425	RUTHRALINGAM. P	Ruthralingam P
131	P 20273426	SAKTHIVEL. K	Sakthivel K
132	P 20273427	SANTHOSH KUMAR. P	Santhosh Kumar P
133	P 20273428	SATHISH KUMAR. S	Sathish Kumar S
134	P 20273429	SATHISH RAJ. A	Sathish Raj A
135	P 20273430	SATHYA NARAYANAN. V	Sathya Narayanan V
136	P 20273431	SUGANYA. G	Suganya G
137	P 20273432	SYED MOHAMED. S	Syed Mohamed S
138	P 20273433	VAIRAVAN. S. T	Vairavan S T
139	P 20273434	VEERAMANI. M	Veeramani M
140	P 20273435	VIJAY. A	Vijay A
141	P 19272901	AJAY. S	Ajay S
142	P 19272902	AJITH KUMAR. R	Ajith Kumar R



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
143	P 19272903	ANIS FATHIMA. K	Ani Fathima K
144	P 19272904	BHARANIDHARAN. C. G	Bharanidharan C. G
145	P 19272906	GNANASEKAR. M	Gnanasekar M.
146	P 19272907	GUNASEKAR. K	Gunasekar K
147	P 19272908	JAYA SUTHAN. S	Jaya Suthan S
148	P 19272909	JAYASURYA. I	Jayasurya I
149	P 19272910	KARTHIKEYAN. K	Karthikeyan K
150	P 19272911	MALAYARASAN. G	Malayarasan G
151	P 19272912	MANIKANDAN. B	Manikandan B
152	P 19272913	MUKESHKUMAR. S	Mukeshkumar S
153	P 19272914	MUTHURAMAN. R	Muthuraman R
154	P 19272915	REVATHI. R	Revathi R
155	P 19272916	SIVANANDAM. P	Sivanandam P
156	P 19272917	SUBASH. K	Subash K
157	P 19272918	SUDARSON. S. P	Sudarson S. P
158	P 19272919	VAIRAPPAN. R	Vairappan R
159	P 19272920	VEERAMANI. G	Veeramani G
160	P 19272921	VIVEK. K	Vivek K
161	P 19272922	ZAFFAR ALL M	Zaffar All M



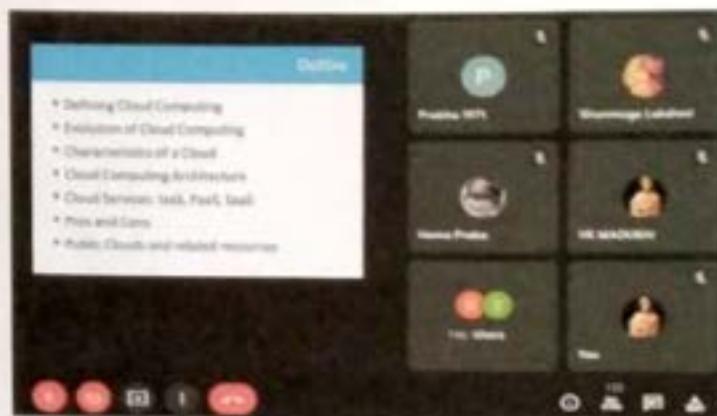
PRINCIPAL

Bharath College of Science and Management
Bharath Avenue (Near New Bus Stand)
THANJAVUR - 613 005.

**BHARATH COLLEGE OF SCIENCE AND MANAGEMENT,
THANJAVUR – 5**

(UGC Recognized 2(f) & 12(B) Institution)
(Affiliated to Bharathidasan University, Tiruchirappalli – 24)

**PG DEPARTMENT OF COMPUTER SCIENCE
REPORT**



PG Department of Computer Science in Association IQAC organized one day webinar on “Cloud Computing and Job Placement” sponsored by Kaisa Computer Education and Technologies, Thanjavur on 31st July 2020 at Google Meet. Totally 161 students and staff have participated and get benefitted. **Mr. K. Sethuraman, Project Lead, L&T Infotech, Chennai** has invited as the resource person. The program was presided over by **Mrs. Punitha Ganesan, B.Sc., M.A., Secretary, Bharath Group of Institutions**. The program started with prayer song. Then welcome address was delivered by the student **Mr. M. Zafar Ali, from II M.Sc. (CS)**. **Dr. T. Veerasamy, Director** and **Dr. K. Kumar, M.Com., M.Phil., M.B.A., NET, Ph.D., Principal, Bharath College of Science and Management, Thanjavur**, felicitated the program. **Mr. S. Ravish from III B.Sc. (CS)** has presented his chief guest introduction. The resource person touches the many aspects of cloud computing in modern life, and the need for cloud professionals are great. He discussed about the necessary skills and education for a cloud computing career. **Ms. K. Nasrin Baanu from I M.Sc. (CS)** delivered his vote of thanks. The program has concluded with National Anthem.




PRINCIPAL

Bharath College of Science and Management
Bharath Avenue (Near New Bus Stand)
THANJAVUR - 613 005.



Bharath College of Science and Management
(UGC Recognized 2(f) & 12(B) Institution)
Affiliated to Bharathidasan University, Tiruchirappalli,
Thanjavur - 613005.

PG Department of Computer Science
In Association with IQAC
Organizes
One Day Workshop on
" Skill Development in C Programming "

PRESIDED OVER BY

Mrs. PUNITHA GANESAN, B.Sc. M.A.
Secretary,
Bharath Group of Institutions,
Thanjavur-05.

RESOURCE PERSON

Mrs. SASITHA S.
Assistant Professor,
Department of Computer Science,
Bon Secours College, Thanjavur.

FELICITATION

Dr. T. VEERASAMY,
Director,
Bharath College of Science
and Management,
Thanjavur-05.

Dr. K.KUMAR,
Principal,
Bharath College of Science
and Management,
Thanjavur-05.

Sponsored by Kaisa Education.

Date: 18.08.2020

Venue: Seminar Hall

ALL ARE CORDIALLY INVITED

**BHARATH COLLEGE OF SCIENCE AND
MANAGEMENT**

THANJAVUR-613005, TAMIL NADU

**ONE DAY WORKSHOP ON
SKILL DEVELOPMENT IN
C PROGRAMMING**

AGENDA

TIME: 11.30 AM

PRAYER SONG:

BY STUDENTS

WELCOME ADDRESS

BY STUDENT

FELICITATION:

1. Dr. T. VEERASAMY,

DIRECTOR, BCNM

2. Dr. K. KUMAR,

PRINCIPAL, BCNM

**PRESIDENTIAL
ADDRESS:**

Mrs. PUNITHA GANESAN, M.A., M.Phil.,

SECRETARY,

BHARATH GROUP OF

INSTITUTIONS,

THANJAVUR

**CHIEF GUEST
INTRODUCTION:**

BY STUDENT

KEY NOTE ADDRESS:

Mrs. S. SASITHA, M.C.A., M.Phil.,

ASST. PROF., DEPT. OF CS,

BON SECOURS COLLEGE,

THANJAVUR

VOTE OF THANKS:

BY STUDENT

NATIONAL ANTHEM:

BY ALL

ORGANIZING COMMITTEE

CHIEF PATRON

Mrs. PUNITHA GANESAN, B.Sc., M.A.,

Secretary,

Bharath Group of Institutions, Thanjavur.

PATRON

Dr. T. VEERASAMY, M. A., M. Phil., Ph.D.,

Director, Bharath College of Science & Management,

Thanjavur -5

Dr. K. KUMAR, M.Com., M.Phil., M.B.A., NET., Ph.D.,

Principal, Bharath College of Science & Management,

Thanjavur -5

ORGANIZING CHAIR

Prof. R. SUMITHRA, M.C.A., M. Phil.,

Asst. Prof. & Head,

PG Dept of COMPUTER SCIENCE

ORGANIZING COORDINATORS

1. Prof. R. MURUGESAN, M.Sc., M. Phil.,

Assistant Professor (CS)

2. Prof. R. ARUNKUMAR, M.Sc., M. Phil.,

Assistant Professor (CS)



**BHARATH COLLEGE OF SCIENCE
AND MANAGEMENT**

(UGC Recognized 2(f) & 12(B) Institution)

(Affiliated to Bharathidasan University, Tiruchirappalli)

Thanjavur-613005, Tamil Nadu, India

ONE DAY WORKSHOP ON

SKILL DEVELOPMENT IN

C PROGRAMMING

18th AUGUST 2020

Organized By

PG DEPARTMENT OF COMPUTER SCIENCE

IN ASSOCIATION WITH IQAC

RESOURCE PERSON

Mrs. S. SASITHA, M.C.A., M.Phil.,

ASSISTANT PROFESSOR,

DEPARTMENT OF COMPUTER SCIENCE,

BON SECOURS COLLEGE, THANJAVUR.

SPONSORED BY

KAISA EDUCATION AND TECHNOLOGIES

About the College

Bharath College of Science and Management affiliated to Bharathidasan University, Tiruchirappalli is functioning from the academic year 2000-2001. Bharath College is a self-financing college run by K. Nadimuthu Memorial Educational Trust and sanctioned by the Government of Tamilnadu vide G.O.No.168, Higher Education dt. 30.05.2000.

To promote patriotism in the young minds of our students, the college has been rightly named as Bharath College of Science and Management.

The vision of the college is to provide an idyllic environment of affection and care in the pursuit of knowledge. To contribute the excellence in technical education, scientific and research; to serve as a valuable resource for industry and society and remain a source of pride for inclusive growth of the society.

About the Department

The Department Computer Science, was started in the year 2001. The academic activities of the departments are centered on teaching, seminar, workshops, physical activities, etc. completing a degree in Computer Science, Information Technology & Computer

Applications provides you a sense of accomplishment, career satisfaction and endless possibilities. The department strives to impart knowledge and enlighten the students in terms of all avenues and admit a diverse, talented and promising student body and prepare them for the competitive world and to fight for what they want.

The Department Association "**BHARATH PHEONIX ASSOCIATION**" to motivate and inculcate our younger generation about the innovation and challenges in computer science, by conducting the seminar, workshop, training program for both UG & PG students.

Mission and Vision

Impart knowledge and enlighten the students in all avenues pertaining to computer science. Provide a firm foothold into the I.T. industries. Inculcate professional excellence logical thinking and analytical ability by giving exposures to application-oriented education. Focus on inculcating ethical value to the students.

About the Workshop

The main focus of this workshop is to train the student as per the industrial scenario and our students can enhance their knowledge and achieve their goals. This workshop was

specifically meant for the students, with a view to make the students gain in-depth knowledge in C programming and to develop programming skills among students.

Invited participants

- Faculties
- UG & PG Students

Registration

The registration can be done on spot. All Correspondence regarding the seminar can be sent to

Prof. R. SUMITHRA, M.C.A., M. Phil.,
Organizing Chair

Mobile: 9442177963

E-mail: bcsmcsdept@gmail.com

Phone: 04362 - 227937, 228081

www.bharathcollege.edu.in

bharathcollege@gmail.com

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT,

(UGC Recognized 2(f) and 12(B) Institution)

(Affiliated to Bharathidasan university, Tiruchirapalli-24)

PG DEPARTMENT OF COMPUTER SCIENCE

IN ASSOCIATION WITH IQAC

Organizes

ONE DAY WORKSHOP ON

SKILL DEVELOPMENT IN C PROGRAMMING

AGENDA

DATE : 18.08.2020

VENUE: SEMINAR HALL

Prayer song	:	By Students
Welcome Address	:	Mr. M. Zafar Ali, MSc. (CS), Bharath College of Science and Management, Thanjavur.
Felicitation	:	Dr. T. Veerasamy, Director, Bharath College of Science and Management, Thanjavur.
	:	Dr. K. Kumar, M.Com., MBA., M.Phil., Ph.D., Principal, Bharath College of Science and Management, Thanjavur.
Presidential Address	:	Mrs. Punitha Ganesan, B.Sc., MA., Secretary, Bharath College of Science and Management, Thanjavur.
Chief Guest Introduction	:	Mr. S. Ravish, III B.Sc. (CS), Bharath College of Science and Management, Thanjavur.
Keynote Address	:	Prof. S. Sasitha, Assistant Professor, Department of Computer Science, Bon Secours College, Thanjavur.
Vote of Thanks	:	Ms. K. Nasrin Baanu, MSc. (CS), Bharath College of Science and Management, Thanjavur.

NATIONAL ANTHEM

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT

(UGC Recognized 2(f) & 12(B) Institution)

THANJAVUR-5

PG DEPARTMENT OF COMPUTER SCIENCE

ONE DAY WORKSHOP ON SKIL DEVELOPMENT IN C PROGRAMMING

LIST OF PARTICIPANTS

DATE: 18.08.2020

S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
1	CB20S 199597	ABDUL BASITH. M	Abdulbasith M.
2	CB20S 199598	ABISHEK. S	Abhishek S.
3	CB20S 199599	AJITH KUMAR. V	Ajith Kumar V.
4	CB20S 199600	AKASH. L	Akash L.
5	CB20S 199601	ARAVINTHAN. V	Aravintan V.
6	CB20S 199602	BALAMURUGAN. S	S. Balamurugan.
7	CB20S 199603	DEENADAYALAN. P	Deenadayalan P.
8	CB20S 199604	JAMES ANTONY SAHAYARAJ. S	Sahaya S.
9	CB20S 199605	JAMES KUMAR. P	James Kumar P.
10	CB20S 199606	JAYASABARI. G	Jayasabari G.
11	CB20S 199607	JENIFAR JOSPHINE RANI. S	Jenifar S.
12	CB20S 199608	JOSEWACHRISTOPHERRAJ. B	Josewachristopher B.
13	CB20S 199609	KABILESH. M. J	Kabiles M. J.
14	CB20S 199610	KARTHIK RAJA. B	Karthik B.
15	CB20S 199611	MOHAMED ASHIK. K	Mohamed Ashik K.
16	CB20S 199612	MUTHURAMAN. M	M. M.



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18	CB20S 199614	NIVAS. S	Nivas. S
19	CB20S 199615	PANDEESWARI. G	Pandeeswari. G.
20	CB20S 199616	PERVEASH MOHAMED .N	Perveash M.
21	CB20S 199617	PRASANTH. R	Prasanth. R.
22	CB20S 199618	PRIYANKA. E	Priyanka. E
23	CB20S 199619	SALMAN FARAS. S	Salman Faras. S.
24	CB20S 199620	SANDHIYA. R	Sandhiya. R.
25	CB20S 199621	SATHISH KUMAR. V	Sathish Kumar. V.
26	CB20S 199622	SATHYASEELAN. M	Sathyaseelan. M.
27	CB20S 199623	SHARMILA. M	Sharmila. M.
28	CB20S 199624	SIVANESHWARAN. R	Sivaneshwaran. R.
29	CB20S 199625	SIVAYALINI. P	P. Sivayalini
30	CB20S 199626	SOBIKA. J	Sobika. J.
31	CB20S 199627	SOWMIYA. L	Sowmya. L.
32	CB20S 199628	THAMILMANI. B	Tamil. B.
33	CB20S 199629	VIGNESH KUMAR. M	Vignesh. M.
34	CB19S 193606	ADHITHYA. R	Adhithya. R.
35	CB19S 193607	AHAMED NIYAS. A	Niyas. A.
36	CB19S 193608	AMARESHWAR. PS	Amareshwar. PS.
37	CB19S 193609	ANANDAN. K	Anandan. K.



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40	CB19S 193612	BHARATHI B. R. S	Bharathi B.R.S.
41	CB19S 193613	BOOMINATHAN. R	Boominathan. R
42	CB19S 193614	BHUVANESH. A	Bhuvanesh. A
43	CB19S 193615	DEVARAJAN. S	Devarajan. S
44	CB19S 193616	ELAVARSAN. A	Elavarsan. A
45	CB19S 193617	ELAVARSAN. K	Elavarsan. K
46	CB19S 193618	EZHILARASAN. G	Ezhilarasan. G
47	CB19S 193619	GNANASUNDHARI. R	Gnanasundhari. R
48	CB19S 193620	GOMATHI. R	Gomathi. R
49	CB19S 193621	JAYAPRIYAN. J	Jayapriyan. J
50	CB19S 193622	JAGADESH. P	Jagadesh. P
51	CB19S 193623	KARTHIK KUMAR. J.M.	Karthik Kumar J.M.
52	CB19S 193624	KARTHIK. S	Karthik. S
53	CB19S 193625	KARTHIKEYAN. K	Karthikeyan. K
54	CB19S 193626	KASI. S	Kasi. S
55	CB19S 193627	KATHIRVEL. G	Kathirvel. G.
56	CB19S 193628	KIRUBAKARAN. M	Kirubakaran. M
57	CB19S 193629	MADHUBALA. B	Madhubala. B
58	CB19S 193630	MAHESWARAN. K	Maheswaran. K



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60	CB19S 193632	MANIKATHAYANITHI. M	Manikathanithi. M.
61	CB19S 193633	MANOJKUMAR. S	Manojkumar. S.
62	CB19S 193634	MOHAMED HAKKIM MOHSIN. M	Hakim. M.
63	CB19S 193635	MUKESH KANNAN. M	Mukesh Kannan. M.
64	CB19S 193636	MUKILAN. P	Mukilan. P.
65	CB19S 193637	PRABAKAR. L	Prabakar. L.
66	CB19S 193638	PRAVEEN KUMAR. R	Praveen Kumar. R.
67	CB19S 193639	RACHSON. S	Rachson. S.
68	CB19S 193640	RAGUVARAN. R	Raguvaran. R.
69	CB19S 193641	RANJITH. R	Ranjith. R.
70	CB19S 193642	ROHIN AMALA RAJ. R	Rohin Amala Raj. R.
71	CB19S 193643	SABARISH. S	Sabarish. S.
72	CB19S 193644	SANTHOSH. S	Santhosh. S.
73	CB19S 193645	SATHISH KUMAR. M	Sathish Kumar. M.
74	CB19S 193646	SHAHUL HAMEED. A	Shahul Hameed. A.
75	CB19S 193647	SIVA. N	Siva. N.
76	CB19S 193648	SIVASURIYA. P	Sivasuriya. P.
77	CB19S 193649	SORNA. P. V	Sorna. P. V.
78	CB19S 193650	URUMAIYA. V	Urumaiya. V.
79	CB19S 193651	VENKATRAJ. B	Venkatraj. B.



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81	CB19S 193653	VIGNESH. S	Vignesh S.
82	CB18S 187996	AAKASH. M	Aakash M.
83	CB18S 187997	ABISHEK. S	Abishek S.
84	CB18S 187998	ARUNPRASATH. A	Arun Prasath A.
85	CB18S 187999	BARATH. G	Barath G.
86	CB18S 188000	BARATHKISHORE. MJ	Barathkishore MJ.
87	CB18S 188001	CHANDRU. K	Chandru K.
88	CB18S 188002	ESWARAN. P	Eswaran P.
89	CB18S 188003	FYROSE AHAMED. M Y	Fyrose Ahamed M Y.
90	CB18S 188004	HAKKIM MOHAMED. A	Hakkim Mohamed A.
91	CB18S 188006	HARIHARAN. R	Hariharan R.
92	CB18S 188007	KARTHIKEYAN. N	Karthikeyan N.
93	CB18S 188008	KAVIYA. S	Kaviya S.
94	CB18S 188009	MADHUMITHA. R	Madhumitha R.
95	CB18S 188010	MUKESH. K	Mukesh K.
96	CB18S 188011	NANDHA KUMAR. M	Nandha Kumar M.
97	CB18S 188012	NANTHA KUMAR. S	Nantha Kumar S.
98	CB18S 188013	POOJA. S	Pooja S.
99	CB18S 188014	PRADEEP. R	Pradeep R.
100	CB18S 188015	PRAVEEN. C	Praveen C.



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102	CB18S 188017	PRITHIVIRAJ. R	Prithviraj. R
103	CB18S 188018	RAVISH. S	Ravish. S
104	CB18S 188019	SABEER AHAMED. S	Sabeer Ahamed. S
105	CB18S 188020	SANTHOSH. K	Santhosh. K
106	CB18S 188022	SUJITH. P	Sujith. P
107	CB18S 188023	VENGATESHAN. S	Vengateshan. S
108	CB18S 188024	VIGNESH. A	Vignesh. A
109	CB18S 188025	VISHNU PRAKASH. R	Vishnu Prakash. R
110	P 20273405	ARJUN. K	Arjun. K
111	P 20273406	AYSHWARYA. P	Aishwarya. P
112	P 20273407	BRINDHA. R	Brindha. R
113	P 20273408	DIVAGAR. R	Divagar. R
114	P 20273409	ELANGO VAN. V	Elango V. V
115	P 20273410	GOKILAN. T	Gokilan. T
116	P 20273411	GRACE ROMALD BRITTO. A	Grace Romald Britto. A
117	P 20273412	GUHAN. S	Guhan. S
118	P 20273413	HARISH. R	Harish. R
119	P 20273414	JAGADEESH SAGAR. K	Jagadeesh Sagar. K
120	P 20273415	KARTHIK. T	Karthik. T
121	P 20273416	KARTHIKA. S	Karthika. S



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
122	P 20273417	KRISHNAPRIYA. K	Krishna P. K.
123	P 20273418	NANCY BRINTHA. I	Nancy Br. I.
124	P 20273419	NASRIN BAANU. K	Nasrin Baanu.
125	P 20273420	PREETHI BAL. R	Preethi Bal. R.
126	P 20273421	PRIYANKA. K	Priyanka.
127	P 20273422	PUGALENDI. A	Pugale. A.
128	P 20273423	RAJESH. R	Rajesh. R.
129	P 20273424	RAMANI. S	Ramani. S.
130	P 20273425	RUTHRALINGAM. P	Ruthra. P.
131	P 20273426	SAKTHIVEL. K	Sakthivel. K.
132	P 20273427	SANTHOSH KUMAR. P	Santhosh Kumar. P.
133	P 20273428	SATHISH KUMAR. S	Sathish Kumar. S.
134	P 20273429	SATHISH RAJ. A	Sathish Raj. A.
135	P 20273430	SATHYA NARAYANAN. V	Sathya Narayan.
136	P 20273431	SUGANYA. G	Suganya. G.
137	P 20273432	SYED MOHAMED. S	Syed Mohamed. S.
138	P 20273433	VAIRAVAN. S. T	Vairavan. S. T.
139	P 20273434	VEERAMANI. M	Veeramani. M.
140	P 20273435	VIJAY. A	Vijay. A.
141	P 19272901	AJAY. S	Ajay. S.
142	P 19272902	AJITH KUMAR. R	Ajith Kumar. R.



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143	P 19272903	ANIS FATHIMA. K	Anis F.
144	P 19272904	BHARANIDHARAN. C. G	Bharanidharan C.G.
145	P 19272906	GNANASEKAR. M	Gnanasekar M.
146	P 19272907	GUNASEKAR. K	Gunasekar K.
147	P 19272908	JAYA SUTHAN. S	Jaya Suthan S.
148	P 19272909	JAYASURYA. I	Jayasurya I.
149	P 19272910	KARTHIKEYAN. K	Karthikeyan K.
150	P 19272911	MALAYARASAN. G	Malayarasan G.
151	P 19272912	MANIKANDAN. B	Manikandan B.
152	P 19272913	MUKESHKUMAR. S	Mukesh Kumar S.
153	P 19272914	MUTHURAMAN. R	Muthuraman R.
154	P 19272915	REVATHI. R	Revathi R.
155	P 19272916	SIVANANDAM. P	Sivanandam P.
156	P 19272917	SUBASH. K	Subash K.
157	P 19272918	SUDARSON. S. P	Sudarson S.P.
158	P 19272919	VAIRAPPAN. R	Vairappan R.
159	P 19272920	VEERAMAN. G	Veeraman G.
160	P 19272921	VIVEK. K	Vivek K.
161	P 19272922	ZAFFAR ALI. M	Zaffar Ali M.




PRINCIPAL
 Bharath College of Science and Management
 Bharath Avenue (near New Bus Stand)
 THANJAVUR - 613 005.

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT

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THANJAVUR-5

PG DEPARTMENT OF COMPUTER SCIENCE

ONE DAY WORKSHOP ON SKIL DEVELOPMENT IN C PROGRAMMING

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23	CB20S 199619	SALMAN FARAS. S	Salman Faras. S.
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34	CB19S 193606	ADHITHYA. R	Adhithya. R.
35	CB19S 193607	AHAMED NIYAS. A	Niyas. A.
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53	CB19S 193625	KARTHIKEYAN. K	Karthikeyan K.
54	CB19S 193626	KASI. S	Kasi S
55	CB19S 193627	KATHIRVEL. G	Kathirvel G.
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74	CB19S 193646	SHAHUL HAMEED. A	Shahul Hameed A.
75	CB19S 193647	SIVA. N	Siva N.
76	CB19S 193648	SIVASURIYA. P	Sivasuriya P.
77	CB19S 193649	SORNA. P. V	Sorna P. V.
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84	CB18S 187998	ARUNPRASATH. A	Arunprasath A.
85	CB18S 187999	BARATH. G	Barath G.
86	CB18S 188000	BARATHKISHORE. MJ	Barathkishore MJ.
87	CB18S 188001	CHANDRU. K	Chandru K.
88	CB18S 188002	ESWARAN. P	Eswaran P.
89	CB18S 188003	FYROSE AHAMED. M Y	Fyrose Ahamed M Y.
90	CB18S 188004	HAKKIM MOHAMED. A	Hakkim Mohamed A.
91	CB18S 188006	HARIHARAN. R	Hariharan R.
92	CB18S 188007	KARTHIKEYAN. N	Karthikeyan N.
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98	CB18S 188013	POOJA. S	Pooja S.
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100	CB18S 188015	PRAVEEN. C	Praveen C.



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104	CB18S 188019	SABEER AHAMED.S	Sabeer Ahamed. S
105	CB18S 188020	SANTHOSH. K	Santhosh. K
106	CB18S 188022	SUJITH. P	Sujith. P
107	CB18S 188023	VENGATESHAN. S	Vengateshan. S
108	CB18S 188024	VIGNESH. A	Vignesh. A
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110	P 20273405	ARJUN. K	Arjun. K
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112	P 20273407	BRINDHA. R	Brindha. R
113	P 20273408	DIVAGAR. R	Divagar. R
114	P 20273409	ELANGO VAN. V	Elango V. V
115	P 20273410	GOKILAN. T	Gokilan. T
116	P 20273411	GRACE ROMALD BRITTO. A	Grace Romald Britto. A
117	P 20273412	GUHAN. S	Guhan. S
118	P 20273413	HARISH. R	Harish. R
119	P 20273414	JAGADEESH SAGAR. K	Jagadeesh Sagar. K
120	P 20273415	KARTHIK. T	Karthik. T
121	P 20273416	KARTHIKA. S	Karthika. S



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
122	P 20273417	KRISHNAPRIYA. K	Krishna P. K.
123	P 20273418	NANCY BRINTHA. I	Nancy Br. I.
124	P 20273419	NASRIN BAANU. K	Nasrin Baanu. K.
125	P 20273420	PREETHI BAL R	Preethi Bal R.
126	P 20273421	PRIYANKA. K	Priyanka. K.
127	P 20273422	PUGALENDI. A	Pugalendi. A.
128	P 20273423	RAJESH. R	Rajesh. R.
129	P 20273424	RAMANI. S	Ramani. S.
130	P 20273425	RUTHRALINGAM. P	Ruthralingam. P.
131	P 20273426	SAKTHIVEL. K	Sakthivel. K.
132	P 20273427	SANTHOSH KUMAR. P	Santhosh Kumar. P.
133	P 20273428	SATHISH KUMAR. S	Sathish Kumar. S.
134	P 20273429	SATHISH RAJ. A	Sathish Raj. A.
135	P 20273430	SATHYA NARAYANAN. V	Sathya Narayan. V.
136	P 20273431	SUGANYA. G	Suganya. G.
137	P 20273432	SYED MOHAMED. S	Syed Mohamed. S.
138	P 20273433	VAIRAVAN. S. T	Vairavan. S. T.
139	P 20273434	VEERAMANI. M	Veeramani. M.
140	P 20273435	VIJAY. A	Vijay. A.
141	P 19272901	AJAY. S	Ajay. S.
142	P 19272902	AJITH KUMAR. R	Ajith Kumar. R.



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
143	P 19272903	ANIS FATHIMA. K	Anis F.
144	P 19272904	BHARANIDHARAN. C. G	Bharanidharan C.G.
145	P 19272906	GNANASEKAR. M	Gnanasekar M.
146	P 19272907	GUNASEKAR. K	Gunasekar K.
147	P 19272908	JAYA SUTHAN. S	Jaya Suthan S.
148	P 19272909	JAYASURYA. I	Jayasurya I.
149	P 19272910	KARTHIKEYAN. K	Karthikeyan K.
150	P 19272911	MALAYARASAN. G	Malayarasan G.
151	P 19272912	MANIKANDAN. B	Manikandan B.
152	P 19272913	MUKESHKUMAR. S	Mukesh Kumar S.
153	P 19272914	MUTHURAMAN. R	Muthuraman R.
154	P 19272915	REVATHI. R	Revathi R.
155	P 19272916	SIVANANDAM. P	Sivanandam P.
156	P 19272917	SUBASH. K	Subash K.
157	P 19272918	SUDARSON. S. P	Sudarson S.P.
158	P 19272919	VAIRAPPAN. R	Vairappan R.
159	P 19272920	VEERAMANI. G	Veeramani G.
160	P 19272921	VIVEK. K	Vivek K.
161	P 19272922	ZAFFAR ALI. M	Zaffar Ali M.



[Handwritten signature]

PRINCIPAL

Bharath College of Science and Management
Bharath Avenue (Near New Bus Stand)
THANJAVUR - 613 005.

**BHARATH COLLEGE OF SCIENCE AND MANAGEMENT,
THANJAVUR – 5**

(UGC Recognized 2(f) & 12(B) Institution)
(Affiliated to Bharathidasan University, Tiruchirappalli – 24)

PG DEPARTMENT OF COMPUTER SCIENCE

REPORT



PG Department of Computer Science in Association IQAC organized one day workshop on “Skill Development in C Programming” sponsored by Kaisa Education and Technologies, Thanjavur on 18th August 2020 at seminar hall. Totally 161 students have participated and get benefitted. **Mrs. S. Sasitha, M.C.A., MPhil., Assistant Professor, Bon Secours College, Thanjavur** has invited as the resource person. The program was presided over by **Mrs. Punitha Ganesan, B.Sc., M.A., Secretary, Bharath Group of Institutions.** The program started with prayer song. Then welcome address was delivered by the student **Mr. M. Zafar Ali, from II M.Sc. (CS).** **Dr. T. Veerasamy, Director** and **Dr. K. Kumar, M.Com., MPhil., MBA., NET, Ph.D., Principal, Bharath College of Science and Management, Thanjavur,** felicitated the program. **Mr. S. Ravish** from III B.Sc. (CS) has presented his chief guest introduction. The workshop was specifically meant for the students, with a view to make the students gain in-depth knowledge in C programming skills. The resource person explained the programming skills among the students. **Ms. K. Nasrin Baanu** from I M.Sc. (CS) delivered his vote of thanks. The program has concluded with National Anthem.




PRINCIPAL

Bharath College of Science and Management
Bharath Avenue (Near New Bus Stand)
THANJAVUR - 613 005.





Bharath College of Science and Management
(UGC Recognized 2(f) & 12(B) Institution)
Affiliated to Bharathidasan University, Trichirappalli,
Thanjavur - 613005.

PG DEPARTMENT OF COMPUTER SCIENCE

In Association with IQAC

Organizes

One Day Seminar on

**Recent Trends in Cloud Computing
and Virtualization**

PRESIDED OVER BY

Mrs. MUNITHAKANESAN, B.E., M.A.

Secretary,

Bharath Group of Institutions,

Thanjavur-05.

RESOURCE PERSON

Dr. B. JEEVARANI,

Assistant Professor & Head,

Department of Computer Science,

Rajah's College, Thiruvannamalai.

FELICITATION

Dr. S. VEDARASAMY,

Director,

Bharath College of Science and

Management,

Thanjavur-05.

Dr. P. KUMAR, B.Sc., M.A., M.T.A., M.T.S.,

Principal,

Bharath College of Science and

Management,

Thanjavur-05.

Date : 12.03.2021

Sponsored by Kaisa Education.

ALL ARE CORDIALLY INVITED

**BHARATH COLLEGE OF SCIENCE AND
MANAGEMENT**

THANJAVUR-613005, TAMIL NADU

**ONE DAY SEMINAR ON
RECENT TRENDS IN CLOUD
COMPUTING & VIRTUALIZATION**

AGENDA

TIME: 11.30 AM

PRAYER SONG: BY STUDENTS

WELCOME ADDRESS: BY STUDENT

FELICITATION: 1. Dr. T. VEERASAMY,
DIRECTOR, BCSM
2. Dr. K. KUMAR,
PRINCIPAL, BCSM

PRESIDENTIAL
ADDRESS: Mrs. PUNITHA GANESAN, B.Sc., M.A.,
SECRETARY,
BHARATH GROUP OF
INSTITUTIONS,
THANJAVUR

CHIEF GUEST
INTRODUCTION: BY STUDENT

KEY NOTE ADDRESS: Dr. B. JEEVARANI,
ASST. PROF. IN CS,
RAJAH'S COLLEGE,
THIRUVAIYARU

VOTE OF THANKS: BY STUDENT

NATIONAL ANTHEM: BY ALL

ORGANIZING COMMITTEE

CHIEF PATRON

Mrs. PUNITHA GANESAN, B.Sc., M.A.,
Secretary,
Bharath Group of Institutions, Thanjavur.

PATRON

Dr. T. VEERASAMY, M.A., M.Phil., Ph.D.,
Director, Bharath College of Science & Management,
Thanjavur -5

Dr. K. KUMAR, M.Com., M.Phil., M.B.A., NET., Ph.D.,
Principal, Bharath College of Science & Management,
Thanjavur -5

ORGANIZING CHAIR

Prof. R. SUMITHRA, M.C.A., M.Phil.,
Asst. Prof. & Head,
PG Dept of COMPUTER SCIENCE

ORGANIZING COORDINATORS

1. Prof. R. MURUGESAN, M.Sc., M.Phil.,
Assistant Professor (CS)
2. Prof. R. ARUNKUMAR, M.Sc., M.Phil.,
Assistant Professor (CS)



**BHARATH COLLEGE OF SCIENCE
AND MANAGEMENT**

(UGC Recognized 2(f) & 12(B) Institution)
(Affiliated to Bharathidasan University, Tiruchirappalli)
Thanjavur-613005, Tamil Nadu, India

**ONE DAY SEMINAR ON
RECENT TRENDS IN CLOUD
COMPUTING & VIRTUALIZATION**

12TH MARCH 2021

Organized By

PG DEPARTMENT OF COMPUTER SCIENCE

IN ASSOCIATION WITH IQAC

RESOURCE PERSON

Dr. B. JEEVARANI,

ASSISTANT PROFESSOR,
DEPARTMENT OF COMPUTER SCIENCE,
RAJAH'S COLLEGE, THIRUVAIYARU.

SPONSORED BY

KAISA EDUCATION AND TECHNOLOGIES

About the College

Bharath College of Science and Management affiliated to Bharathidasan University, Tiruchirappalli is functioning from the academic year 2000-2001. Bharath College is a self - financing college run by K. Nadimuthu Memorial Educational Trust and sanctioned by the Government of Tamilnadu vide G.O.No.168, Higher Education dt. 30.05.2000.

To promote patriotism in the young minds of our students, the college has been rightly named as Bharath College of Science and Management.

The vision of the college is to provide an idyllic environment of affection and care in the pursuit of knowledge. To contribute the excellence in technical education, scientific and research; to serve as a valuable resource for industry and society and remain a source of pride for inclusive growth of the society.

About the Department

The Department Computer Science, was started in the year 2001. The academic activities of the departments are centered on teaching, seminar, workshops, physical activities., etc. completing a degree in Computer Science, Information Technology & Computer

Applications provides you a sense of accomplishment, career satisfaction and endless possibilities. The department strives to impart knowledge and enlighten the students in terms of all avenues and admit a diverse, talented and promising student body and prepare them for the competitive world and to fight for what they want.

The Department Association **"BHARATH PHEONIX ASSOCIATION"** to motivate and inculcate our younger generation about the innovation and challenges in computer science, by conducting the seminar, workshop, training program for both UG & PG students.

Mission and Vision

Impart knowledge and enlighten the students in all avenues pertaining to computer science. Provide a firm foothold into the I.T. industries. Inculcate professional excellence logical thinking and analytical ability by giving exposures to application-oriented education. Focus on inculcating ethical value to the students.

About the Seminar

This session focuses on the basic concepts of Cloud Computing virtualization and computer networks. It also focuses on understanding what is known as cloud

computing, virtualization, understanding cloud computing types and cloud service deployment models.

Invited participants

- Faculties
- UG & PG Students

Registration

The registration can be done on spot. All Correspondence regarding the seminar can be sent to

Prof. R. SUMITHRA, M.C.A., M. Phil.,
Organizing Chair

Mobile: 9442177963

E-mail: besmcsdept@gmail.com

Phone: 04362 – 227937, 228081

www.bharathcollege.edu.in

bharathcollege@gmail.com

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT,

(UGC Recognized 2(f) and 12(B) Institution)

(Affiliated to Bharathidasan University, Trichycamp-24)

PG DEPARTMENT OF COMPUTER SCIENCE

IN ASSOCIATION WITH IQAC

Organizes

ONE DAY SEMINAR ON

RECENT TRENDS IN CLOUD COMPUTING AND VIRTUALIZATION

AGENDA

DATE : 12.03.2021

VENUE: SEMINAR HALL.

Prayer song

:

By Students

Welcome Address

:

Mr. M. Zafar Ali, I M.Sc. (C.S),

Bharath College of Science and Management, Thanjavur.

Felicitation

:

Dr. T. Veerasamy,

Director, Bharath College of Science and Management,

Thanjavur.

:

Dr. K. Kumar, M.Com, MBA, M.Phil, Ph.D.,

Principal, Bharath College of Science and Management,

Thanjavur.

Presidential Address

:

Mrs. Punitha Ganesan, B.Sc, M.A.,

Secretary, Bharath College of Science and Management,

Thanjavur.

Chief Guest Introduction

:

Mr. S. Ravish, III B.Sc. (CS),

Bharath College of Science and Management, Thanjavur.

Keynote Address

:

Dr. B. Jeevarani,

Assistant Professor & Head,

Department of Computer Science,

Rajah's College, Thiruvaiyaru.

Vote of Thanks

:

Ms. K. Nasrin Banna, I M.Sc. (CS),

Bharath College of Science and Management, Thanjavur.

NATIONAL ANTHEM

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT

(UGC Recognized 2(f) & 12(B) Institution)

THANJAVUR-5

PG DEPARTMENT OF COMPUTER SCIENCE

ONE DAY SEMINAR ON RECENT TRENDS IN CLOUD COMPUTING AND VIRTUALIZATION

LIST OF PARTICIPANTS

DATE: 12.03.2021

S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
1	CB20S 199597	ABDUL BASITH M	Abdul Basith M
2	CB20S 199598	ABISHK. S	Abishk. S
3	CB20S 199599	AJITH KUMAR V	Ajith. V
4	CB20S 199600	AKASH L	Akash L.
5	CB20S 199601	ARAVINTHAN V	Aravintan V.
6	CB20S 199602	BALAMURUGAN S	Balamurugan S
7	CB20S 199603	DEENADAYALAN P	Deena P
8	CB20S 199604	JAMES ANTONY SAHAYARAJ S	James S
9	CB20S 199605	JAMES KUMAR P	James P.
10	CB20S 199606	JAYASABARI G	Jayasabarin G
11	CB20S 199607	JENIFAR JOSPHINE RANI S	Jenifer S
12	CB20S 199608	JOSEWACHRISTOPHERRAJ B	Joseph B
13	CB20S 199609	KABILESH M J	Kabilesh M J
14	CB20S 199610	KARTHIK RAJA B	Karthik Raja B
15	CB20S 199611	MOHAMED ASHIK K	Mohamed Ashik K
16	CB20S 199612	MUTHURAMAN M	Muthuraman M



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
17	CB20S 199613	NITHISH. N	<i>N. D. Nithish</i>
18	CB20S 199614	NIVAS. S	<i>Nivas S.</i>
19	CB20S 199615	PANDEESWARL. G	<i>Pandeeswarl. G</i>
20	CB20S 199616	PERVEASH MOHAMED. N	<i>Mohamed. N</i>
21	CB20S 199617	PRASANTH. R	<i>Prasanth R.</i>
22	CB20S 199618	PRIYANKA. E	<i>Priyanka E.</i>
23	CB20S 199619	SALMAN FARAS. S	<i>Faras S.</i>
24	CB20S 199620	SANDHIYA. R	<i>Sandhiya R.</i>
25	CB20S 199621	SATHISH KUMAR. V	<i>Sathish Kumar.</i>
26	CB20S 199622	SATHIVASEELAN. M	<i>Sathivaseelan.</i>
27	CB20S 199623	SHARMILA. M	<i>Sharmila M.</i>
28	CB20S 199624	SIVANESHWARAN. R	<i>Sivasubramanian.</i>
29	CB20S 199625	SIVAYALINI. P	<i>Sivayalini P.</i>
30	CB20S 199626	SOBIKA. J	<i>Sobika J.</i>
31	CB20S 199627	SOWMIYA. L	<i>Sowmya L.</i>
32	CB20S 199628	THAMILMANI. B	<i>Thamilmani B.</i>
33	CB20S 199629	VIGNESH KUMAR. M	<i>Vignesh Kumar.</i>
34	CB19S 193606	ADITHYAN. R	<i>Adithyan R.</i>
35	CB19S 193607	AHAMED NIYAS. A	<i>Niyas A.</i>
36	CB19S 193608	AMARESHWAR. PS	<i>Amareshwar PS.</i>
37	CB19S 193609	ANANDAN. K	<i>Anandan K.</i>



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
38	CB19S 193610	ANTORAGUNATH P	Gnanath P
39	CB19S 193611	BALAJI.V.R	Balaji.e.
40	CB19S 193612	BHARATHI. B. R. S	Bharathi.
41	CB19S 193613	BOOMINATHAN. R	boomin.r
42	CB19S 193614	BHUVANESH. A	Bhuvana A
43	CB19S 193615	DEVARAJAN. S	Devarajan
44	CB19S 193616	ELAVARSAN. A	Elavarasana A
45	CB19S 193617	ELAVARSAN. K	Elavarasan.k.
46	CB19S 193618	EZHILARASAN. G	Ezhil.g
47	CB19S 193619	GNANASUNDHARI. R	Gnanasundha
48	CB19S 193620	GOMATHI. R	Gomathi.e.
49	CB19S 193621	JAYAPRIYAN. J	Jayapriyent
50	CB19S 193622	JAGADESH. P	Jagadesh.p
51	CB19S 193623	KARTHIK KUMAR. J.M.	Kumar Jm
52	CB19S 193624	KARTHIK. S	Karthik.S
53	CB19S 193625	KARTHIKEYAN. K	Karthik.k
54	CB19S 193626	KASI. S	Kasi. s
55	CB19S 193627	KATHIRVEL. G	Kathirvel.g
56	CB19S 193628	KIRUBAKARAN. M	Kiruba m
57	CB19S 193629	MADHUBALA. B	Madhubala
58	CB19S 193630	MAHESWARAN. K	Mahesh.k



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
59	CB19S 193631	MANIKANDAN. M	Mani. M
60	CB19S 193632	MANIKATHAVYANTHIL. M	mani. M
61	CB19S 193633	MANOJKUMAR. S	Manojk. S
62	CB19S 193634	MOHAMED HAKKIM MOHSIN. M	Hakkin. M
63	CB19S 193635	MUKESH KANNAN. M	Manman. M
64	CB19S 193636	MUKILAN. P	Mukilan. P.
65	CB19S 193637	PRABAKAR. L	Prabakar. L
66	CB19S 193638	PRAVEEN KUMAR. R	Praveen. R
67	CB19S 193639	RACHSON. S	Rachson. S.
68	CB19S 193640	RAGUVARAN. R	Raguv. R
69	CB19S 193641	RANJITH. R	Ranjith. R.
70	CB19S 193642	ROHIN AMALA RAJ. R	Rohin. R
71	CB19S 193643	SABARISH. S	Sabarish. S.
72	CB19S 193644	SANTHOSH. S	Santhosh. S.
73	CB19S 193645	SATHISH KUMAR. M	Sath.
74	CB19S 193646	SHAHUL HAMEED. A	Shameel
75	CB19S 193647	SIVA. N	Siva. N.
76	CB19S 193648	SIVASURIYA. P	Siva. P.
77	CB19S 193649	SORNA. P. V	Sorna. P. V
78	CB19S 193650	URUMAIVA. V	Urumaiva
79	CB19S 193651	VENKATRAJ. B	Venkatraj.



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
80	CB19S 193652	VIGNESH R	Vignesh R.
81	CB19S 193653	VIGNESH S	Vignesh S
82	CB18S 187996	AAKASH M	Aakash M.
83	CB18S 187997	ABISHEK S	Abhishek S.
84	CB18S 187998	ARUNPRASATH A	Arunprasad A.
85	CB18S 187999	BARATH G	Barath G.
86	CB18S 188000	BARATHKISHORE M J	B. J. B.
87	CB18S 188001	CHANDRU K	Chandru K.
88	CB18S 188002	ESWARAN P	Eswaran P.
89	CB18S 188003	FYROSE AHAMED. M Y	Fyrose M.
90	CB18S 188004	HAKKIM MOHAMED A	Hakkim Mohamed
91	CB18S 188006	HARIHARAN R	Hariharan R.
92	CB18S 188007	KARTHIKEYAN N	Karthikeyan N.
93	CB18S 188008	KAVIYA S	Kaviya S.
94	CB18S 188009	MADHUMITHA R	Madhumitha R.
95	CB18S 188010	MUKESH K	Mukesh K.
96	CB18S 188011	NANDHA KUMAR M	Nandha Kumar.
97	CB18S 188012	NANTHA KUMAR S	Nanthan S.
98	CB18S 188013	POOJA S	Pooja S.
99	CB18S 188014	PRADEEP R	Pradeep R.
100	CB18S 188015	PRAVEEN C	Praveen C.



S.NO	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
101	CB18S 188016	PRAVEENKUMAR. M	<i>Praaveen Kumar</i>
102	CB18S 188017	PRITHIVIRAJ. R	<i>Prithviraj. R.</i>
103	CB18S 188018	RAVISH. S	<i>Ravish S.</i>
104	CB18S 188019	SABEER AHAMED.S	<i>Sabeer Ahmed S.</i>
105	CB18S 188020	SANTHOSH. K	<i>Santhosh K.</i>
106	CB18S 188022	SUJITH. P	<i>Sujith P.</i>
107	CB18S 188023	VENGATESHAN. S	<i>Vengateshan S.</i>
108	CB18S 188024	VIGNESH. A	<i>Vignesh A.</i>
109	CB18S 188025	VISHNU PRAKASH. R	<i>Vishnu Prakash R.</i>
110	P 20273405	ARJUN. K	<i>Arjun K.</i>
111	P 20273406	AYSHWARYA. P	<i>Ayshwarya P.</i>
112	P 20273407	BRINDHA. R	<i>Brindha R.</i>
113	P 20273408	DIVAGAR. R	<i>Divagar R.</i>
114	P 20273409	ELANGO VAN. V	<i>Elango van.</i>
115	P 20273410	GOKILAN. T	<i>Gokila T.</i>
116	P 20273411	GRACE ROMALD BRITTO. A	<i>Grace Romald B.</i>
117	P 20273412	GUHAN. S	<i>Guhan S.</i>
118	P 20273413	HARISH. R	<i>Harish R.</i>
119	P 20273414	JAGADEESH SAGAR. K	<i>Jagadeesh Sagar K.</i>
120	P 20273415	KARTHIK. T	<i>Karthik T.</i>
121	P 20273416	KARTHIKA. S	<i>Karthika S.</i>



BHARATH COLLEGE OF SCIENCE AND MANAGEMENT,

THANJAVUR - 5

(UGC Recognized 2(f) & 12(B) Institution)

(Affiliated to Bharathidasan University, Tiruchirappalli - 24)

PG DEPARTMENT OF COMPUTER SCIENCE

REPORT



PG Department of Computer Science in Association IQAC organized one day seminar on **“Recent Trends in Cloud Computing & Virtualization”** sponsored by Kaixa Education and Technologies, Thanjavur on 12th March 2021 at seminar hall. Totally 161 students have participated and get benefited. Dr. B. Jeevarani, Assistant Professor & Head, Department of Computer Science, Rajah's College, Thiruvaiyaru has invited as the resource person. The program was presided over by Mrs. Punitha Ganesan, B.Sc., M.A., Secretary, Bharath Group of Institutions. The program started with prayer song. Then welcome address was delivered by the student Mr. M. Zafar Ali, from II M.Sc. (CS). Dr. T. Vetransamy, Director and Dr. K. Kumar, M.Com., M.Phil., M.B.A., NET, Ph.D., Principal, Bharath College of Science and Management, Thanjavur, felicitated the program. Mr. S. Ravish from III B.Sc. (CS) has presented his chief guest introduction. The resource person discussed about her views on the overview of cloud computing and virtualization, the provision of the cloud computing capabilities and constraints that comes with it. Ms. K. Nasrin Baanu from I M.Sc. (CS) delivered his vote of thanks. The program has concluded with National Anthem.



PRINCIPAL

Bharath College of Science and Management

Bharath Avenue (Near New Bus Stand)

THANJAVUR - 613 005.



Bharath College of Science and Management
(UGC Recognized 2(f) & 12(B) Institution)
Affiliated to Bharathidasan University, Tiruchirappalli.
Thanjavur - 613005.

PG Department of Computer Science

In Association with IQAC

Organizes

One Day Workshop on

**"Emerging Technologies for
Authorization and Authentication"**

PRESIDED OVER BY

RESOURCE PERSON

Mrs. PUNITHA GANESAN, B.Sc.,

Dr. U. Dural,

Secretary

Assistant Professor & Head

BCSM, Thanjavur-05

Department of Computer Science,

Tamilavel Umamaheswarar Arts

College, Karanthai,

FELICITATION

Dr. T. VEERASAMY,

Dr. K. KUMAR,

Director

Principal

Bharath College of Science

Bharath College of Science

and Management

and Management

Thanjavur-05

Thanjavur-05

Sponsored by KAISA EDUCATION

Date: 19.05.2022

Venue: Seminar Hall

ALL ARE CORDIALLY INVITED

**BHARATH COLLEGE OF SCIENCE AND
MANAGEMENT**

THANJAVUR-613005, TAMIL NADU

**ONE DAY WORKSHOP ON
EMERGING TECHNOLOGIES FOR
AUTHORIZATION AND AUTHENTICATION**

AGENDA

TIME: 11.30 AM

PRAYER SONG:

BY STUDENTS

WELCOME ADDRESS:

BY STUDENT

FELICITATION:

**1. Dr. T. VEERASAMY,
DIRECTOR, BCSM**

**PRESIDENTIAL
ADDRESS:**

**2. Dr. K. KUMAR,
PRINCIPAL, BCSM**

**Mrs. PUNITHA GANESAN, M.A.,
SECRETARY,
BHARATH GROUP OF
INSTITUTIONS,
THANJAVUR**

**CHIEF GUEST
INTRODUCTION:**

BY STUDENT

KEY NOTE ADDRESS:

**Dr. U. DURAL,
ASST. PROF. IN CS,
TUK ARTS COLLEGE,
THANJAVUR**

VOTE OF THANKS:

BY STUDENT

NATIONAL ANTHEM:

BY ALL

ORGANIZING COMMITTEE

CHIEF PATRON

Mrs. PUNITHA GANESAN, B.Sc., M.A.,
Secretary,
Bharath Group of Institutions, Thanjavur.

PATRON

Dr. T. VEERASAMY, M.A., M.Phil, Ph.D.,
Director, Bharath College of Science & Management,
Thanjavur -5

Dr. K. KUMAR, M.Com., M.Phil, M.B.A., NET., Ph.D.,
Principal, Bharath College of Science & Management,
Thanjavur -5

ORGANIZING CHAIR

Prof. R. SUMITHRA, M.C.A., M. Phil.,
Asst. Prof. & Head,
PG Dept of COMPUTER SCIENCE

ORGANIZING COORDINATORS

- 1. Prof. S. VIGNESH, M.Sc., M. Phil.,**
Assistant Professor (CS)
- 2. Prof. N. ANU, B.E.,**
Assistant Professor (CS)
- 3. Prof. L. PAPITHA, M.Sc., M.Phil.,**
Assistant Professor (CS)



**BHARATH COLLEGE OF SCIENCE
AND MANAGEMENT**

(UGC Recognized 2iU & 12iB Institution)
(Affiliated to Bharathidasan University, Tiruchirappalli)
Thanjavur-613005, Tamil Nadu, India

**ONE DAY WORKSHOP ON
EMERGING TECHNOLOGIES FOR
AUTHORIZATION AND AUTHENTICATION
19TH MAY 2022**

Organized By

**PG DEPARTMENT OF COMPUTER SCIENCE
IN ASSOCIATION WITH IQAC
RESOURCE PERSON**

Dr. U. DURAL,

ASSISTANT PROFESSOR & HEAD,
DEPARTMENT OF COMPUTER SCIENCE,
TAMILVEL UMAMAHESWARANAR ARTS COLLEGE,
THANJAVUR

SPONSORED BY

KAISA EDUCATION AND TECHNOLOGIES

About the College

Bharath College of Science and Management affiliated to Bharathidasan University, Tiruchirappalli is functioning from the academic year 2000-2001. Bharath College is a self - financing college run by K. Nadimuthu Memorial Educational Trust and sanctioned by the Government of Tamilnadu vide G.O.No.168, Higher Education dt. 30.05.2000.

To promote patriotism in the young minds of our students, the college has been rightly named as Bharath College of Science and Management.

The vision of the college is to provide an idyllic environment of affection and care in the pursuit of knowledge. To contribute the excellence in technical education, scientific and research, to serve as a valuable resource for industry and society and remain a source of pride for inclusive growth of the society.

About the Department

The Department Computer Science, was started in the year 2001. The academic activities of the departments are centered on teaching, seminar, workshops, physical activities, etc, completing a degree in Computer Science, Information Technology & Computer

Applications provides you a sense of accomplishment, career satisfaction and endless possibilities. The department strives to impart knowledge and enlighten the students in terms of all avenues and admit a diverse, talented and promising student body and prepare them for the competitive world and to fight for what they want.

The Department Association "**BHARATH PHEONIX ASSOCIATION**" to motivate and inculcate our younger generation about the innovation and challenges in computer science, by conducting the seminar, workshop, training program for both UG & PG students.

Mission and Vision

Impart knowledge and enlighten the students in all avenues pertaining to computer science. Provide a firm foothold into the I.T. industries. Inculcate professional excellence logical thinking and analytical ability by giving exposures to application-oriented education. Focus on inculcating ethical value to the students.

About the Workshop

The seminar on Emerging Technologies in Authorization and Authentication aims at being the security active in the field of new technologies for the authentication of users and

devices, and for the enforcement of security policies in new and emerging application and environments.

Invited participants

- Faculties
- UG & PG Students

Registration

The registration can be done on spot. All Correspondence regarding the seminar can be sent to

Prof. R. SUMITHRA, M.C.A., M. Phil,
Organizing Chair

Mobile: 9442177963

E-mail: bcsmcsdept@gmail.com

Phone: 04362 – 227937, 228081

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PG DEPARTMENT OF COMPUTER SCIENCE

IN ASSOCIATION WITH IQAC

Organizes

ONE DAY WORKSHOP ON

EMERGING TECHNOLOGIES FOR AUTHORIZATION AND AUTHENTICATION

AGENDA

DATE : 19.05.2022

VENUE: SEMINAR HALL

- Prayer song** : By Students
- Welcome Address** : Ms. K. Nasrin Baanu, II M.Sc. CS,
Bharath College of Science and Management, Thanjavur.
- Felicitation** : Dr. T. Veerasamy,
Director, Bharath College of Science and Management,
Thanjavur.
- : Dr.K.Kumar,M.Com., MBA., M.Phil., Ph. D.,
Principal, Bharath College of Science and Management,
Thanjavur.
- Presidential Address** : Mrs. G. Punitha Ganesan. B.Sc., M.A.,
Secretary, Bharath College of Science and Management,
Thanjavur.
- Chief Guest Introduction** : Ms. P. V. Sorna, III B.Sc. CS,
Bharath College of Science and Management, Thanjavur.
- Keynote Address** : Mr. U. Durai
Assistant Professor & Head in Computer Science,
TUK Arts College, Karanthai.
- Vote of Thanks** : Ms. N. Sri Gayathri, I M.Sc., CS,
Bharath College of Science and Management,
Thanjavur.

NATIONAL ANTHEM

BHARATH COLLEGE OF SCIENCE AND MANAGEMENT

(UGC Recognized 2(f) & 12(B) Institution)

THANJAVUR-5

PG DEPARTMENT OF COMPUTER SCIENCE

ONE DAY WORKSHOP ON EMERGING TECHNOLOGIES FOR AUTHORIZATION AND
AUTHENTICATION

LIST OF PARTICIPANTS

DATE: 19.05.2022

S.NO.	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
1	CB21S 204998	ABINAYA R	R. Abinaya
2	CB21S 204999	ANTORAGUNATH P	Abinath. P.
3	CB21S 205000	ARAVIND K	ARAVIND K
4	CB21S 205001	ARUN S	S. Arun S...
5	CB21S 205002	AYYAPAN D	Ayyapan D
6	CB21S 205003	BALAN P	Balan P
7	CB21S 205004	BUSHRA FATHIMA J	Bushra Fathima J
8	CB21S 205005	CHRISTOPHER RAJA R	Ch. Rajar R.
9	CB21S 205006	DEEPA M	Deepa M
10	CB21S 205007	DHINAKARAN R	Dhinakaran R
11	CB21S 205008	DINESH S	Dinesh S
12	CB21S 205009	IMTHIYAS I	Imthiyas I
13	CB21S 205011	KARTHIKESAN K	Karthi K
14	CB21S 205012	KATHIRESAN G	Kathiresan G
15	CB21S 205013	KEERTHANA R	R. Keerthana
16	CB21S 205015	MEKALA B	Mekala B



S.NO.	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
17	CB21S 205016	MOHAMED ABBAS J	<i>Mohamed Abbas J.</i>
18	CB21S 205017	MOHAMED ARSATH B	<i>Mohamed Arsath B.</i>
19	CB21S 205018	MOHAMED ASHIK A	<i>Md Ashik A.</i>
20	CB21S 205019	MUNIYAMUTHU S	<i>Muniyathu S.</i>
21	CB21S 205020	PHLIX. C	<i>Phelix C.</i>
22	CB21S 205021	RAJKUMAR S	<i>Phelix C.</i>
23	CB21S 205022	ROHITH R	<i>Phelix C.</i>
24	CB21S 205023	SADAM USSEN J	<i>Rohith R.</i>
25	CB21S 205025	SANTHOSH KUMAR K	<i>Sadam Usse J.</i>
26	CB21S 205026	SATHASIVAM R	<i>Santhosh Kumar K.</i>
27	CB21S 205027	SATHIYANARAYANAN S	<i>Sathasivam R.</i>
28	CB21S 205029	THULASI SANKAR G	<i>Sathiyarayan S.</i>
29	CB21S 205030	UKESH K	<i>Thulasi Sankar G.</i>
30	CB21S 205031	VARSHA KANNAN	<i>Ukesh K.</i>
31	CB21S 205032	VISHNU I	<i>V. K.</i>
32	CB21S 205033	YUGESH A	<i>Vishnu I.</i>
33	CB20S 199598	ABISHEK. S	<i>Yugesh A.</i>
34	CB20S 199599	AJITH KUMAR. V	<i>Abhishek S.</i>
35	CB20S 199600	AKASH. L	<i>Ajith Kumar V.</i>
36	CB20S 199601	ARAVINTHAN. V	<i>Akash L.</i>
37	CB20S 199602	BALAMURUGAN. S	<i>Aravintan V.</i>
			<i>Balamurugan S.</i>

S.NO.	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
38	CB20S 199603	DEENADAYALAN. P	DEENADAYALAN. P
39	CB20S 199604	JAMES ANTONY SAHAYARAJ. S	JASul.
40	CB20S 199605	JAMES KUMAR. P	James kumar.
41	CB20S 199606	JAYASABARI. G	YASABARI. G
42	CB20S 199608	JOSEWACHRISTOPHERRAJ. B	Josew. B
43	CB20S 199609	KABILESH. M. J	KABILESH. M. J
44	CB20S 199610	KARTHIK RAJA. B	KARTHIK
45	CB20S 199611	MOHAMED ASHIK. K	MOHAMED ASHIK. K
46	CB20S 199612	MUTHURAMAN. M	MUTHURAMAN. M
47	CB20S 199613	NITHISH. N	NITHISH. N
48	CB20S 199615	PANDEESWARI. G	Pandeeswari. G
49	CB20S 199616	PERVEASH MOHAMED .N	Perveash Mohamed .N
50	CB20S 199617	PRASANTH. R	PRASANTH. R
51	CB20S 199618	PRIYANKA. E	Priyanka. E
52	CB20S 199619	SALMAN FARAS. S	S. Salman.
53	CB20S 199621	SATHISH KUMAR. V	V. Sathish
54	CB20S 199622	SATHYASEELAN. M	Sathyaseelan. M
55	CB20S 199623	SHARMILA. M	Sharmi / a. M.
56	CB20S 199624	SIVANESHWARAN. R	SIVANESHWARAN
57	CB20S 199625	SIVAYALINI. P	Sivayalini. P
58	CB20S 199626	SOBIKA. J	SOBIKA. J

S.NO.	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
59	CB20S 199627	SOWMIYA. L	<u>Sowmiya L</u>
60	CB20S 199628	THAMILMANI. B	<u>B. Thamil</u>
61	CB20S 199629	VIGNESH KUMAR. M	<u>M. Vignesh Kumar</u>
62	CB19S 193606	ADHITHYA. R	<u>ADHITHYA R</u>
63	CB19S 193607	AHAMED NIYAS. A	<u>Ahamed. niyas. A</u>
64	CB19S 193608	AMARESHWAR. PS	<u>Amareshwar. PS</u>
65	CB19S 193611	BALAJI.V.R	<u>Balaji.V.R</u>
66	CB19S 193613	BOOMINATHAN. R	<u>BOOMINATHAN R</u>
67	CB19S 193614	BHUVANESH. A	<u>Bhuvanesh. A</u>
68	CB19S 193615	DEVARAJAN. S	<u>devarajan. s</u>
69	CB19S 193616	ELAVARSAN. A	<u>A. Elavarasan</u>
70	CB19S 193617	ELAVARSAN. K	<u>Elavarasan. k</u>
71	CB19S 193618	EZHILARASAN. G	<u>Ezhilarasan G</u>
72	CB19S 193619	GNANASUNDHARI. R	<u>Gnanasundhari. R</u>
73	CB19S 193620	GOMATHI. R	<u>Gomathi. R</u>
74	CB19S 193621	JAYAPRIYAN. J	<u>J. JAYAPRIYAN</u>
75	CB19S 193622	JAGADESH. P	<u>Jagadeesh. P</u>
76	CB19S 193623	KARTHIK KUMAR. J.M.	<u>Karthik kumar. J.M.</u>
77	CB19S 193624	KARTHIK. S	<u>S. Karthik</u>
78	CB19S 193625	KARTHIKEYAN. K	<u>KARTHIKEYAN K</u>
79	CB19S 193627	KATHIRVEL. G	<u>Kathirvel. G</u>

S.NO.	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
80	CB19S 193628	KIRUBAKARAN. M	M. Kirubakaran
81	CB19S 193629	MADHUBALA. B	Am MB
82	CB19S 193630	MAHESWARAN. K	Maheswaran
83	CB19S 193631	MANIKANDAN. M	Manikandan
84	CB19S 193632	MANIKATHAYANITHI. M	Manikathayanithi
85	CB19S 193633	MANOJKUMAR. S	Manoj Kumar S
86	CB19S 193634	MOHAMED HAKKIM MOHSIN. M	Mohamed Hakkim Mohsin
87	CB19S 193635	MUKESH KANNAN. M	Mukesh Kannan
88	CB19S 193636	MUKILAN. P	Mukilan
89	CB19S 193637	PRABAKAR. L	Prabakar
90	CB19S 193638	PRAVEEN KUMAR. R	Praveen Kumar
91	CB19S 193639	RACHSON. S	Rachson
92	CB19S 193640	RAGUVARAN. R	Raguvaran
93	CB19S 193641	RANJITH. R	Ranjith
94	CB19S 193642	ROHIN AMALA RAJ. R	Rohin Amala Raj
95	CB19S 193643	SABARISH. S	Sabarish
96	CB19S 193644	SANTHOSH. S	Santhosh
97	CB19S 193645	SATHISH KUMAR. M	Sathish Kumar
98	CB19S 193646	SHAHUL HAMEED. A	Shahul Hameed
99	CB19S 193647	SIVA. N	Siva
100	CB19S 193648	SIVASURIYA. P	Sivasuriya

S.NO.	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
101	CB19S 193649	SORNA. P. V	Sorna P.V.
102	CB19S 193650	URUMAIYA. V	Urumaiya V
103	CB19S 193651	VENKATRAJ. B	Venkatraj B
104	CB19S 193652	VIGNESH. R	Vignesh R
105	CB19S 193653	VIGNESH. S	Vignesh S
106	P 21272625	ABDUL RAHMAN. L	Abdul Rahman L
107	P 21272626	AKSHAYA. R	Akshaya R
108	P 21272627	ARNALD. R	Arnald R
109	P 21272628	ATSHAYA. G	Atshaya G
110	P 21272629	LIVINGSTON. D	Livingston D
111	P 21272630	PRAVEENKUMAR. M	Praveen Kumar M
112	P 21272631	PREMKUMAR. R	Prem Kumar R
113	P 21272632	RAGU. R	Ragu R
114	P 21272633	RANJANI. R	Ranjani R
115	P 21272634	SRI GAYATHRI. N	Sri Gayathri N
116	P 21272635	SURENTHIRANATH. N	Surenthiranath N
117	P 21272636	TANUSHIYA. M	Tanushiya M
118	P 21272637	YOGESHWARAN. R	Yogeshwaran R
119	P 20273405	ARJUN. K	Arjun K
120	P 20273406	AYSIIWARYA. P	Aysiiwarya P
121	P 20273407	BRINDHA. R	Brindha R

S.NO.	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
122	P 20273408	DIVAGAR. R	Divagar R
123	P 20273409	ELANGO VAN. V	Elango van V
124	P 20273410	GOKILAN. T	Gokilan T
125	P 20273411	GRACE ROMALD BRITTO. A	Grace Romald Britto A
126	P 20273412	GUHAN. S	Guhan S
127	P 20273413	HARISH. R	Harish R
128	P 20273414	JAGADEESH SAGAR. K	Jagadeesh Sagar K
129	P 20273415	KARTHIK. T	Karthik T
130	P 20273416	KARTHIKA. S	Karthika S
131	P 20273417	KRISHNAPRIYA. K	Krishnapriya K
132	P 20273418	NANCY BRINTHA. I	Nancy Brintha I
133	P 20273419	NASRIN BAANU. K	Nasrin Baanu K
134	P 20273420	PREETHI BAI. R	Preethi Bai R
135	P 20273421	PRIYANKA. K	Priyanka K
136	P 20273422	PUGALENDI. A	Pugaleendi A
137	P 20273423	RAJESH. R	Rajesh R
138	P 20273424	RAMANI. S	Ramani S
139	P 20273425	RUTHRALINGAM. P	Ruthralingam P
140	P 20273426	SAKTHIVEL. K	Sakthivel K
141	P 20273427	SANTHOSH KUMAR. P	Santhosh Kumar P
142	P 20273428	SATHISH KUMAR. S	Sathish Kumar S

S.NO.	REG. NO	NAME OF THE PARTICIPANT	SIGNATURE
143	P 20273429	SATHISH RAJ. A	Sathish Raj. A.
144	P 20273430	SATHYA NARAYANAN. V	Sathya Narayan. V.
145	P 20273431	SUGANYA. G	Suganya. G.
146	P 20273432	SYED MOHAMED. S	Syed Mohamed. S.
147	P 20273433	VAIRAVAN. S. T	Vairavan. S. T.
148	P 20273434	VEERAMANI. M	Veeramani. M.
149	P 20273435	VIJAY. A	Vijay. A.



[Signature]
PRINCIPAL
 Bharath College of Science and Management
 Bharath Avenue (Near New Bus Stand)
 THANJAVUR - 613 005.

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THANJAVUR - 5**

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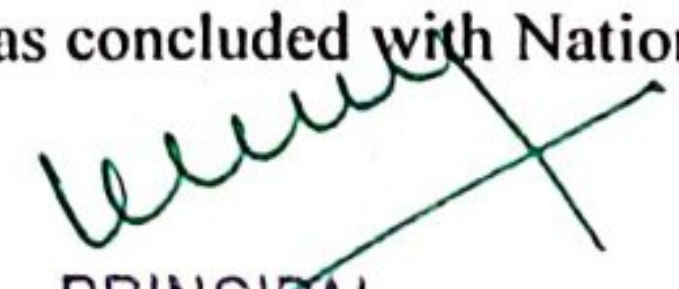
PG DEPARTMENT OF COMPUTER SCIENCE

REPORT



PG Department of Computer Science in Association IQAC organized one day workshop on “Emerging Technologies for Authorization and Authentication” sponsored by Kaisa Education and Technologies, Thanjavur on 19th May 2022 at seminar hall. Totally 149 students have participated and get benefitted. Dr. U. Durai, Assistant Professor & Head, Department of Computer Science, TUK Arts College, Thanjavur has invited as the resource person. The program was presided over by Mrs. Punitha Ganesan, B.Sc., M.A., Secretary, Bharath Group of Institutions. The program started with prayer song. Then welcome address was delivered by the student Ms. K. Nasrin Baanu, from II M.Sc. (CS). Dr. T. Veerasamy, Director and Dr. K. Kumar, M.Com., M.Phil., M.B.A., NET, Ph.D., Principal, Bharath College of Science and Management, Thanjavur, felicitated the program. Ms. Sorna. P. V. from III B.Sc. (CS) has presented his chief guest introduction. The resource person presented the latest technologies that handle all or some of the aforementioned problems. He explained about the topics like privacy issues in authentication, limitations of federated identity systems, Advances in block chain technology and their limitations, usability of authenticators, Authentication and identity management systems in general. Ms. N. Sri Gayathri from I M.Sc. (CS) delivered his vote of thanks. The program has concluded with National Anthem.




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Bharath College of Science and Management