ALAGAPPA UNIVERSITY

(A State University Established in 1985)

KARAIKUDI - 630 003, Tamil Nadu, India

ALAGAPPA INSTITUTE OF SKILL DEVELOPMENT

in association with

Institution's Innovation Council

INSTITUTION'S INNOVATION COUNCIL
(Ministry of HRD Initiative)

TECHFEST 2.0 2021

National Level Virtual Symposium

DECEMBER
22
23
2 0 2 1

Inaguration live link : https://youtu.be/3UYB1qUqjvg

Registration link:

www.aluaisd.in

About the University

Alagappa University is located at Karaikudi in Tamil Nadu. This University has emerged from the galaxy of institutions initially founded by the great philanthropist and educationist Dr. RM. Alagappa Chettiar during 1950's. Alagappa University was brought into existence by an Act of the Tamil Nadu State Legislative Assembly in May 1985 with the objective of fostering research, development and dissemination of knowledge in various branches of learning. Alagappa University is recognized by the University Grants Commission (UGC) of India.

The University has 44 Departments, 9 Centres and 2 Constituent Colleges on its campus. 46 Affiliated Colleges located in the districts of Sivaganga and Ramanathapuram are part of the University.

Alagappa University has achieved many milestones. A few of them are as under;

- Obtained A+ Grade with CGPA of 3.64 grading by the National Assessment and Accreditation Council (NAAC). Alagappa University is the first State University in Tamil Nadu to obtain the A+ grade.

- Obtained Category–I status by the MHRD-UGC and occupies 2nd place out of 12 State Universities with Category-I Status in the Country. It is the only State University in Tamil Nadu obtained the Category-I Status.

- Obtained Autonomy status (one among 60 Institutions in the country announced by MHRD (MoE).

- Secured 33rd position among Universities in National Institutional Ranking Framework (NIRF) 2021 ranking.

- Secured 24th position in QS India Ranking in 2021,

- It is the only University in Tamil Nadu which has been sanctioned Rs.100 crores under MHRD - RUSA 2.0 Scheme.

About the Department

Alagappa Institute of Skill Development (AISD) has been established to offer skill courses that are consistent with National Skills Qualification Framework (NSQF) and National Occupational Standards (NOS). AISD is offering employment linked **Vocational programmes varying from Certificate to Post-Graduate Degree across several sectors,** such as, Fashion / Garment Technology, IT/ITeS, CNC Machine Operation, Advanced Welding, Healthcare, Electrical, Solar Power, Mechatronics. To scale up the Skill Development, Innovation, Entrepreneurship services of the University to a larger extent, under the RUSA 2.0 scheme, Entrepreneurship, Innovation and Career Hub (EIC Hub) was established under AISD. This was digitally launched by our Hon'ble Prime Minister on 03.02.2019.

Through our AISD, we are offering two UG-B.Voc. & PG-M.Voc. Programmes (1. Fashion Technology and 2. Software Development) since 2014-15. Besides this, AISD is offering PG Diploma in Big Data Analytics. From February 2021, we are offering PG Diploma in Cyber Security (one year programme). We have signed Cyber Security focused MoUs with CompTIA, New Delhi and HebeSec Technologies, Chennai. An R&D Centre for Cyber Security (Alagappa University – HebeSec R&D Centre (AU-HRC)) was also established in the AISD premises

About Techfest 2.0

Techfest 2.0, a national-level virtual symposium is one of the flagship events of Software Development, Alagappa Institute of skill Development, aimed at providing a premier platform for students to showcase their unique ideas, concepts, and trends in the field of computer science and technology. It was first initiated in the year 2018 on one day offline event with a list of 7 events, viz. Paper Presentation, Debugging, Web-Designing, Connexion, Quiz, Adzap, and Treasure Hunt.

We are immensely happy to announce that this **Techfest 2.0** will be conduct as a National-level Virtual Symposium during **December 22nd & 23rd 2021** with 8 events: Slideshow, Quiz Tie, Coding Sprint, Bonding, App-A-Thon, Poster Door, Theater Treat and Meme Book.

Organizing Committee

Chief-Patrons

Dr. D. Karthikeyan I.A.S
Convener – VC Officiating Committee
Principal Secretary to Government,
Department of Higher Education,
Government of Tamil Nadu.

Dr. R. Swaminathan
Syndicate Member,
Member - VC Officiating Committee &
Principal Vidhyaa Giri College of Arts & Science,
Puduvayal.

Dr. S. Karuppuchamy
Syndicate Member,
Member - VC Officiating Committee & Professor Head,
Department of Energy Science, Alagappa University.

Patron

Dr. C. Sekar
Registrar i/c

Advisor

Dr. B. Dharmalingam
Chair Professor, Pt. Deendayal Upadhyay Chair
& Advisor, AISD

Convener

Dr. G. Ilankumaran
Director i/c, Alagappa Institute of Skill Development

Program Coordinator

Dr. C. Balakrishnan
Assistant Professor, Alagappa Institute of Skill Development

Organizing Secretaries

Dr. P. Subhasri

Ms. K. Nithya Kalyani
Teaching Faculty, Alagappa Institute of Skill Development

Event Coordinators

Dr. B. Sugumar

Mr. S. Prabhakaran

Ms. S. Shanmuga priya

Ms. K. Maheswari
Teaching Faculty, Alagappa Institute of Skill Development

Technical Coordinator

Mr. C. Manikandan
Teaching Faculty, Alagappa Institute of Skill Development

Student Coordinators

Ms. A. Sindhu (II M.Voc. Software Development)

Ms. M. Muthu Jeyasri (I M.Voc. Software Development)

Mr. R. Karthick (III B.Voc. Software Development)

Mr. S. Arvind Kumar (II B.Voc. Software Development)

Program Schedule

Inauguration - 10.00 a.m

	22.12.2021			
			Round II	**Round III**
1.	**Slide Show**	11.00 a.m to 12.00 a.m		
2.	**App-A-Thon**	11.00 a.m to 4.00 p.m		
3.	**Theater Treat**	11.30 a.m to 12.15 p.m	2.00 pm to 2.45 pm	3.45 p.m to 4.30 p.m
4.	**Coding Sprint**	11.00 a.m to 11.45 a.m	3.00 pm to 3.45 p.m	--

	23.12.2021		
			Round II
1.	**QuizTie**	10.30 a.m to 11.15 a.m	12.15 p.m to 1.00 p.m
2.	**Bonding**	11.00 a.m to 11.45 p.m	2.15 p.m to 3.00 p.m
3.	**Poster Door**	11.00a.m to 1.00 pm	
4.	**Meme Book**	11.30 a.m to 12.30 p.m	

VALEDICTION AND PRIZE ANNOUNCEMENT AT (3.30 PM) ON 23rd DECEMBER

A Participant can participate in maximum of 3 events

Free Registration

Contact Deatils : +91 7418428638, +91 7010983455 Email ID: aisdtechfest@gmail.com

Slide Show
(Artistic pieces of paper)

Techfest 2.0 provides you a paper presentation platform in the name of Slide Show to unleash your talent by means of presentation and showcase your ideas in front of esteemed panel of Judges.

PPT should be based on anyone of the topic below:

1. Artificial Immune System
2. Augmented Reality
3. 5G Wireless Technology
4. iCloud
5. Blockchain Technology
6. CORBA
7. Pil1 Camera
8. Neural Interfacing
9. Cyborgs
10. Cloud Computing Services

Rules :

1. This event consists of one round.
2. A team can have 2 participants.
3. The presentation should be in 'ppt' / 'pptx' formats.
4. Participants can have maximum 15 slides for presentation.
5. The front page of presentation should contain participants Name, Programme, Year of Study, Department, Institute, Contact number, Title.
6. During the event, the participants are given 8 minutes to present their paper and 2 minutes for queries.
7. Participants should send their Presentation to aisdtechfest@gmail.com on or before (20.12.2021)
8. Selected participants will be intimated through their respective E-mail and they have to present their presentation in Google meet.
9. Time management will be strictly followed.
10. Decision of Judges and Techfest 2.0 organizing team will be final.

Event Coordinator
Dr. P. Subhasri
Student Coordinators
Ms. K. Pradeepa
Ms. K. Taj Femina

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App-A-Thon

Key for a Good Developer :

A big shout out to the curious developers out there, want to test your coding and logical thinking skills. The wait is over do participate in "APP-a-thon" and be ready to exhibit your talents and skills.

Rules :

1. In this event, participants can participate either as a team (3 members) or as a single participant.

2. Before enrol as a Team, a Team Leader should obtain Participants ID's of other two members and then create a team from his/her Dashboard. A participant of a team cannot participate in other teams.

3. Participants should develop a single application with two modules.

4. This event will be evaluated through GitHub platform based on the code uploaded by the participants.

5. Any type of database can be used (such as SQL /NOSQL)

6. UI of the application will be considered for evaluation.

7. Any Programming Language and Frameworks can be used for web / mobile application.

8. Participating Team will be considered as qualified for final evaluation only if all the two mentioned modules are fully completed within the stipulated time.

GUIDELINES REGARDING GITHUB :

9. Create a private repository in github with TEAMNAME as your Repository name and add xxxxxxxx as collaborator.

10. Add a readme .md and follow the template of our repository **http://github.com/xxxxx**

11. Add your teammates name, participant id and their role in this project.

12. Mention the tools used and code base.

13. Describe how to run your project.

14. Record your working project as video and upload together with code in a separate folder "VIDEOS " and name it as " teamname -module " when pushing to github.

15. If we come to know about any mal practices, your team will be disqualified.

16. Decision of the judges and Techfest2021 organizing team will be final.

Submission Guideline

17. Team Leader alone can submit solution / final project link **(github)**

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Theater Treat
(BoxOffice)

Rules :

1. Individual participation is allowed
2. Winners will receive a certificate
3. If Network issue or any other circumference on participant the round will not stopped its members issues.
4. The event consists of three rounds and top three will get a prize5.
5. The questions will be based on Tamil movies, English Dubbed movies, and web series both (India and International)
6. The Participants will be evaluated, shortlisted/eliminated, and promoted to the next rounds by the experts (Tech-Fest 2.0) based on the mentioned criteria.

Preliminary Round :

1. This round consists of 30 MCQ Questions on films and web series
2. Duration of each question will have max of 20 Sec.
3. Top candidates based on the score will be qualified to the next round.

Second Round 2 (Google meet)

1. This round will conduct in Google meet platform.
2. Google meet link will be shared to all selected members before half-an hour in the registered mail id / whatsapp group.
3. It is mandatory for the members to attend the second round.
4. This round consist of 20 images each for 20 seconds on screen and image will fade off and random number will be provided. Those who type first in chat box ("First Come First Serve" method) will be called to give answer and two questions will be asked from that image.
5. The other instruction will be given regarding this round by our organizing committee on that time of event.

Final Round (Google meet)

1. This round will be conducted in Google meet.
2. Questions will be asked in random to teams.
3. This round consist 20 Questions and it is connection round (connecting the image and answering)
4. The other instructions will be given regarding this round by our organizing committee on that time of the event.

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Coding Sprint

RULES :

1. This event consists of 2 rounds.

2. One member per team.

3. Participants are shortlisted from the first round based on the performance.

4. Participants are selected as winners based on the number of programs solved in round 2

5. Decision of the judges and TECH FEST 2.0 organizing team are final.

Round 1 :

1. This round consists of 30 MCQ questions.

2. Time limit for this round is 10 minutes.

Round 2 :

1. C, C++ and python languages are given as option.

2. Participant should choose only one of the programming languages.

3. This round consists of 5 programs based on the programming language chosen.

4. Solving of the first program leads you to next program (output of the first program is the password for next program). The same repeats throughout the round.

5. Time limit for this round is 20 minutes.

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QuizTie

GENERAL RULES & REGULATIONS FOR VIRTUAL QUIZ:

1. Only Individual participation is allowed in this event.
2. Technical questions to be answered.
3. The whole competition will be divided into two rounds.
4. The first round will be preliminary round for all the registered participants
5. The final round will be conducted for top 5 highest scorers in preliminary round.
6. Judiciaries' decision will be the final.

PRELIMINARY ROUND:

1. Each participant would be given a set of question containing 30 multiple choice type questions.
2. Each question will be display in **techfest event portal as per scheduled time.**
3. Time limit for each question is 20 seconds
4. 5 Top scores would be selected for FINAL ROUND.
5. In case of tie between 2 or more participants, further 5 questions would be asked for final selection.

FINAL ROUND:

1. This round will be conducted through Google meet.
2. Google meet link will be sent through event whatsApp group before 30 mins of this round.
3. 15 questions will be shared through the above Google meet as (ppt mode)
4. Preference will be given those who are typed at first in the chat box (Captcha or sample questions will be raised)
5. Questions will be based on images & logo recent trends and technologies.
6. Time limit for each question is -15 seconds.
7. First three teams would be considered as for winners/runners respectively.
8. In case of tie between 2 or more teams, further 3 questions would be asked for final selection.
9. Judiciaries' decision will be the final.

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Bonding

Bonding is an distinct game where the participants have to connect and relate the images given to reach at the answer.

Rules:

1. There will be 2 Rounds and top 3 performers will be awarded.
2. Round 1 will be conducted through the website www.aluaisd.com.
3. Round 2 will be conducted on Google meet.
4. This is an elimination event, topmost performing participants will be evaluated to round 1 and round 2 respectively.
5. There is no limited slot to participate in this event.
6. Decision of Judge and Techfest2021 organizing team will be final no other changes will be encouraged.

Round 1

1. This round consists of 30 questions.
2. Each question will be displayed for 20 seconds after the question will disappear the Participants should relate the images and connect to arrive the answer.
3. Participants should type the answer for each within the time given.

Round 2

1. This round consists of 15 questions.
2. Participants should relate the images and connect it to arrive at the answer within the specified time given.
3. We will conduct this event through Google Meet.
4. Link will be provided before 30 minutes those who are selected in Round 1 through whatsapp group
5. We will show 3 images on the screen and we willl tell any random number to the participants, those who type it in the chat box at first who are considered to answer the question and same procedure will be followed at each question.
6. Preference will be allotted based on your response as it is **"First Come First Serve"**

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Poster Door

Rules

1. This event comprises of a single round.

2. Participants has to participate individually.

3. The entire event will be conducted through the website.

4. Top 3 participants will be declared as winners runners respectively.

5. Subject will be given on that time of event.

6. Participant has to use only Adobe softwares like Adobe Illustrator, Photoshop, Indesign etc. for designing. Usage of other designing softwares is strictly not allowed.

7. Usage of pre-existing designs or templates from other websites is strictly prohibited. Incase of usage of the same, the participant will be disqualified.

8. Decision of the judges and the TechFest 2.0 organizing committee will be the final.

Event

1. The participant has to create a poster for which the topic will be given on the website.

2. The total time given for this round is 2 hours.

3. The participants has to submit a screenshot of their work after 30 minutes from the start of the round. After an hour, the final poster has to be submitted.

4. At the final submission, the participants has to submit their file in jpeg and any adobe file formats.

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Meme Book

If creating memes is your forte, submit your meme in this meme contest and prove it!

Rules

1. Only one entry is allowed by a participant.

2. The topic will be displayed in the website at the event dashboard of the participants

   should submit three meme's in that same portal.

3. Meme in BILINGUAL and picture template only.

4. Kindly keep a good resolution in your submissions.

5. Submissions should not contain any material that is offensive or disgraceful towards

   any person, profession or community.

6. The decision of the Techfest 2.0 committee will be final.

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Event Coordinators

S.No.	Event	Event Coordinator	Student Coordinators	Team Members
1.	Slide Show	Dr. P. Subhasri	K. Pradeepa (II M.Voc – SD) K. Taj Femina (III B.Voc - SD)	R. Karthick (III B.Voc - SD) E. Swetha (II B.Voc - SD) P. Monika (IIIB.Voc - SD) N. Rajeswari (III B.Voc - SD) A.Aadhithya (I B.Voc - SD)
2.	App-A-Thon	Ms. K. Maheswari	PS. Sivaram (III B.Voc - SD) S. Swetha (II B.Voc - SD)	S. Eswari (I B.Voc - SD) TH. Abinaya (I B.Voc - SD) C. Swetha (I B.Voc - SD) R. Vivetha Mani (I B.Voc - SD)
3.	Theater Treat	Dr. B. Sugumar	S. Pandiyaraj (II M.Voc) J. Vinitha (II B.Voc) G. SowmiyaNarayani (II B.Voc)	V.Selvaganesh (I B.Voc) S.DeviPournamima (I B.Voc)
4.	Coding Sprint	Ms. S. Shanmuga Priya	B. Raveena (I M.Voc) M. Keerthana (II B.Voc - SD)	K.Abinaya (I B.Voc) N. Abinaya (I B.voc) A. Kannathal (I B.Voc) G.Venkatesh (PGDCS)
5.	Quiz Tie	Mr. S. Prabhakaran	M Muthujayashree (I M.Voc)	S.Kayalvizhi (I.M.Voc) M. Janani (III.B.Voc) S. Bharathi (III.B.Voc) S. Sowmiya (III.B.Voc) A. Anusiya

Event Coordinators

				(II.B.Voc) S. Arivizhi (II.B.Voc) P. Banumathi (I.B.Voc) R. Alamelu (I.B.Voc)
6.	Bonding	Ms. K. Nithya Kalyani	K.Ajaytha (II M.Voc) P. Prathish (III B.Voc)	M.Navin Kumar (I B.Voc) S.Muthumani (I B.Voc) A.NehruPandi (I B.Voc) R.Lakshmi (II B.Voc) S. Krishnapriya (II B.Voc)
7.	Poster Door	Mr. C. Manikandan	R. Praveen (II B.Voc) K. Thrisha (II B.Voc)	S. Arvind kumar (II B.Voc) S. Gunal (I B.Voc) R. Jeyasurya (II B.Voc)
8.	Meme Book	Dr. P. Subhasri	B. Priscellia Mancy (II M.Voc) T. UvaSouravjes (II B.Voc)	R. Gayathri (II B.Voc) Mu.Mahalakshmi (II B.Voc) V. Suriya (III B.Voc) M. Krishnan (III B.Voc)