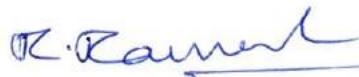


**DEPARTMENT OF MECHANICAL ENGINEERING**  
**FIVE DAY ONLINE FDP ON**  
**MECHANICAL BEHAVIOUR OF**  
**ADVANCED MATERIALS AND ITS SCOPE FOR**  
**ENGINEERING APPLICATIONS**

**10.06.2020 TO 14.06.2020**

**Coordinators**



**Dr. R. Ramesh**



**Dr. S. Gopinath**



**Dr. C. Senthamarai Kannan**



Dr. S. RAMESH BABU, M.E., Ph.D  
Professor & Head  
Department of Mechanical Engineering  
Sri Venkateswara College of Engineering  
Pennalur, Sriperumbudur (TK) - 602117.  
Tamilnadu, INDIA.

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<b>3.</b>	<b>Resource Person Details and Schedule</b>
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Dr C SENTHAMARAIKANNAN &lt;senthamarai@svce.ac.in&gt;

---

**Fwd: FIVE DAY FDP BROCHURE - Organised by Department of Mechanical Engineering-SVCE-Reg**

1 message

---

**Hod Mech** <hodme@svce.ac.in>  
To: Faculty Group <svcefaculty@svce.ac.in>

Sun, Jun 7, 2020 at 6:25 PM

Dear Professors

FYI

--  
With Regards,**Dr. S. Ramesh babu**

Professor and Head

Department of Mechanical Engineering  
Sri Venkateswara College of Engineering  
No.1, Pennalur, Irungattukottai Post,  
Sriperumbudur Taluk. - 602 117.  
Ph.: +91-44-2715 2000 Ext.: 400  
Mobile No.: +91-99624 86928

----- Forwarded message -----

From: **R Ramesh** <rameshraj@svce.ac.in>  
Date: Sat, 6 Jun 2020 at 20:30  
Subject: FIVE DAY FDP BROCHURE - Organised by Department of Mechanical Engineering-SVCE-Reg  
To: Hod Mech <hodme@svce.ac.in>

Dear Professor,

I kindly request you to send this information to the SVCE faculty group  
.....

Dear faculty members,

The department of Mechanical Engineering is organising Five Day Online FDP On **"Mechanical Behaviour of Advanced Materials and its Scope for Engineering Applications"** from 10<sup>th</sup> to 14<sup>th</sup> June 2020. In this regard, we request the faculty members to enrol and circulate this information to your known/ relevant Faculty Members and other colleges . I am hereby enclosing the brochure for the same.

Thanking you

With Regards,

**Dr.R.Ramesh**, M.E., Ph.D (IIT M)  
 Professor, Mechanical Engineering,  
 Asst. Dean - Academics,  
 Sri Venkateswara College of Engineering,  
 Pennalur, Sriperumbudur Tk,  
 PIN: 602117.  
 Ph:044-27152000:: Extn:403  
 Mobile:09445247374

Email: [rameshrajagmail.com](mailto:rameshrajagmail.com)

SIR,  
 HERE WITH BROCHURE ATTACHED  
 REGISTRATION LINK :

[https://docs.google.com/forms/d/e/1FAIpQLScaqy1eUmk\\_iLb-wRA4gvxvI2EmRyIQ\\_Nde2PIVIdUwCIIMPw/viewform?usp=sf\\_link](https://docs.google.com/forms/d/e/1FAIpQLScaqy1eUmk_iLb-wRA4gvxvI2EmRyIQ_Nde2PIVIdUwCIIMPw/viewform?usp=sf_link)

**Dr. C.Senthamarai**, M.E., Ph.D  
**Assistant Professor,**  
**Department of Mechanical Engineering,**  
**Sri Venkateswara College of Engineering,**  
**Sriperumbudur - 602117**  
**Anna University Supervisor No: 3320009**  
**Mobile : 99 404 73966, 9942860999**  
**[senthamarai@svce.ac.in](mailto:senthamarai@svce.ac.in), [csenthamarai@gmail.com](mailto:csenthamarai@gmail.com)**

<https://orcid.org/0000-0001-6365-6427>  
 Scopus Author ID: 56313342800



FDP\_MATRL\_MEC\_SVCE\_5\_DAY\_BROCHURE.jpg  
 253K



Dr C SENTHAMARAIKANNAN &lt;senthamarai@svce.ac.in&gt;

**INVITATION -Five Day Online FDP -SVCE-MEC-10 to 14 July 2020**

6 messages

**SENTHAMARAI KANNAN C Mec** <senthamarai@svce.ac.in>

Tue, Jun 9, 2020 at 11:27 PM

Bcc: karthickmech@rmkcet.ac.in, mohanaavel.phd@gmail.com, nathan@drmcet.ac.in, prabharang@saec.ac.in, manikavi03@gmail.com, t.ragin1988@gmail.com, sankar1490@gmail.com, naveenkumarsn@acharya.ac.in, selva83selva@gmail.com, siddi.kummi@gmail.com, bennetmab@gmail.com, leninrangasamy@gmail.com, ILAIYAVEL S Mec <ilaiyavel@svce.ac.in>, siva.jegan2020@gmail.com, sreedharmtech@gmail.com, crajkumartan@gmail.com, arulroll7@gmail.com, marimuthu@mech.sastra.ac.in, subburam@saveetha.ac.in, sabarish.san@gmail.com, sathyafresh@gmail.com, siva2mech@gmail.com, magibalan42@gmail.com, anbuhezhiyan@gmail.com, sivasankark@jeppiaarinstitute.org, arumugamk.mech@valliammai.co.in, srajendranvijayan@gmail.com, viji.s.a@gmail.com, spaminfo6@gmail.com, ARUMUGAM S Mec <arumugam@svce.ac.in>, chandrashekara@bit-bangalore.edu.in, fazsak@gmail.com, seemasengodappan17@gmail.com, K.Karthick31099@gmail.com, dineshkumar.pk@rajalakshmi.edu.in, karthickm27042000@gmail.com, priyankar.d@navodaya.edu.in, nithya1pradeep@gmail.com, murugansamy1985@gmail.com, vinayakrm91@gmail.com, thiagarajan.nvr@gmail.com, ushapetchi@gmail.com, venkatcad@yahoo.com, sundarrajug@bitsathy.ac.in, hmanilkumar@yahoo.com, saranonnet@gmail.com, mkalaimani@jeppiaarinstitute.org, ramon4frnds@gmail.com, sidharthan@srcas.ac.in, psdhanapalbe@gmail.com, rbala1611@gmail.com, devanathan.c@rajalakshmi.edu.in, ktcare23@gmail.com, arulmurugan.s@rajalakshmi.edu.in, chenthil.m@rajalakshmi.edu.in, loganlokesh95@gmail.com, ebenezersathishpaul@gmail.com, abdul\_mech@pace.edu.in, kpselvam.kutty@gmail.com, Justinkawin@gmail.com, vguru@svce.ac.in, rbsvel@gmail.com, dhanaraj.r@rajalakshmi.edu.in, mechjoe123@gmail.com, balakrishnaraja@gmail.com, gbsathishkumarmech@gmail.com, www.vaishusaranya01@gmail.com, sathishradha25@gmail.com, muraleedharan.p@kce.ac.in, selvamraj1@gmail.com, aadhavansuthagar@gmail.com, ramakrishnar2000@gmail.com, mozhuguan.santhosh@gmail.com, anander08@gmail.com, kavitharkrish@hotmail.com, a.m.sivapriya@gmail.com, krishnakumard1992@gmail.com, anbarasu.mech@sairam.edu.in, elumalai106@gmail.com, prathap.singh50@gmail.com, kondapallymahesh325@gmail.com, harimedesign@gmail.com, prasanraj358@gmail.com, srdhr12@gmail.com, mail2etn@gmail.com, anbu\_nanthu@rediffmail.com, ashok.kumar19872003@gmail.com, panneerselvan.s@rajalakshmi.edu.in, jaida.premkumar@jits.ac.in, ganeshme86@gmail.com, sandeepujan91@gmail.com, bbsmechaut@gmail.com, keerthivarmanvel@gmail.com, branesh2803@gmail.com, prakash@avit.ac.in, kihtrak616@gmail.com, chukkalamanasa1992@gmail.com, mprabhahar@avit.ac.in, subramanikcemech@gmail.com, pcvijayan21@gmail.com, j.senthilkumar1981@gmail.com, mechanicalmotivator@gmail.com, rajashakarappa@navodaya.edu.in, karthikeyan@ritrjpm.ac.in, nkumaran121@gmail.com, dharmma21sona@gmail.com, cj\_seelan@yahoo.co.in, muthukumar@saveetha.ac.in, santhanamdurai@gmail.com, ajitspoora@gmail.com, kalyanakumar@avit.ac.in, heavendani@gmail.com, pvrba@gmail.com, subramanian.manivel@gmail.com, jothiprakashsvce@gmail.com, arunprasad.prod@sairam.edu.in, vigneswaran.k@rajalakshmi.edu.in, mechmanvinc@gmail.com, devaiah.malkapuram@gmail.com, mkumarsaravana@gmail.com, kmbkarthekeyavarshan@gmail.com, aamir012000@gmail.com, prakashglitter@gmail.com, sathishnks2912@gmail.com, blessingsamraj@jnn.edu.in, dsanthoshambattur@gmail.com, anandvitbcl04@gmail.com, jawahar.mamidala123@gmail.com, krishbhel@gmail.com, arunkumar.mech@sairamit.edu.in, dsurryaprakash@gmail.com, starlin.prince@gmail.com, saisakthisaravanan@gmail.com, padhu003@gmail.com, mohamedsalih5mn@gmail.com, dubeyaakash796@gmail.com, koli.hemant@rediffmail.com, krishna.venna83@gmail.com, anukuttan95@gmail.com, saikiran.jits0012@gmail.com, mmvel91@gmail.com, maishu123@gmail.com, lavanya.polamarasetty1992@gmail.com, sibithrasp@gmail.com, jayaviveka@gmail.com, rtbalasubramani@gmail.com, manikanda72@gmail.com, cdjegan@gmail.com, kumaranperumal2001@gmail.com, jaianbu84@gmail.com, valavansivam@gmail.com, kssathishkumar.93@gmail.com, dineshthangavel2000@gmail.com, gandikotapraveenkumar@gmail.com, tarun.thanaraj@gmail.com, rajeshkannasubburaj@gmail.com, drmaa786@gmail.com, girii.engg@gmail.com, khushboopatel149@gmail.com, drprabhukumars@veltech.edu.in, piyush.mahajan36@gmail.com, ssujai83@gmail.com, dassmech@gmail.com, sangamaeswaran.mech@sairamit.edu.in, manikang1@srmist.edu.in, dharmajo92@gmail.com, kingslyjkk@gmail.com, saravanakumar.p@srec.ac.in, rahul.sen1422@gmail.com, pankaj002006@gmail.com, connect\_vijay\_mca@yahoo.com, kamalaerodynamics@gmail.com, coumaressinmech@gmail.com, jayadhayan1978@gmail.com, navanik1510@gmail.com, mullaikodi\_sm@yahoo.co.in, itsmenilu.1@gmail.com, kashanmugam@gmail.com, karthikeyan.r2@rajalakshmi.edu.in, karthigayankc@gmail.com, tapas260465@gmail.com, amitduggal12@gmail.com, krajanmech@gmail.com, armganesan@gmail.com, saravananl\_8476@yahoo.com, praveenprofessional@yahoo.co.in, KUMARASWAMY A MEC <kumaraswamy@svce.ac.in>, 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### Five Day Online FDP on

## MECHANICAL BEHAVIOUR OF ADVANCED MATERIALS AND ITS SCOPE FOR ENGINEERING APPLICATIONS, 10<sup>th</sup> to 14<sup>th</sup> July 2020

### INVITATION AND IMPORTANT INSTRUCTIONS:

1.This FDP Scheduled for Five days from 10<sup>th</sup> to 14<sup>th</sup>, June 2020 and the timings will be 4:30 PM to 6.00 PM daily.

2.There are major two platforms one is ZOOM

Join by Zoom Meeting

By Link <https://us02web.zoom.us/j/85868099725?pwd=dFh0WEExS0RsTlhzTkova2QvTG5jUT09>

Alternately You can use

Meeting ID: 858 6809 9725

Password: 699697

and another one is you-tube live which we are going to use for this FDP.

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All the participants need to subscribe us

### YOUTUBE CHANNEL

[www.youtube.com/channel/UCqBoVluOjUq1d94CfH9XNMw](http://www.youtube.com/channel/UCqBoVluOjUq1d94CfH9XNMw)

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NOTE: Please follow the above instructions and cooperate with us for smooth running of this FDP programme.

WITH REGARDS,

*Dr. C.SenthamaraiKannan, M.E, Ph.D*  
*Assistant Professor,*  
*Department of Mechanical Engineering,*  
*Sri Venkateswara College of Engineering,*  
*Sriperumbudur - 602117*

**Anna University Supervisor No: 3320009**

**Mobile : 99 404 73966, 9942860999**

**senthamarai@svce.ac.in, csenthamarai@gmail.com**

<https://orcid.org/0000-0001-6365-6427>

Scopus Author ID: 56313342800

**SENTHAMARAI KANNAN C Mec** <senthamarai@svce.ac.in>

Tue, Jun 9, 2020 at 11:33 PM

Bcc: somswamy@gmail.com, christopher0420@vjec.ac.in, sureshr77@gmail.com, sheenkumar25@gmail.com, manju.be.143@gmail.com, sanjeevi0591@yahoo.com, parulgupta197@gmail.com, vijaya@kvsw.in, smilybobbys@gmail.com, basavaprakash26@gmail.com, mecharavindh01@gmail.com, shyamlal.me@niet.co.in, delfinraj.s@gmail.com, johnmbosco2004@gmail.com, mraguraman24@gmail.com, venky.bhagwat@gmail.com, dineshmechian@gmail.com, parthisha6@gmail.com, vikrantapas@gmail.com, rajeshgl@ksit.edu.in, sindhusrini@gmail.com, gurukasirajan@gmail.com, sundrapandian.me@srit.org, krpadmavathi@gmail.com, tiru.vce@gmail.com, vsanthoshkumar@krce.ac.in, rohitggits@gmail.com, siddharthvinod72@gmail.com, sandigworld@gmail.com, dr.bbavanish@gmail.com, madhveshmishra10@gmail.com, neeraj1mech@gmail.com, yasinnitt7010@gmail.com, nithirama@gmail.com, piyushgohe747@gmail.com, paramadhayanme@gmail.com, amk3745@gmail.com, robertpaul@psnacet.edu.in, ttamiraju@gmail.com, hanumanthlal@gmail.com, parthi85.auto@gmail.com, balasubramani.mech@sairamit.edu.in, harshanadendla15@gmail.com, saurabhmisra555000@gmail.com, manikandan.me@srit.org, Madhavi Mekala <madhusreeram5@gmail.com>, vtviyumon@gmail.com, sushantpradhan.rite@gmail.com, pranay1916@gmail.com, nivasmechanical@gmail.com, purushothamanmech@avccengg.net, leelijaydon58@gmail.com, deepakvyas09263@gmail.com, ashok.hail@gmail.com, ashokragavakrishna@gmail.com, sksamy78@gmail.com, sivalingams.mech@valliammai.co.in, virupaksha.gouda@rymec.in, sklmoorthy@gmail.com, vedantyadav3@gmail.com, puransighrathod41@gmail.com, pvrajeshmech73@gmail.com, asdme.skitblr@gmail.com, drajmohan1982@gmail.com, sudhanshuahirwar94@gmail.com, satishkumarpolicherla@gmail.com, ssdhanalakshmi@gmail.com, bdevikumar@gmail.com, Boobalaseshthilraj Aut <boobal@svce.ac.in>, karthickumar@svce.ac.in, cbalram.md@gmail.com, karnamdileep@svce.ac.in, jananisabari@gmail.com, purnasaisamudrala123@gmail.com, BHASKARAN A AP <bhas@svce.ac.in>, rampresajkavi@gmail.com, pavanj324@gmail.com, elanc45@gmail.com, adarshgautam856@gmail.com, smisra1@amity.edu, drsevel@saec.ac.in, amuthabalan2011@gmail.com, krishnachemist@gmail.com, mithinmech@gmail.com, anojekka1978@gmail.com, aerovelu@gmail.com, anandababu@svce.ac.in, aanand@svce.ac.in, Anilsahu6379@gmail.com, natarajan.s@rajalakshmi.edu.in, manipal2k@gmail.com, drmkarthi@gmail.com, arbamit.mech@gmail.com, santhoshpckrce@gmail.com, suhasshukla71@gmail.com, naveenbop@gmail.com, selwin123@gmail.com, cjayasundari1141988@gmail.com, Hod Mar <hodmr@svce.ac.in>, mitvenkatesh@gmail.com, bharti.pawan86@gmail.com, umamahesh491@gmail.com, msn1631@gmail.com, jkisore5055@gmail.com, punnarao.p@svcolleges.edu.in, saigguru@gmail.com, rrpallappan@gmail.com, seshurambollimi@gmail.com, praveenkuma.s@vidyanikethan.edu, yemmanisuresh@gmail.com, billueswar@gmail.com, ramki0312@gmail.com, subbarao.me@svrec.ac.in, gopalakrishna.m@svcolleges.edu.in, padmavathi643@gmail.com, haribab204513@gmail.com, susheelmaster88@gmail.com, sanjeev.snh@rmd.ac.in, shweta.bamboria@yahoo.co.in, aerogbalaji@gmail.com, RAMANJANEYULU KOLLA AUT <ramanjaneyulu@svce.ac.in>, vsme@rediffmail.com, spvsathyabama@gmail.com, nmishrasai@rocketmail.com, tlviyakumar@gmail.com, krishnapriya1418@gmail.com, thudimella.pavankumar@gmail.com, manikandan@vidyanikethan.edu, Kumar.lokesh118@gmail.com, venkatakondaiiah.e@svcolleges.edu.in, madrirajesh@gmail.com, arunk4u@gmail.com, suresh7.naga@gmail.com, SAKTHIVEL R AUT <rsakthivel@svce.ac.in>, julyes@sxcce.edu.in, miraculas@sxcce.edu.in, georgetittu007@gmail.com, darwin.mech@gmail.com, sragunathan@vidyanikethan.edu, bazanijntua@gmail.com, gebalachandar@gmail.com, er.s.sakthirajan@gmail.com, naveenfaith410@gmail.com, umentfeli@gmail.com, sharana407@gmail.com, GAJENDIRAN M Mec <mgaja@svce.ac.in>, KIRUBAKARAN G MEC <kirubakaran@svce.ac.in>, drrrpiler@gmail.com, kiransgptacct@gmail.com, arulthermal61@gmail.com, pavanraj.pavi@gmail.com, vicky\_vickymech@yahoo.co.in, SHEELA N R APH <nrsheela@svce.ac.in>, balasubramanin1@gmail.com, hsudhan5@gmail.com, rameshme83@gmail.com, sudhagar85@gmail.com, b.vijaykiran@gmail.com, dhananjay1987yadav@gmail.com, m.sunil@iare.ac.in, pasupathi.k.mech@mec.edu.in, tprakashmec@gmail.com, malayadav.miet@gmail.com, kesar.jk@gmail.com, prasadarao.gv2019@gmail.com, loyajumter@gmail.com, baskjana@gmail.com, draju276@gmail.com, hsudhan5@gmail.com, vkm.mech@rmkec.ac.in, muthucoumaren@gmail.com, christy.stjosephcuddalore@gmail.com, suganthimechanical@gmail.com, nbm@aitdgoa.edu, samuelratnakumar.ps.mec@kct.ac.in, tcrdinesh@gmail.com, saravanamohan.m.mce@kct.ac.in, kavitharkrish@hotmail.com, thirumoothymech@gmail.com, vadivelshakthi@gmail.com, mullaisudaroli.b@rajalakshmi.edu.in, ayyanarkuppusamy22@gmail.com

**Five Day Online FDP on**

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### WITH REGARDS,

*Dr R Ramesh Dr S Gopinath*

*Dr. C.SenthamaraiKannan, M.E, Ph.D*

*Assistant Professor,*

*Department of Mechanical Engineering,*

*Sri Venkateswara College of Engineering,*

*Sriperumbudur - 602117*

[Quoted text hidden]

---

Mail Delivery Subsystem <mailer-daemon@googlemail.com>

Tue, Jun 9, 2020 at 11:33 PM

To: senthamarai@svce.ac.in





# SRI VENKATESWARA COLLEGE OF ENGINEERING

Sriperumbudur, 602117

(Autonomous – Affiliated to Anna University)

## DEPARTMENT OF MECHANICAL ENGINEERING

### Five Day Online FDP on

#### MECHANICAL BEHAVIOUR OF ADVANCED MATERIALS AND ITS SCOPE FOR ENGINEERING APPLICATIONS

10<sup>th</sup> to 14<sup>th</sup> June 2020

**Day 1** Development of Novel TiCN Based Cermets with Improved Mechanical Properties

**Dr S. Balasivanandha Prabu**, Professor, Department of Mechanical Engineering, College of Engineering Guindy, Anna University.

**Day 2** Design Challenges in Thermoplastic Composite Machine Elements

**Dr. S. Senthivelan**, Professor, Department of Mechanical Engineering, Indian Institute of Technology Guwahati.

**Day 3** Aluminium Foams- Behavior and Applications

**Dr Srinath Gajapathy**, Consultant, Techbreak Consultants, Chennai.

**Day 4** Advanced Materials for Commercial Vehicle Applications

**Dr S Dhanasekaran**, Assistant General Manager, Product Development Centre, Ashok Leyland, Chennai

**Day 5** Automotive Gears – Materials and Challenges

**Mr. P. Vinoth Kumar**, Senior Manager, Strategic Sourcing, Ashok Leyland, Chennai

#### Convenor

**Dr. S.RameshBabu**

Head of the Department  
Department of Mechanical  
Engineering

Timings: 4:30 PM to 6.00 PM

Free to Register, Registration is based on First come and first serve basis limited up to 250 participants

#### Coordinators

**Dr. R.Ramesh**

Professor/Mechanical Engineering

**Dr.S.Gopinath**

Professor/Mechanical Engineering

**Dr. C.SenthamaraiKannan**

Asst. Professor/Mechanical Engineering

E-Certificate for FDP attended participant's only.

Registration Form:

<https://forms.gle/69w3QsjMbUMAz79P9>



## Program Schedule

Time : 4:30 PM to 6.00 PM

Date	Resource Person details	Topic
10/06/2020	Dr S.Balasisivanandha Prabu. Professor, Department of Mechanical Engineering, College of Engineering Guindy, Anna University.	Development of Novel TiCN Based Cermets with Improved Mechanical Properties
11/06/2020	Dr. S. Senthilvelan Professor, Department of Mechanical Engineering. Indian Institute of Technology Guwahati.	Design Challenges in Thermoplastic Composite Machine Elements
12/06/2020	Dr Srinath Gajapathy, Consultant, Techbreak Consultants, Chennai.	Aluminium Foams- Behavior and Applications
13/06/2020	Dr S Dhanasekaran, Assistant General Manager, Product Development Centre, Ashok Leyland, Chennai	Advanced Materials for Commercial Vehicle Applications
14/06/2020	Mr. P. Vinoth Kumar, Senior Manager, Strategic Sourcing, Ashok Leyland, Chennai	Automotive Gears – Materials and Challenges



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8:52 PM

## MICROSTRUCTURE OF CERMETS

LIVE on YouTube

Fig. 3: Microstructure of TiC-Ni-Mo-C-CO\*

Fig. 4: Typical cermet microstructure\*

- > The metallic skeleton is an alloy of Cobalt and molybdenum
- > Ceramic skeleton is composed of carbide and carbonitride grains
- > Ceramic skeleton is surrounded by Metallic skeleton

Coreless structure-Ti (C<sub>2</sub>-N<sub>3</sub>)-WC-Mo<sub>2</sub>C-TaC-(Co, Ni-x(Ce-Co))

Prof.S.Balasivanandha Prabu's screen \* - S. Bologna et al, 1998 ; # - Ahn et al. 2000

### Prof S BalaSivanandha Prabu Talk (Youtube telecast)

Zoom Meeting You are viewing Dr. Srinath G. Suganya's screen View Options

Ramesh Raja Dr. Srinath G. Suganya Rajagopal Rame... GOPINATH S Mec ponnuvel Dr. G. Suganya

## Applications

Lightweight structures

Sandwich cores

Mechanical damping

Vibration control

Rocket/air propulsion

Energy absorbers

Heat exchangers

Flame arrestors

Heat shields

Consumable cores

Filters

Biocompatible implants

Electrodes / Catalyst Carriers

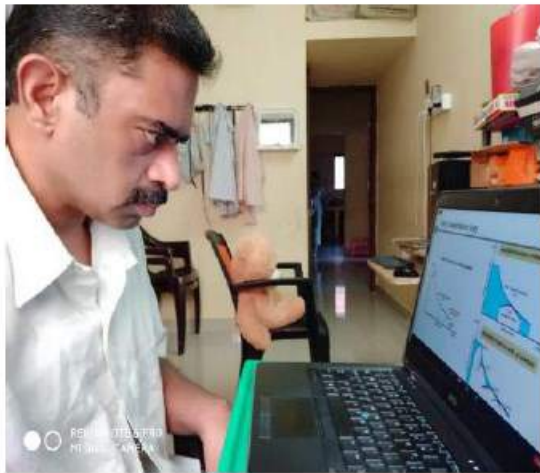
Buoyancy

techbreak Creating Breakthrough Solutions

Unmute Start Video Security Participants Polls Chat Share Screen Record Reactions More End

### Dr Srinath.G Talk (Zoom Streaming)

## Faculties watching FDP



  
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## Program Summary

The Five day online FDP was successfully organized from 10th June to 14th June, 2020 by the Department of Mechanical Engineering, SVCE. This FDP was convened by Dr.S.Rameshababu, Head of the Department, Mechanical engineering and coordinated by Dr. R.Ramesh Professor/MEC, Dr. S.Gopinath, Professor/MEC and Dr. C.Senthamaraikannan, AP/MEC. The speakers covered the various types of mechanical behavior in detail. The speakers presented their area of research with various case studies.

- ❖ On first day, Dr S.Balasivanandha Prabu. Professor, Department of Mechanical Engineering, College of Engineering Guindy, Anna University delivered his expert lecture on the title “Development of Novel TiCN Based Cermets with Improved Mechanical Properties”
- ❖ Second day, Dr. S. Senthilvelan Professor, Department of Mechanical Engineering. Indian Institute of Technology Guwahati, delivered his talk on the title “Design Challenges in Thermoplastic Composite Machine Elements”
- ❖ Third day, Dr Srinath Gajapathy, Consultant, Techbreak Consultants, Chennai, explained about various types of Aluminium Foams and its Behavior and Applications.
- ❖ Fourth day, Dr S Dhanasekaran, Assistant General Manager, Product Development Centre, Ashok Leyland, Chennai, discusses Advanced Materials for Commercial Vehicle Applications.
- ❖ On the last day, Mr. P. Vinoth Kumar, Senior Manager, Strategic Sourcing, Ashok Leyland, Chennai discusses on Automotive Gears and various Materials for manufacturing it and Challenges involve in the Gear manufacturing and assembly.

The event was participated by around 582 enthusiastic participants from across India and abroad. All the participants who had attended the event and given the feedback were issued with E-certificate. Program was conducted through Zoom platform and streamed in Youtube.



**Dr. R. Ramesh**



**Dr. S. Gopinath**



**Dr. C. Senthamarai Kannan**



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# Sri Venkateswara College of Engineering

Pennalur , Sriperumbudur Tk, 602117

(Autonomous – Affiliated to Anna University)

Department of Mechanical Engineering

Mechanical Behaviour of Advanced Materials and  
Its Scope for Engineering Applications

Certificate of Participation

This is to Certify that

**MR.P.NAVIN JASS**

**Rohini College of Engineering and Technology**

has participated in the Five day Online Faculty Development Program on “Mechanical Behaviour of Advanced Materials and Its Scope for Engineering Applications”, Organised by the Department of Mechanical Engineering, Sri Venkateswara College of Engineering during 10<sup>th</sup> to 14<sup>th</sup> June, 2020.

**Dr .R.Ramesh**  
Coordinator

**Dr .S.Gopinath**  
Coordinator

**Dr.C.Senthamarai Kannan**  
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**Dr. S. Rameshbabu**  
Convenor  
HOD/MEC



MBAMS370





# Sri Venkateswara College of Engineering

Pennalur , Sriperumbudur Tk, 602117

(Autonomous – Affiliated to Anna University)

Department of Mechanical Engineering

Mechanical Behaviour of Advanced Materials and

Its Scope for Engineering Applications

*Certificate of Participation*

This is to Certify that

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**Sri Chandrasekharendra Saraswathi Viswa Mahavidyalaya University**

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Coordinator

**Dr .S.Gopinath**  
Coordinator

**Dr.C.Senthamarai Kannan**  
Coordinator.

**Dr. S. Ramesh Babu**  
Convener  
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MABM005





# SVCE MEC\_Material\_FDP\_DAY-1 FEEDBACK FORM

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Fair	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Excellent

The subject matter was presented effectively \*

	1	2	3	4	5	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Strongly Agree

The duration of the session was sufficient to get an overview of the topic \*

	1	2	3	4	5	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Strongly Agree

Overall FDP Organisation \*

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Fair	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Excellent

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The subject matter was presented effectively \*

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The duration of the session was sufficient to get an overview of the topic \*

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Overall FDP Organisation \*

	1	2	3	4	5	
Fair	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Excellent

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The subject matter was presented effectively \*

	1	2	3	4	5	
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The duration of the session was sufficient to get an overview of the topic \*

	1	2	3	4	5	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Strongly Agree

Overall FDP Organisation \*

	1	2	3	4	5	
Fair	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Excellent

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Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

The duration of the session was sufficient to get an overview of the topic \*

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Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	Strongly Agree

Overall FDP Organisation \*

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Parthiban. M

Name of the College \*

Adhiyamaan college of Engineering

Place \*

Hosur

Country \*

India

Whatsapp Number \*

9344523221

The information presented in the session was useful \*

	1	2	3	4	5	
Fair	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	Excellent

The subject matter was presented effectively \*

	1	2	3	4	5	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Strongly Agree

The duration of the session was sufficient to get an overview of the topic \*

	1	2	3	4	5	
Strongly Disagree	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Strongly Agree

Overall FDP Organisation \*

	1	2	3	4	5	
Fair	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	Excellent

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