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6	GOVERNANCE, LEADERSHIP AND MANAGEMENT	100

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CRITERION-6 (GOVERNANCE LEADERSHIP AND MANAGEMENT)

6.3.3 PERCENTAGE OF TEACHING AND NON-TEACHING STAFF PARTICIPATING IN FACULTY DEVELOPMENT PROGRAMMES (FDP), PROFESSIONAL DEVELOPMENT /ADMINISTRATIVE TRAINING PROGRAMS DURING THE LAST FIVE YEARS (15 MARKS)

Response:

6.3.3.1. TOTAL NUMBER OF TEACHING AND NON-TEACHING STAFF PARTICIPATING M FACULTY DEVELOPMENT PROGRAMMES (FDP), PROFESSIONAL DEVELOPMENT /ADMINISTRATIVE TRAINING PROGRAMS DURING THE LAST FIVE YEARS

6.3.3.2 NUMBER OF NON-TEACHING STAFF YEAR WISE DURING THE LAST FIVE YEARS

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2017-2018

MHRD SPONSORED NATIONAL SEMINAR ON SCIENTIFIC AND TECHNICAL TERMINOLOGY IN SCIENCE AND TECHNOLOGY on 13-14 September, 2017

An MHRD sponsored National Seminar on "Scientific and Technical Terminology in Science and Technology" organized by the Department of Applied Sciences on 13-14 September, 2017. The intellectual force behind the seminar was the Commission for Scientific and Technical Terminology, MHRD. The seminar aimed at promoting the use of Scientific and Technical Terminology in Hindi and other regional languages.



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CSTT, MHRD
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"विज्ञान एवं प्रौद्योगिकी में वैज्ञानिक एवं तकनीकी शब्दावली"
शीर्षक पर दो दिवसीय राष्ट्रीय संगोष्ठी
दिनांक 13-14 सितम्बर, 2017

प्रायोजक :
वैज्ञानिक तथा तकनीकी शब्दावली आयोग
मानव संसाधन विकास मंत्रालय, भारत सरकार

आयोजक :
डी.ए.वी. अभियांत्रिकी एवं प्रौद्योगिकी संस्थान, जालन्धर
(अनुप्रयुक्त विज्ञान विभाग)



वैज्ञानिक तथा तकनीकी शब्दावली आयोग

मानव संसाधन विकास मंत्रालय

कार्यक्रम ववरण

Programme : National Seminar on "Scientific and Technical Terminology in Science and Technology"

Place : DAV Institute of Engineering and Technology), Kabir Nagar, Jalandhar

Date : 13.09.2017 and 14.09.2017

कार्यक्रम ववरण /Programme Details 13.09.2017		
क्र.स.	समय	ववरण
1	9.00 a.m. to 10.00 a.m.	पंजीकरण /Registration
2	10.00 a.m. to 10.30 a.m.	उदगाटन /Inauguration
3	10.30a.m. to 10.45 a.m.	चाय /Tea break
4	10.45 a.m. to 12.15 noon सत्र /Session I :	(1) Shri S.C. L.Sharma,Ex Asstt. Director,CSTT,MHRD,New Delhi (व्याख्यान का शीर्षक:)
5	12.15 noon to 1.30 p.m.	(2) Prof. M.M. Sharma,Executive Director, NIELIT, Ajit Singh Nagar, Punjab (व्याख्यान का शीर्षक:)
6	1.30 p.m. to 2.15 p.m.	भोजन /Lunch
7	2.15 p.m. to 3.45 p.m. सत्र /Session II :	(3) Dr Vikramaditya Dave, Deptt. of Electrical, CTAE,MPAU,Udaipur (Raj.) (व्याख्यान का शीर्षक:)

8	3.45 p.m. to 4.00 p.m.	चाय /Tea break
9	4.00 p.m. to 5.30 p.m.	प्रतिभा गरुुं दुवारा 10 लेख प्रस्तुतीकरण (कुल 20 लेखुं में से 10 प्रथम दिन)

कार्यक्रम ववरण /Programme Details 14.09.2017		
क्र.स.	समय	ववरण
1	9.30 a.m. to 1100 a.m. सत्र /Session III :	(6) Dr. Pradeep Goyal,Asso Professor,Deptt. of Civil Engg.,Govt. Engg. College, Ajmer (व्याख्यान का शीर्षक:)
2	11.00 a.m. to 12.30 noon	(7) Prof. Vijay Kumar Jadon, Deptt of Mechanical Engg.,Chitkara University, Chandigarh (व्याख्यान का शीर्षक:)
3	12.30 noon to 1.30 p.m.	चाय /Tea break
4	12.00 p.m. to 01.00 p.m. सत्र Session IV:	(8) Dr Manoj Kumar,Principal,DAVIET, Jalandhar, Punjab (व्याख्यान का शीर्षक:)
5	1.30 p.m. to 2.15 p.m.	भोजन /Lunch
5	2.00 p.m. to 4.00 p.m. सत्र /Session V :	प्रतिभा गरुुं दुवारा 10 लेख प्रस्तुतीकरण
8	4.00 p.m. to 4.15 p.m.	चाय/Tea break
7	4.15 p.m. to 4.30 p.m.	Feed back
9	4.15 p.m. to 5.30 p.m.	समापन समारुुह (Valedictory Function)/Distribution of Certificates

*उपर्युक्त कार्यक्रम ब्यौरा अनंतिम (tentative) हैं



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वैज्ञानिक तथा तकनीकी शब्दावली आयोग
मानव संसाधन विकास मंत्रालय, भारत सरकार, नई दिल्ली
एवं

डी.ए.वी. अभियांत्रिकी एवं प्रौद्योगिकी संस्थान
कबीर नगर, जालन्धर

द्वारा आयोजित

“विज्ञान एवं प्रौद्योगिकी में वैज्ञानिक एवं तकनीकी शब्दावली”

विषय पर दो दिवसीय राष्ट्रीय संगोष्ठी

दिनांक 13-14 सितम्बर, 2017

रिपोर्ट

डी.ए.वी. इंस्टिट्यूट ऑफ़ इंजीनियरी एंड टेक्नोलॉजी, जालन्धर और वैज्ञानिक तथा तकनीकी शब्दावली आयोग, मानव संसाधन विकास मंत्रालय (उच्चतर शिक्षा विभाग), भारत सरकार, नई दिल्ली के प्रयासों से डी.ए.वी.आई.ई.टी., जालन्धर में 13-14 सितम्बर, 2017 को 'विज्ञान एवं प्रौद्योगिकी में वैज्ञानिक एवं तकनीकी शब्दावली' विषय पर दो दिवसीय राष्ट्रीय संगोष्ठी का आयोजन किया गया । संगोष्ठी के उद्घाटन सत्र में गणमान्य अतिथियों ने माता सरस्वती की प्रतिमा पर माल्यार्पण कर दीप प्रज्वलित किया ।

महाविद्यालय के प्राचार्य प्रोफेसर मनोज कुमार ने सभी अतिथियों का स्वागत फूलों के गुलदस्तों के साथ किया । उद्घाटन सत्र के मुख्य अतिथि श्री वरिन्द्र कुमार शर्मा (उप-आयुक्त, जालन्धर) एवम् विशेष अतिथि प्रोफेसर ललित कुमार अवस्थी (निदेशक, एन.आई.टी., जालन्धर) उपस्थित रहे । कार्यक्रम की अध्यक्षता प्रो. मनोज कुमार, प्राचार्य, डी.ए.वी.आई.ई.टी, जालन्धर द्वारा की गई । मंच पर उपस्थित अन्य गणमान्यों में आयोग से पधारे हुए अतिथि श्री शिव कुमार चौधरी (प्रभारी अधिकारी एवम् स. निदेशक), इंजीनियर जयसिंह रावत (संगोष्ठी प्रभारी) थे । इन्हीं के साथ संगोष्ठी के स्थानक संयोजक के रूप में डॉ.

कंचन एल सिंह, सह समन्वयक डॉ. अमित शर्मा और सुश्री शिवानी विज उपस्थित रहे । संगोष्ठी में संघ प्रदेश एवम् देश के अन्य राज्यों से लगभग 100 प्रतिभागियों ने हिस्सा लिया ।



प्रथम व्याख्यान सत्र (प्रथम दिवस)

प्रथम व्याख्यान सत्र में दो व्याख्यान हुए जिनमें प्रथम व्याख्यान श्री एस.सी.एल. शर्मा, पूर्व सहायक निदेशक, सी.एस.टी.टी., एम.एच.आर.डी., नई दिल्ली द्वारा दिया गया । जबकि द्वितीय व्याख्यान में प्रो. एम.एम. शर्मा, कार्यकारी निदेशक, एन.आई.ई.एल.आई.टी., अजीत सिंह नगर, पंजाब ने उपरोक्त संगोष्ठी के विषय पर रोशनी डाली ।

श्री एस.सी.एल. शर्मा ने अपने व्याख्यान में शब्दावली को मुख्य रूप से तीन वर्गों में विभाजित किया, अंतराष्ट्रीय शब्दावली, अनिश्चित संकल्पनाओं वाली शब्दावली एवं विभागीय शब्दावली । उन्होंने बताया कि विभागीय शब्दावली को ठीक प्रकार से संभालना अति आवश्यक होता है अन्यथा कभी कभी

बहुत बड़ी गलतियां हो जाती है । उनके अनुसार अंग्रेजी की पुस्तकों में अनेकों शब्द हैं, जिनके हिन्दी पर्याय उनके प्रयोग के अनुसार सी.एस.टी.टी. द्वारा तैयार किए हैं, यह आयोग द्वारा प्रकाशित विभिन्न विषयों की शब्दावलियों में उपलब्ध हैं जिनको समझकर प्रयोग में लाना अति आवश्यक हैं ।

प्रो. एम.एम. शर्मा ने विज्ञान एवं प्रौद्योगिकी में वैज्ञानिक एवं तकनीकी शब्दावली के उपयोग पर जोर डालते हुए आज के युवा वर्ग को इस विषय में योगदान डालने पर उत्साहित किया ।



द्वितीय व्याख्यान सत्र (प्रथम दिवस)

इस व्याख्यान सत्र में प्रौद्योगिकी एवं इंजीनियरिंग कालेज, उदयपुर से डॉ. विक्रमादित्य दवे ने अपने विचार व्यक्त किये । उन्होंने इंजीनियरी में हिन्दी का प्रयोग विषय का चयन किया । उनके अनुसार इंजीनियरी के सभी विषय यूरोप एवं अमेरिका की देन हैं । पश्चिमी लोगों की कार्यालयी व भौक्षणिक भाषा अंग्रेजी होने के कारण तकनीकी ज्ञान का प्रसार भी अंग्रेजी में किया जाता है । परन्तु आजादी के बाद कस्बों, गावों व उपनगरों में स्थापित हुए विद्यालयों में हिन्दी भाषा में ज्ञान का आदान-प्रदान हुआ । ऐसे छात्रों को उच्च शिक्षा ग्रहण करने में कोई दिक्कत ना हो, इसीलिये इंजीनियरी के पाठ भी ऐसे छात्रों के लिये हिन्दी में दिये जाने चाहिए ।

प्रो. दवे के व्याख्यान के उपरांत आठ प्रतिभागियों ने अपने-अपने शोध क्षेत्र में वैज्ञानिक एवं तकनीकी शब्दावली को प्रयोग करते हुए शोध पत्र प्रर्दशित किए, जिनको आयोग से आए हुए एवं सभागार में उपस्थित शिक्षकों ने खूब सराहा ।

तृतीय व्याख्यान सत्र (द्वितीय दिवस)

दूसरे दिवस के प्रथम व संगोष्ठी के तृतीय व्याख्यान सत्र में दो व्याख्यान हुए, जिनको क्रमवार श्री शिव कुमार चौधरी एवं प्रो. विजय कुमार जादोन ने किया ।

श्री शिव कुमार चौधरी ने अपने व्याख्यान में बताया कि उनके आयोग में शब्दावली का निर्माण कैसे किया जाता है । यह एक वैज्ञानिक पद्धति है । पूरी प्रक्रिया के साथ, चर्चा के माध्यम से वैज्ञानिक तथा तकनीकी शब्दावली का निर्माण हिन्दी भाषा में किया जाता है । उनका आयोग निर्धारित मार्गदर्शी सिद्धांतों को ध्यान में रखते हुए अब तक लगभग 8.5 लाख शब्दों का निर्माण कर चुका है ।

प्रो. विजय कुमार जादोन ने यांत्रिकी अभियांत्रिकी में तकनीकी शिक्षा में शब्दावली के महत्व पर प्रतिभागियों को सम्बोधन किया । कोई भी दूसरी संचार की भाषा किसी भी मातृभाषा की विकल्प नहीं हो सकती, इसीलिए मातृभाषा के प्रसार को यथासंभव लंबे समय तक बढ़ाया जाना चाहिए ।

चतुर्थ व्याख्यान सत्र (दितीय दिवस)

द्वितीय व्याख्यान डॉ. मनोज कुमार के द्वारा कंप्यूटिंग एवं प्रौद्योगिकी में तकनीकी शब्दावली के योगदान पर दिया गया । उन्होंने वैज्ञानिक तथा तकनीकी शब्दावली आयोग द्वारा कंप्यूटिंग प्रौद्योगिकी के क्षेत्र में किये गए कार्यों एवं उनकी उपलब्धियों के बारे में प्रतिभागियों को विस्तार से बताया । उन्होंने इंटरनेट ऑफ थिंग्स का विवरण देते हुए इसका उपयोग हमारे जीवन को कैसे बहुत आसान और सुरक्षित बनाता है ।



इसके उपरोक्त संगोष्ठी में आए हुए प्रतिभागियों में से सात प्रतिभागियों ने संगोष्ठी के विषय को सार्थक करते हुए अपने शोध पत्र प्रस्तुत किए ।

इस सत्र के पश्चात् सभागार में उपस्थित प्रतिभागियों ने अपनी प्रतिक्रिया दी । उन्होंने संगोष्ठी को लाभप्रद बताते हुए भविष्य में भी इसके आयोजन की इच्छा प्रकट की ।

समापन सत्र

समापन सत्र मंचासीन महानुभावों के स्वागत के साथ हुआ । संस्थान के प्राचार्य डॉ. मनोज कुमार ने अपने संभाषण में संगोष्ठी के आयोजन का अवसर प्रदान करने हेतु वैज्ञानिक व तकनीकी शब्दावली आयोग का आभार व्यक्त किया एवं भविष्य में इस प्रकार के अन्य कार्यक्रमों के आयोजन की कामना प्रकट की । संस्थान के प्राचार्य के पश्चात् इस संगोष्ठी के प्रभारी इंजीनियर जय सिंह रावत ने अपने संभाषण में इस संगोष्ठी के आयोजन हेतु डी.ए.वी. प्रौद्योगिकी एवं तकनीकी संस्थान का आभार व्यक्त किया एवं आशा व्यक्त की कि यह संगोष्ठी तकनीकी शब्दावली का ज्ञान शिक्षकों एवं उनके माध्यम से विद्यार्थियों तक पहुंचने समर्थ रही होगी । उन्होंने संस्थान के प्राचार्य, संगोष्ठी के समन्वयक, सहसमन्वयक एवं अन्य आयोजन शिक्षकों को बधाईयाँ दी । इस कार्यक्रम का समापन इस संगोष्ठी के समन्वयक डॉ. कंचन एल. सिंह के द्वारा धन्यवाद ज्ञापन के साथ हुआ ।



शिक्षक हिंदी का अधिक प्रयोग करें

जम्मू काश्मीर सरकार, जम्मू: डेविट में मानव संसाधन विकास मंत्रालय की ओर से बुधवार को विज्ञान एवं प्रौद्योगिकी में वैज्ञानिक एवं तकनीकी शब्दावली विषय पर दो दिवसीय राष्ट्रीय संगोष्ठी का आयोजन किया गया। संगोष्ठी का उद्घाटन डीसी वरिंद कुमार शर्मा, प्रिंसिपल डॉ. मनोज कुमार, राष्ट्रीय तकनीकी संस्थान के निदेशक डॉ. एल्के अवस्थी ने ज्योति प्रज्वलित करके किया।



डेविट में मानव संसाधन विकास मंत्रालय की ओर से विज्ञान एवं प्रौद्योगिकी में वैज्ञानिक एवं तकनीकी शब्दावली विषय पर संगोष्ठी का उद्घाटन किया गया।

निदेशक डॉ. एल्के अवस्थी ने आयोजन में हिंदी भाषा का प्रयोग करने की बात कही। उन्होंने कहा है कि हिंदी भाषा के माध्यम से अपने विचार प्रयोग सरल ढंग से कर सकते हैं। हिंदी भाषा का प्रचार दिन-प्रतिदिन बढ़ता जा रहा है। हिंदी

भाषा के माध्यम से हमारे व्यक्तित्व के सामने आसानी के अपने विचार प्रकट कर सकते हैं। प्रिंसिपल डॉ. मनोज कुमार ने कहा कि पठन प्रक्रिया में हिंदी का अधिक प्रयोग

करना चाहिए। चर्चित समय में हिंदी भाषा अलग तरह अलग कर रही है। मौके पर डॉ. प्रिंसिपल डॉ. मनोज कुमार ने कहा कि पठन प्रक्रिया में हिंदी का अधिक प्रयोग

'बच्चों को क्षेत्रीय भाषा में पढ़ाया जाना चाहिए'

जम्मू काश्मीर सरकार, जम्मू: डेविट में मानव संसाधन विकास मंत्रालय की ओर से बुधवार को विज्ञान एवं प्रौद्योगिकी में वैज्ञानिक एवं तकनीकी शब्दावली विषय पर दो दिवसीय राष्ट्रीय संगोष्ठी में एमएचआरडी के सीएसटीडी के असिस्टेंट डायरेक्टर शिव कुमार चौधरी व रिटावर्ड असिस्टेंट डायरेक्टर एससी एल शर्मा ने शिरकत की। मुख्यातिथि शिव कुमार चौधरी ने कहा कि जो बच्चे गरीबी से निचे रहते हैं, वे बीच में ही पढ़ाई छोड़ जाते हैं। पढ़ाई छोड़ने का कारण भाषा भी है। क्षेत्रीय भाषा में पढ़ाए जाने से तीन में से दो विद्यार्थी कॉलेज व तकनीकी संस्था छोड़ जाते हैं। विद्यार्थी स्कूल से हिंदी मीडियम कर कॉलेज में दाखिला लेता है, पर उसे अंग्रेजी में पढ़ने में मुश्किल आती है। पहले वह अंग्रेजी भाषा को सीखनी की कोशिश करता है। मुख्यातिथि एमके चौधरी ने कहा कि विद्यार्थी को क्षेत्रीय भाषा में पढ़ाना चाहिए।



रूट्टे को संबोधित करते असिस्टेंट डायरेक्टर शिव कुमार चौधरी।

रूट्टे को संबोधित करते असिस्टेंट डायरेक्टर शिव कुमार चौधरी।

Punjab Kesri 14-09-2017

डेविट में वैज्ञानिक तथा तकनीकी शब्दावली विषय पर सैमीनार आयोजित

जालंधर, 13 सितम्बर (तलवाड़): डी.ए.वी. इंस्टीट्यूट ऑफ इंजीनियरिंग एंड टेक्नोलॉजी (डेविट) में साइंस तथा प्रौद्योगिकी में वैज्ञानिक एवं तकनीकी शब्दावली विषय पर 2 दिवसीय नेशनल सैमीनार का आयोजन किया गया, जिसका मुख्य उद्देश्य हिन्दी तथा अन्य क्षेत्रीय भाषाओं में वैज्ञानिक तथा तकनीकी शब्दावली के उपयोग को बढ़ावा देना है। सैमीनार का शुभारम्भ मुख्यातिथि डिप्टी कमिश्नर जालंधर वरिन्द कुमार शर्मा ने ज्योति प्रज्वलित कर किया। उन्होंने वैज्ञानिक तथा तकनीकी शब्दावली को हिन्दी तथा अन्य भाषाओं में परिचित करने के लिए सी.एस.टी.डी. द्वारा किए गए



ज्योति प्रज्वलन उपरांत डिप्टी कमिश्नर वरिन्द कुमार शर्मा, साथ ही प्रि. डा. मनोज कुमार, प्रो. ललित अवस्थी, व अन्य। (कृपण)

प्रयासों को सराहना की। उन्होंने कहा कि दूर-दराज के क्षेत्रों में रहने वालों जिनको पकड़ अंग्रेजी में कमजोर है, के लिए यह कदम बेहद फायदेमंद साबित होगा। वी.आर. अम्बेदकर एन.आई.टी.

कुमार ने कहा कि आधुनिक समय साइंस तथा टेक्नोलॉजी द्वारा संचालित है। डेविट राष्ट्रीय भाषा के प्रसार की राष्ट्रीय नीति के अनुरूप काम करने के लिए प्रतिबद्ध है ताकि विद्यार्थियों को जिम्मेदार एवं इमानदार नागरिक बनाया जा सके। एल्गाइड साइंस की विभागाध्यक्ष डा. कंचन एल. सिंह ने हिन्दी के उपयोग को लोकप्रिय बनाने की आवश्यकता पर प्रकाश डाला। उन्होंने कहा कि इस प्रयास में कई चुनौतियां हैं फिर भी हम सभी को शुरूआती कदम उठाना होगा। इस मौके पर डा. सोनिया चावला, डा. सुधीर शर्मा, गौरव धूरिया, प्रवीण कक्कड़ आदि विशेष तौर पर उपस्थित थे।

Dainik Bhaskar 14-09-2017

डेविट में एमएचआरडी के 'कमीशन फॉर साइंटिफिक एंड टेक्नोलॉजी टर्मिनोलॉजी' ने कर्वाया सैमीनार जो इंग्लिश में कंफर्टेबल नहीं, उनके पास अपनी भाषा में साइंस पढ़ने की ऑप्शन हो : डॉ. मनोज

डीसी वरिंद कुमार शर्मा और मनआरडी के डायरेक्टर डॉ. बीआर अम्बेडकर चौक गेट पर थे



प्रो. ललित अवस्थी ने वताया - चीन, जापान और कोरिया में लोग साइंस और टेक्नोलॉजी अपनी भाषा में पढ़ते हैं

डेविट में हिंदी विषय पर एमएचआरडी के 'कमीशन फॉर साइंटिफिक एंड टेक्नोलॉजी टर्मिनोलॉजी' के दो दिवसीय नेशनल सैमीनार का आयोजन किया गया। संगोष्ठी का उद्घाटन डीसी वरिंद कुमार शर्मा, प्रिंसिपल डॉ. मनोज कुमार, राष्ट्रीय तकनीकी संस्थान के निदेशक डॉ. एल्के अवस्थी ने ज्योति प्रज्वलित करके किया। उन्होंने वैज्ञानिक तथा तकनीकी शब्दावली को हिन्दी तथा अन्य भाषाओं में परिचित करने के लिए सी.एस.टी.डी. द्वारा किए गए

प्रयासों को सराहना की। उन्होंने कहा कि दूर-दराज के क्षेत्रों में रहने वालों जिनको पकड़ अंग्रेजी में कमजोर है, के लिए यह कदम बेहद फायदेमंद साबित होगा। वी.आर. अम्बेदकर एन.आई.टी.

कुमार ने कहा कि आधुनिक समय साइंस तथा टेक्नोलॉजी द्वारा संचालित है। डेविट राष्ट्रीय भाषा के प्रसार की राष्ट्रीय नीति के अनुरूप काम करने के लिए प्रतिबद्ध है ताकि विद्यार्थियों को जिम्मेदार एवं इमानदार नागरिक बनाया जा सके। एल्गाइड साइंस की विभागाध्यक्ष डा. कंचन एल. सिंह ने हिन्दी के उपयोग को लोकप्रिय बनाने की आवश्यकता पर प्रकाश डाला। उन्होंने कहा कि इस प्रयास में कई चुनौतियां हैं फिर भी हम सभी को शुरूआती कदम उठाना होगा। इस मौके पर डा. सोनिया चावला, डा. सुधीर शर्मा, गौरव धूरिया, प्रवीण कक्कड़ आदि विशेष तौर पर उपस्थित थे।

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Punjab Kesri 15-09-2017

डेविट में वैज्ञानिक तथा तकनीकी शब्दावली विषय पर सैमीनार सम्पन्न

जालंधर, 14 सितम्बर (तलवाड़): डी.ए.वी. इंस्टीट्यूट ऑफ इंजीनियरिंग एंड टेक्नोलॉजी (डेविट) में वैज्ञानिक तथा तकनीकी शब्दावली विषय पर आयोजित सैमीनार के अंतिम दिन एस.सी.एल. शर्मा, रिटावर्ड असिस्टेंट डायरेक्टर सी.एस.टी.डी., डा. विक्रमादित्य दावे, प्रो. विजय कुमार, डा. प्रदीप गोयल, डा. एम.एम. शर्मा विशेष तौर पर उपस्थित हुए।



सैमीनार में उपस्थित गण्यमान्यों को सर्टीफिकेट देते प्रि. डा. मनोज कुमार व अन्य।

डेविट में हिंदी विषय पर एमएचआरडी के 'कमीशन फॉर साइंटिफिक एंड टेक्नोलॉजी टर्मिनोलॉजी' के दो दिवसीय नेशनल सैमीनार का आयोजन किया गया। संगोष्ठी का उद्घाटन डीसी वरिंद कुमार शर्मा, प्रिंसिपल डॉ. मनोज कुमार, राष्ट्रीय तकनीकी संस्थान के निदेशक डॉ. एल्के अवस्थी ने ज्योति प्रज्वलित करके किया। उन्होंने वैज्ञानिक तथा तकनीकी शब्दावली को हिन्दी तथा अन्य भाषाओं में परिचित करने के लिए सी.एस.टी.डी. द्वारा किए गए

प्रयासों को सराहना की। उन्होंने कहा कि दूर-दराज के क्षेत्रों में रहने वालों जिनको पकड़ अंग्रेजी में कमजोर है, के लिए यह कदम बेहद फायदेमंद साबित होगा। वी.आर. अम्बेदकर एन.आई.टी.

डेविट में हिंदी विषय पर एमएचआरडी के 'कमीशन फॉर साइंटिफिक एंड टेक्नोलॉजी टर्मिनोलॉजी' के दो दिवसीय नेशनल सैमीनार का आयोजन किया गया। संगोष्ठी का उद्घाटन डीसी वरिंद कुमार शर्मा, प्रिंसिपल डॉ. मनोज कुमार, राष्ट्रीय तकनीकी संस्थान के निदेशक डॉ. एल्के अवस्थी ने ज्योति प्रज्वलित करके किया। उन्होंने वैज्ञानिक तथा तकनीकी शब्दावली को हिन्दी तथा अन्य भाषाओं में परिचित करने के लिए सी.एस.टी.डी. द्वारा किए गए

प्रयासों को सराहना की। उन्होंने कहा कि दूर-दराज के क्षेत्रों में रहने वालों जिनको पकड़ अंग्रेजी में कमजोर है, के लिए यह कदम बेहद फायदेमंद साबित होगा। वी.आर. अम्बेदकर एन.आई.टी.



Commission for Scientific and Technical Terminology

Ministry of Human Resource Development

(Department of Higher education)

Govt of India, New Delhi

LIST OF PARTICIPANTS

Programme : National Seminar on “Scientific and Technical Terminology in Science and Technology”

Place : DAV Institute of Engineering and Technology), Kabir Nagar, Jalandhar

Date : 13.09.2017 and 14.09.2017

(A) Resource Persons:

S. No.	Name Resource Persons	Designation & Official Address
RP-1	Shri S.C.L. Sharma	Retd. Asst Director(Mech.), CSTT,MHRD,New Delhi
RP-2	Dr Vikramaditya Dave,	Asst. Professor,Deptt. of EE, College of Technology and Engineering,MPAU,Udaipur
RP-3	Prof. Vijay Kumar Jadon	Professor,Deptt of Mechanical Engg.,Chitkara University, Chandigarh
RP-4	Dr. Pradeep Goyal	Asso Professor, Deptt. of Civil Engg., Govt. Engg. College, Ajmer
RP-5	Dr. M.M. Sharma,	Executive Director, NIELIT, C-134, Sahibzada Ajit Singh Nagar, Mohali (Punjab)
RP-6	Dr. Manoj Kumar	Principal, DAVIET, Jalandhar, Punjab

(B) Participants:-

S. No.	Name & Designation of Participants	Subjects	Official Address
1	Dr. Neeru Malhotra, Asso Professor	ECE	DAV Inst. of Engg. and Tech., Jalandhar
2	Dr. Jagjit Malhotra, Asso Professor	ECE	-DO-
3	Dr Jagroop Singh Asso Professor	ECE	-DO-
4	Mrs. Bindia Jain, Assistant Professor	ECE	-DO-
5	Mrs. Aarti Kochher, Asst Professor	ECE	-DO-
6	Ms. Komal, Assistant Professor	Chem	-DO-
7	Ms. Poonam Sethi, Asst Professor	ECE	-DO-
8	Mr. Hari Singh, Asst Professor	ECE	-DO-
9	Mr R. S.Randhawa, Asst. Professor	ECE	-DO-
10	Mr Amit Arora, Asst Professor	ECE	-DO-
11	Mr Rajesh Wadhwa, Asst Professor	ECE	-DO-
12	Mr. Ashish Malhotra, Asst Professor	ECE	-DO-
13	Mr Ganesh Chand, Asst Professor	ECE	-DO-
14	Mr N.S. Rekhi, Asst Professor	ECE	-DO-
15	Ms. Risha Sharma, Asst Professor	ECE	-DO-
16	Mr. Vishav Kapoor, Asst Professor	ECE	-DO-
17	Dr Ashok Kumar, Asst Professor	Chem	-DO-
18	Dr Rajni Sharma, Asst Professor	Maths	-DO-
19	Mr Kamal Kishore, Asst Professor	Physics	-DO-
20	Mr S. K. Sachdeva, Asst Professor	Maths	-DO-
21	Ms Neeru Sharma, Asst Professor	Maths	-DO-
22	Ms Suman Arora, Asst Professor	Maths	-DO-
23	Dr Amit Sharma, Asst Professor	Maths	-DO-
24	Ms Shivani Vij, Asst Professor	Physics	-DO-
25	Mr Ashwani Gupta, Asst Professor	Maths	-DO-
26	Mr Nitin Kalra, Asst Professor	Maths	-DO-
27	Dr. Bhupinder, Asst Professor	Chem	-DO-
28	Ms Payal Sharma, Asst Professor	Physics	-DO-
29	Ms Harpreet bajaj, Asso Professor	CSE	-DO-
30	Mr. Parveen Kakkar, Asst Prof.	CSE	-DO-

31	Dr Vinay Chopra, Asst Professor	CSE	-DO-
32	Ms Shaweta Angurala, Asst Prof.	CSE	-DO-
33	Ms. Sonali Talwar, Asst Professor	CSE	-DO-
34	Mr. Dheeraj Kapila, Asst Prof	CSE	-DO-
35	Mr. Gursewak Singh, Asst Prof	CSE	-DO-
36	Dr. Dinesh Kumar, AssoProfessor	IT	-DO-
37	Mr. P.S. Mann, Asst Professor	IT	-DO-
38	Mr. Rajeev Sharma, Asst Professor	IT	-DO-
39	Ms Avani Bhatia, Asst Professor	IT	-DO-
40	Mr. Rajesh Kochher, Asst Prof	IT	-DO-
41	Ms. Neetika Bhardwaj, Asst Prof	IT	-DO-
42	Ms. Rajinder Vir, Asst Professor	IT	-DO-
43	Mr. Hartej Singh, Asst Professor	IT	-DO-
44	Dr Sudhir Sharma, Asso Professor	EE	-DO-
45	Ms Chintu Rza, Asst Professor	EE	-DO-
46	Ms Shivani Mehta , Asst Professor	EE	-DO-
47	Mr Baljit Singh, Asst Professor	EE	-DO-
48	Mr Sushil Prashar, Asst Professor	EE	-DO-
49	Ms. P. K.Bhatia, Asst Professor	EE	-DO-
50	Ms. Anchal Wadhwa, Asst Prof	EE	-DO-
51	Ms. Sumeet Kaur, Asst Professor	EE	-DO-
52	Mr. G.K. Dhuria, Asso Professor	ME	-DO-
53	Dr. Sanjeev Saini , Asst Professor	ME	-DO-
54	Mr. Pankaj Sadana, Asst Professor	ME	-DO-
55	Mr. Ramandeep Singh, Asst Prof	ME	-DO-
56	Mr. D. Priyadarshi, Asst Professor	ME	-DO-
57	Mr. S K Uppal, Asst Professor	ME	-DO-
58	Mr. Ankush Kolhi, Asst Professor	ME	-DO-
59	Mr. Gurveen Singh, Asst Professor	ME	-DO-
60	Mr. Chetan Darshan, Asst Professor	ME	-DO-
61	Mr. Aman Maini, Asst Professor	ME	-DO-
62	Dr. Sanjeev Naval, Associate Professor	CE	-DO-

63	Dr. Sanjay Goel, Assistant Professor	CE	-DO-
64	Ms. Sonia Chutani, Assistant Professor	CE	-DO-
65	Mr. Sudhir Jala, Assistant Professor	CE	-DO-
66	Mr. Govind Khurana, Assistant Professor	CE	-DO-
67	Mr. M K Kaushik, Assistant Professor	CE	-DO-
68	Mr. Manpreet S.Bedi, Assistant Professor	CE	-DO-
69	Mr. Manish Bhutani, Assistant Professor	CE	-DO-
70	Mr. Sahul Goyal, Assistant Professor	MCA	-DO-
71	Mrs. Jasdeep Kaur Johal, Asst Professor	MCA	-DO-
72	Mrs. Reeta Bhardwaj, Assistant Professor	MCA	-DO-
73	Mr. J. S.Dhillon, Assistant Professor	MCA	-DO-
74	Mr. Gagan Kumar, Assistant Professor	MCA	-DO-
75	Mrs. Neetu Gahlawat, Assistant Professor	MCA	-DO-
76	Mr. Abhishek Bhardwaj, Asst Professor	CSE	CT I E M & Technology, Jalandhar
77	Ms. Sukhvair Kaur , Asst Professor	IT	CT I E M & Technology, Jalandhar
78	Ms Saloni, Assistant Professor	Physics	HMV,Jalandhar
79	Ms. Ashu Bahl, Assistant Professor	Maths	DAV College , Jalandhar
80	Mr Gagandeep Aul, Assistant Professor	ECE	DAV university, Jalandhar
81	Dr. Jatinder Paul Sharma, Asst Professor	Physics	LPU, Phagwara
82	Dr. Arshdeep Singh, Asst Professor	Physics	DOABA College, Jalandhar
83	Dr. Sharanjeet Sandhu, Asst Professor	Physics	DAV College, Jalandhar
84	Ms. Gagandeep, Asstt Professor	Maths	HMV College , Jalandhar
85	Mr Tapan Sharma, Assistant Professor	IT	DAV university, Jalandhar,
86	Mr Sanjeev Mahajan, Assistant Professor	ECE	CTIEMT, Shahpur, Jalandhar
87	Mr. Ajit Singh	MCA	CTIMIT,Jalandhar
88	Dr. Gurmeet Singh, Assistant Professor	Physics	DAV College, Jalandhar
89	Ms. Sarbjot Kaur, Assistant Professor	MCA	DAV Inst. of Engg. and Tech., Jalandhar
90	Dr. Inderjeet Kaur, Assistant Professor	Biotechnology	Lyallpur Khalsa College, Jalandhar.
91	Dr Rupesh Kumar, Assistant Professor	Chem	IKGPTU,Kapurthala
92	Mr Inderjit Singh, Assistant Professor	ECE	DAV university, Jalandhar
93	Ms Simran Kaur, Assistant Professor	EE	DAV university, Jalandhar
94	Ms Harpreet Kaur,	Maths	LLRIET, Moga
95	Mr. Amit Sharma, Assistant Professor	Maths	JCDAV College,Dasuya

96	Mr Vikramjeet Singh, Assistant Professor	ECE	DAV university, Jalandhar
97	Ms. Sapna Kumari, Assistant Professor	CSE	BBKDAV college for women, Amritsar
98	Dr. Parveen Kumar, Assistant Professor	Physics	DAV university, Jalandhar
99	Dr. Jagdish Kumar, Assistant Professor	Physics	Central University of Himachal Pradesh, Kangra
100	Ms. Divya Sharma, Assistant Professor	CSE	ACET, Amritsar

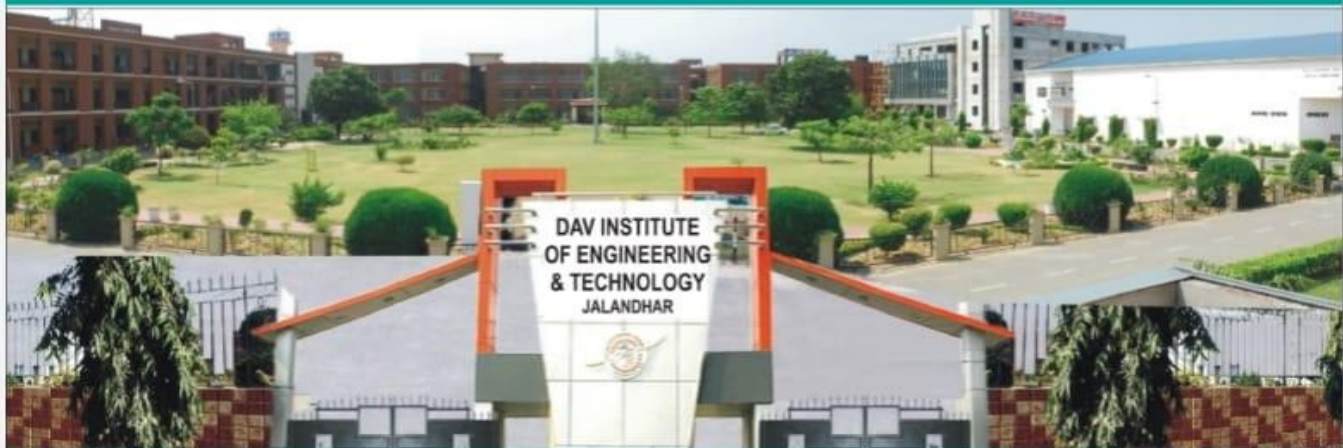
FACULTY DEVELOPMENT PROGRAMME
On
Quality Teaching Strategies for
Outcome Based Education
1st to 12th January, 2018



DAVIET
ENGINEERING FUTURES
THROUGH INNOVATION



PTU



Organized by :
DAV Institute of Engineering & Technology, Jalandhar
In Collaboration with
I.K. Gujral Punjab Technical University
Main Campus, Near Pushpa-Gujral Science City
Kapurthala - 144603

Email : deanacademics@davietjal.org, mba@davietjal.org
Contact No. : 9888250412, 8427600202

About the University

I.K. Gujral Punjab Technical University (IKGPTU) was established by an Act of State Legislature on 16th January, 1997 to promote technical, management and pharmaceutical education in the state at degree level and above. It was established as Punjab Technical University and renamed as I.K. Gujral Punjab Technical University by State Government in the honor to Late Sh. Inder Kumar Gujral, Former Prime Minister of India in 2015. The University has the mandate to set up centres of excellence in emerging technologies and for promoting training, research and development in these areas. The University has undertaken the task of training students to help in the development of skilled manpower in this sector in the country in general and in the state in particular. With this goal in mind, the university is promoting a number of courses in different streams in regular as well as distance education programmes. At present University have 121 AICTE and 65 UGC institutes affiliated with it. IKGPTU has bagged the much coveted Best Technical University Award for the year 2013. The Award, instituted by Indian Society for Technical Education (ISTE) and Kalinga Institute of Industrial Technology (KIIT), Bhubaneswar, encourages technical universities to enhance their performance and to serve the community as well as stakeholders by improving quality and maintaining the standard of the programs offered.

About DAV Institute of Engg. & Technology, Jalandhar

DAV Institute of Engg. & Technology (DAVIET) is a premier professional Institution of DAV College Managing Committee, New Delhi. Having been awarded as the Best Engineering College of IKG Punjab Technical University, the Institute is also ranked 10th amongst "Top Engineering Colleges of Excellence" in India. Ours is a Microsoft certified and Wipro accredited campus. We have been granted 05 Patents and ours is the first Institute to establish a Research Centre of Nanotechnology in the state of Punjab. In addition, we have also set up a vibrant Centre of Incubation and Entrepreneurship. Our USPs include contemporized learning through MOOCs and virtual labs, Employment Skills Training, Innovative Research Projects, Student-centric ICT enabled learning Environment, Vibrant focus on Entrepreneurship, Greater Industry-Academia Linkage etc. Further in order to internationalize the learning paradigm, we have key academic MoUs with University of Ontario Canada, NIT Delhi, NIT Jalandhar and NIT Hamirpur etc. coupled up with industry tie-ups with Microsoft, Texas Instruments, CISCO, Reliance Jio etc. We have a fully Computerized and Digitized Library with E-Resources for students & faculty through IEEE Xplore, McGraw Hill Access Library, Access Method for Science Direct, Access Methods for J-Gate, ASTM collection list, Springer Link, Access Methods for ASCE Journals, EBSCO and NPTEL Video Lectures.

About Faculty of Teacher Training and Education

The Faculty of Teacher Training and Education, earlier known as PITTR, has been rendering remarkable service to technical education in the country specially in Punjab by offering training and Faculty Development Programmes. The university has signed MOUs with prestigious institutes and MNCs namely ISTE, NITTTR, Infosys, Wipro Mission 10X, IBM, Oracle and Success Mantra for undertaking collaborative programmes and projects for the benefits of students and teachers in the technical education institutes.

About FDP

The programme aims to facilitate and foster the necessitated change in the existing teaching-learning paradigm in order to improve the quality of professional education through Outcome Based Education (OBE). Accordingly, the present FDP aims to make a humble attempt to take up the issues of significance viz. pedagogy, content/effective instruction, methods of teaching, technology and education, challenges and remedies for the 21st century teacher, accreditation to name a few. In this sense, the FDP aims to cause much needed improvement(s) in teaching pedagogy so as to enhance the efficiency of course delivery and raise interest and motivation levels of the students and to provide broader exposure to the faculty members of the affiliated colleges. Under this conceptual framework, the programme shall hone the teaching skills of our teachers.

Programme Objectives:

- To understand the fundamental elements of effective teaching and learning;
- To understand varied learning contexts & the principles of constructive assessment;
- To facilitate exposure to the latest pedagogical methods including technology enabled learning;
- To focus on communication skills, ethics, behavioural sciences & attitude building;
- To understand the ethos of outcome based education for developing a clear and coherent vision of what is essentially important to our students and then innovate our curriculum, pedagogy and assessment/evaluation to measure the extent of the learning outcome(s);
- To offer requisite exposure for aligning quality teaching & learning with Accreditation(s).
- SAR form filling for NBA Accreditation.

Expected Outcomes:

The programme shall enable the participant to:

- Develop novel competencies for imparting quality education through effective teaching;
- Use the latest pedagogical methodologies;
- Understand the fundamentals of OBE and Accreditation.

Resource Persons:

Eminent academicians from top-notch Institutions viz. IIT Roorkee, IIT Ropar, NITTTT Chandigarh, IIM Amritsar, NIT Jalandhar, Thapar University Patiala, GNDU Amritsar and Panjab University Chandigarh etc. shall enlighten the participants during the programme.

The Participants:

The faculty members/research scholars from institutions affiliated to Universities/polytechnics are eligible to apply for the programme.

Number of Seats:

The number of seats for participation in this FDP is limited to 40 which shall be allocated on the basis of First-Come-First-Serve Basis.

Last Date of Application:

The registration process shall close on December 27, 2017 or receipt of 40 confirmed applications irrespective of the last date. So you are advised to apply at the earliest and confirm your participation.

Registration Fee:

- a) Registration fee is Rs. 500/- per faculty member (within institute) and Rs. 1000/- per faculty member (Outside).
- b) Accommodation will be charged extra and will only be provided to outstation participants (on twin sharing basis) in the institute/or nearby Hotel subject to availability of rooms and as per institute/hotel rates.

How to Apply:

Registration Form (Duly filled in) along with registration fee must be sent through Registered/Speed Post/Courier to Dr. Sonia Chawla, Dean (Academics), DAV Institute of Engg. & Technology, Jalandhar.

Mode of Payment:

The payment of the registration fee can be made through Online (NEFT), the details of which have been listed below:

Beneficiary Name	: DAV Institute of Engineering & Technology
Bank A/c	: 4699000100007826
Name of Bank	: Punjab National Bank, DAVIET Branch, Jalandhar
Branch IFSC	: PUNB0469900

Venue of FDP:

Seminar Hall, Ground Floor, DAVIET, Jalandhar.

Important Note:

1. FDP registration fee is not refundable.
2. Registration Form can be downloaded from our website: www.davietjal.org
3. All the participants must bring their own laptop along with power cords.
4. Participants interested for the accommodation should send a request mail to the FDP coordinator in advance.

Chief Patron

Vice-Chancellor, IKGPTU

Patron

Dr. Manoj Kumar
Principal, DAVIET

Co-ordinators

Dr. Sonia Chawla
Professor & Head (Business Management)
DAVIET, Jalandhar

Dr. Narinder K. Sharma
Assistant Prof. (English), DAVIET, Jalandhar

For any query please contact:

Dr. Sonia Chawla
Professor & Head (Business Management)
DAVIET, Jalandhar

Dr. Narinder K. Sharma
Assistant Prof. (English), DAVIET, Jalandhar

Email :
deanacademics@davietjal.org, mba@davietjal.org

Contact No. :
9888250412, 8427600202



FACULTY DEVELOPMENT PROGRAMME
On
Quality Teaching Strategies for
Outcome Based Education
1st to 12th January, 2018



REGISTRATION FORM

Name:

Designation:

Department:

Institute/College/University:

.....

Email ID: Contact No.:

Mailing Address:

.....

Academic Qualification:

Area of Specialization/Interest:

Accommodation Required (Yes/No):

Payment Details

1. Amount (Rs.) 2. NEFT Transaction Number

3. Date of Payment 4. Name of Bank & Branch

Note: Account Details for NEFT: Kindly See the Brochure or visit pittr.ptuac.in

I understand/state that:

1. I will not claim any T.A./D.A. by the organizers for participating in FDP.
2. I will bring my own laptop to gain hands on experience during the FDP.
3. I have to attend all the sessions of the FDP and be punctual.
4. I have taken the due permission from my employer for attending the FDP.

Date:

Signature of the participants

Place:

Note:

1. Scanned copy of dull filled registration form and payment detail must be send by email to deanacademics@davietjal.org.
2. FDP registration fee is non-refundable.

DAV INSTITUTE OF ENGINEERING & TECHNOLOGY, JALANDHAR
Faculty Development Programme

On
Quality Teaching Strategies for Outcome Based Education
1st to 12th January, 2018

Day/Date	Session-I 9:30-10:00 Registration	Session-II 10:00-11:30 Dr. Manoj Kumar Dr. Sonia Chawla	11:30- 12:00	Session-III 12:00-1:30 Dr. AkshayGirdhar (Vision, Mission, PE/Os)	1:30-2:30	Session-IV 2:30-4:00
1 st Jan. 2018 (Monday)						
2 nd Jan. 2018 (Tuesday)	Report of the Penultimate Day & Deliberations Session	Dr. Sukhwinder Singh (Students' Performance)		Dr. Sukhwinder Singh (Faculty Information and Contributions)		Dr. AkshayGirdhar Program Curriculum and Teaching Learning Processes
3 rd Jan. 2018 (Wednesday)	Report of the Penultimate Day & Deliberations Session	Dr. Sonia Chawla (Relevance of Institutional Rankings-NIRF)	Tea Break	Dr. S.C.Sahasrabudhe Course Outcomes and Program Outcomes, Evaluation Methodology	Lunch Break	Dr. Manoj Kumar (Engaging Students in Active and Inquiry Based Learning)
4 th Jan. 2018 (Thursday)	Report of the Penultimate Day & Deliberations Session	Dr. S.C.Sahasrabudhe (Curriculum and Teaching - Learning Processes)		Dr. Davinder Singh (Effective teaching strategies)		Dr. S.C.Sahasrabudhe Course Outcomes and Program Outcomes, Evaluation Methodology
5 th Jan. 2018 (Friday)	Report of the Penultimate Day & Deliberations Session	Dr. A.K. Vashist (Teaching Pedagogies and classroom management)		Dr. A.K. Vashist Teaching Pedagogies (Teaching Pedagogies and classroom management)		Dr. Davinder Singh (Role of Self Esteem in Quality teaching)
6 th Jan. 2018 7 th Jan. 2018	Saturday					
8 th Jan. 2018 (Monday)	Report of the Penultimate Day & Deliberations Session	Dr. B.S. Pabla (Committee Visit for NBA Accreditation)		Dr. B.S. Pabla (Committee Visit for NBA Accreditation)		Dr. Anish Dua (Excellence through OBE)
9 th Jan. 2018 (Tuesday)	Report of the Penultimate Day & Deliberations Session	Dr. Rajeev Jain (Instructional methodologies)		Dr. Rajeev Jain (Instructional methodologies)		Dr. Rajeev Jain (Instructional methodologies)
10 th Jan. 2018 (Wednesday)	Report of the Penultimate Day & Deliberations Session			Dr. Hardeep Singh Gill (Role of ICT on Technical Education)		Dr. Hardeep Singh Gill (Role of ICT on Technical Education)
11 th Jan. 2018 (Thursday)	Report of the Penultimate Day & Deliberations Session		Tea Break		Lunch Break	
12 th Jan. 2018 (Friday)	Report of the Penultimate Day & Deliberations Session	Dr. Binod Mishra (Role of communication for effective teaching)		Dr. Binod Mishra (Effective Body Language for Teaching)		Dr. Narinder Sharma
	SUNDAY					

DAV INSTITUTE OF ENGINEERING & TECHNOLOGY, JALANDHAR				
FACULTY DEVELOPMENT PROGRAMME				
On				
Quality Teaching Strategies for Outcome Based Education				
1st to 12th January, 2018				
S. No.	Certificate Serial No	Name of Father	Name of Faculty	Name of Father
1	192	Sh. Gurbax Rai	Dr. Manoj Kumar (Principal)	Sh. Gurbax Rai
2	193	Sh. Gurcharan Chawla	Dr. Sonia Chawla(Co-ordinator)	Sh. Gurcharan Chawla
3	194	Sh. Ramesh Kumar	Dr. Narinder K. Sharma (Co-ordinator)	Sh. Ramesh Kumar
4	195	Sh. M.R.Kochher	Ms. Manu Bhardwaj	Sh. M.R.Kochher
5	196	Sh. Karamveer	Ms. Nitika Wason	Sh. Karamveer
6	197	Sh. Mangat Sehgal	Dr. Ritu Sehgal	Sh. Mangat Sehgal
7	198	Sh. Krishna Singh	Dr. Kanchan L. Singh	Sh. Krishna Singh
8	199	Sh. Prem Nath	Ms. Payal Sharma	Sh. Prem Nath
9	200	Sh. Madhu Sudan Vij	Ms. Shivani Vij	Sh. Madhu Sudan Vij
10	201	Sh. Harmesh Prashar	Mr. Sushil Prashar	Sh. Harmesh Prashar
11	202	Sh. Satpal Sharma	Ms. Priyanka Sharma	Sh. Satpal Sharma
12	203	S. Uminder Singh Randhwa	Ms. Jasdeep Kaur	S. Uminder Singh Randhwa
13	204	Dr. J.N.Sharma	Ms. Risha Sharma	Dr. J.N.Sharma
14	205	Sh. Bhupendra Kaushik	Dr. M.K. Kaushik	Sh. Bhupendra Kaushik
15	206	Sh. Tarlok Singh	Mr. Jaswinder Singh	Sh. Tarlok Singh
16	207	Sh. Suraj Kant Vasudeva	Dr. Savdeep Vasudeva	Sh. Suraj Kant Vasudeva
17	208	Sh. Prithvi Raj	Dr. Sanjeev Naval	Sh. Prithvi Raj
18	209	Sh. Ashok Galhotra	Ms. Poonam Sethi	Sh. Ashok Galhotra
19	210	Sh. Harsh Bajaj	Mr. Anand Bajaj	Sh. Harsh Bajaj
20	211	Sh. Satpal Angurala	Ms. Shaveta Kalsi	Sh. Satpal Angurala
21	212	Sh. R.S. Bhatia	Ms. Avani Bhatia	Sh. R.S. Bhatia
22	213	Sh. Daljit Singh	Mr. Gursewak Singh	Sh. Daljit Singh
23	214	Sh. Ravinder Talwar	Ms. Sonali Talwar	Sh. Ravinder Talwar
24	215	Sh. Manjit Singh	Ms. Amanjot Kaur	Sh. Manjit Singh
25	216	Sh. Gurdev	Mr. Love Kumar	Sh. Gurdev
26	217	Sh. Pawan Khosla	Ms. Aarti Kochhar	Sh. Pawan Khosla
27	218	Sh. D.L. Kochher	Mr. Rajesh Kochher	Sh. D.L. Kochher
28	219	Sh. Rakesh Kumar	Mr. Gagan Kumar	Sh. Rakesh Kumar
29	220	Sh. Charanjit Lal	Mr. Sunil Kumar Sachdeva	Sh. Charanjit Lal
30	221	Sh. Khushal Chand	Mr. Ashwani Kumar	Sh. Khushal Chand
31	222	Sh. Hans Raj Kakkar	Mr. Parveen Kakkar	Sh. Hans Raj Kakkar
32	223	Sh. Girdhari Lal	Mr. Nitin Kalra	Sh. Girdhari Lal
33	224	Sh. Om Parkash	Ms. Anju Sharma	Sh. Om Parkash
34	225	Sh. Mehar Singh Mann	Dr. Palwinder Singh Maan	Sh. Mehar Singh Mann
35	226	Sh. Tilak Raj Chutani	Ms. Sonia Chutani	Sh. Tilak Raj Chutani
36	227	Sh. Ramjot Singh	Ms. Sumeet Kaur	Sh. Ramjot Singh
37	228	S. Gursharan Singh	Ms. Rajinder Vir	S. Gursharan Singh
38	229	S. Kamaljit Singh Bhatia	Ms. Prabhpreet Kaur Bhatia	S. Kamaljit Singh Bhatia

39	230	Mr. Surinder Pal	Ms. Sadhana Singh	Mr. Surinder Pal
40	231	Sh. Nanak Chand	Mr. Ganesh Chand	Sh. Nanak Chand
41	232	Sh. Darshan Garg	Ms. Bindiya Jain	Sh. Darshan Garg
42	233	S. Paramjit Singh	Mr. Baljit Singh	S. Paramjit Singh
43	234	Sh. S.C.Goel	Dr. Sanjay Goel	Sh. S.C.Goel
44	235	Sh. Som Nath Sharma	Dr. Rajeev Kumar	Sh. Som Nath Sharma
45	236	Sh. Narinder Mohan Bhardwaj	Ms. Reeta Bhardwaj	Sh. Narinder Mohan Bhardwaj
46	237	Sh. Manohar Lal	Dr. Amit Sharma	Sh. Manohar Lal
47	238	Sh. Pawan Kumar Goyal	Ms. Archana Aggarwal	Sh. Pawan Kumar Goyal
48	239	Sh. Ram Parkash Maini	Mr. Aman Maini	Sh. Ram Parkash Maini
49	240	Sh. J.L.Sadana	Mr. Pankaj Sadana	Sh. J.L.Sadana
50	241	Sh. Vijay Kumar Uppal	Mr. S.K.Uppal	Sh. Vijay Kumar Uppal
51	242	Sh. Gian Singh Bal	Mr. Raj Mohan Singh	Sh. Gian Singh Bal
52	243	S. Surjit Singh	Ms. Sarbjot Kaur	S. Surjit Singh
53	244	Sh. Kewal Krishan	Dr. Rajni Sharma	Sh. Kewal Krishan
54	245	Sh. Kewal Krishan	Ms. Neeru Bala	Sh. Kewal Krishan
55	246	Sh. Bal Krishan	Mr. Jaswinder Singh Dhillon	Sh. Bal Krishan
56	247	Sh. Jagdish Singh Bedi	Mr. M.S. Bedi	Sh. Jagdish Singh Bedi
57	248	Sh. Darshan Singh	Dr. Jagjit Singh Malhotra	Sh. Darshan Singh
58	249	Sh. K.L.Dweser	Dr. Devinder Priyadarshi	Sh. K.L.Dweser
59	250	Sh. Kartar Singh	Mrs. Harpreet Kaur Bajaj	Sh. Kartar Singh
60	251	Sh. Om Parkash Wadhwa	Mr. Rajesh Wadhwa	Sh. Om Parkash Wadhwa
61	252	Sh. Pawan Kumar Goyal	Mr. Sahul Goyal	Sh. Pawan Kumar Goyal
62	253	Sh. Ramesh Arora	Mr. Amit Arora	Sh. Ramesh Arora
63	254	Sh. Anil Bhutani	Mr. Manish Bhutani	Sh. Anil Bhutani
64	255	Sh. Atul Kumar Khurana	Mr. Gobind Khurana	Sh. Atul Kumar Khurana
65	256	Sh. Ramesh Kohli	Mr. Ankush Kohli	Sh. Ramesh Kohli
66	257	Sh. B.L.Makkar	Ms. Chintu Rza Makkar	Sh. B.L.Makkar
67	258	Sh. Pawan Kumar Bansal	Mr. Mani Bansal	Sh. Pawan Kumar Bansal
68	259	Sh. Prakash Chand	Mr. Sachin Kumar	Sh. Prakash Chand
69	260	Sh. Purushotham	Mr. Sudheer jala	Sh. Purushotham

FDP on “Quality Teaching Strategies for Outcome Based Education”

1 January, 2018



FDP on “Quality Teaching Strategies for Outcome Based Education”



FDP on “Quality Teaching Strategies for Outcome Based Education”

2 January, 2018



FDP on “Quality Teaching Strategies for Outcome Based Education”

3 January, 2018



FDP on “Quality Teaching Strategies for Outcome Based Education”

4 January, 2018



FDP on “Quality Teaching Strategies for Outcome Based Education”

5 January, 2018



FDP on “Quality Teaching Strategies for Outcome Based Education”

8 January, 2018



FDP on “Quality Teaching Strategies for Outcome Based Education”

9 January, 2018



FDP on “Quality Teaching Strategies for Outcome Based Education”

10 January, 2018



FDP on “Quality Teaching Strategies for Outcome Based Education”

11 January, 2018



FDP on “Quality Teaching Strategies for Outcome Based Education”

12 January, 2018



REPORT

FDP on Quality Teaching Strategies for Outcome Based Education

DAV Institute of Engineering and Technology has organized IKG Punjab Technical University sponsored Faculty Development Programme on Quality Teaching Strategies for Outcome Based Education from January 1, 2018 to January 12, 2017 . This FDP was conducted by Department of Business Management Department of DAV Institute of Engineering and Technology and 69 participants participated in this programme. The programme was inaugurated by Dr. Manoj Kumar, Principal DAVIET, Dr. Sonia Chawla, and HoD Business Management DAVIET. The aim of this programme was to facilitate and foster the necessitated change in the existing teaching-learning paradigm in order to improve the quality of professional education through Outcome Based Education. The resource persons for this FDP were invited from the leading institutes of the country. The FDP covered all the topics that were planned such as pedagogy, content/effective instruction, methods of teaching, technology and education, challenges and remedies for the 21st century teacher and NBA accreditation. This FDP will definitely bring the much needed improvement in teaching pedagogy so as to enhance the efficiency of course delivery, raise interest and motivation level of students and to provide the broader exposure to the faculty members.

FDP on “Quality Teaching Strategies for Outcome Based Education”

DAVIET organises faculty development programme



HARPREET SINGH LEHAL
JALANDHAR, JAN 2

DAV Institute of Engineering & Technology, Jalandhar inaugurated a two-week Faculty Development Programme on 'Quality Teaching Strategies for Outcome Based Education' today. The major topics of discussion throughout this programme are relevance of Institutional ranking-NIRF, course outcomes, program outcomes, evaluation methodology, effective teaching strategies, role of self esteem in quality teaching, curriculum & teaching-learning processes, teaching pedagogies & Classroom management, instructional methodologies, role of ICT in technical education, role of communication for effective teaching, effective body language for teaching, excellence through OBE and so on. As many as 60 faculty members are participating in this programme. Dr. Sonia Chawla, Convener, FDP, welcomed the participants and speakers of the day. She introduced the audience with different aspects to be covered under this two-week programme. She threw light on different speakers of this Faculty Development Programme.

FDP on “Quality Teaching Strategies for Outcome Based Education”

Punjab News Channel

03-01-2018

Faculty Development Programme on “Quality Teaching Strategies for Outcome Based Education” inaugurated at DAVIET



Jalandhar 2 January (Gurkirat Singh)- DAV Institute of Engineering & Technology, Jalandhar inaugurated a two-week Faculty Development Programme on ‘Quality Teaching Strategies for Outcome Based Education’ on Jan 1, 2018. The major topics of discussion throughout this programme are relevance of Institutional ranking-NIRF, course outcomes, program outcomes, evaluation methodology, effective teaching strategies, role of self esteem in quality teaching, curriculum & teaching-learning processes, teaching pedagogies & Classroom management, instructional methodologies, role of ICT in technical education, role of communication for effective teaching, effective body language for teaching, excellence through OBE and so on. As many as 60 faculty members are participating in this programme. Dr. Sonia Chawla, Convener, FDP, welcomed the participants and speakers of the day. She introduced the audience with different aspects to be covered under this two-week programme. She threw light on different speakers of his Faculty Development Programme. Sh. Surinder Seth, Editor, Dainik Bhaskar, threw light on vision, mission and quality education. Dr. Manoj Kumar, Principal, DAVIET, discussed some aspects of quality teaching strategies for outcome based education. Dr. Akshay Girdhar, Prof. and Controller of Examination, Guru Nanak Dev Engineering College, Ludhiana, discussed the outcome based education and threw light on its benefits. He also discussed various aspects of continuous quality improvement. He focused on Graduate Attributes of NBA for UG Engineering. The participants got benefit of the edifying lectures of the day.

Annual Report-2017-18

During the academic year 2017-18 a national conference on the topic “**Technical Terminology in Science and Technology**” was organised from 13/09/2017 to 14/09/2017. This conference was sponsored by CSTT, MHRD, and New Delhi. In this conference a total of 100 faculty members participated.

The institute organised Two Week Faculty Development Programme on the topic “**Quality Teaching Strategies for Outcome Based Education**”. The Faculty Development Programme was organised from 1st to 12th January, 2018. This Faculty Development Programme was organised in collaboration with I.K. Gujral Punjab Technical University. The resource persons for the FDP were from the leading institutes of the country. A total of 69 participants attended this Faculty Development Programme.

2019-2020



One week
**AICTE & IKGPTU Sponsored
 Faculty Development Program**
 on
**Recent Trends in
 Renewable Energy
 Sources & Technologies**
 (25th to 29th November, 2019)



DAVIET
 ENGINEERING FUTURES
 THROUGH INNOVATION

Department of Electrical Engineering
DAV Institute of Engg. & Technology
 (Accredited by NAAC with "A" Grade)
 Kabir Nagar, Jalandhar-144008

About the Institution

DAV Institute of Engineering & Technology Jalandhar got established in year 2001 under the aegis of DAV college Managing committee. The institute is approved by AICTE and affiliated to Punjab Technical University, Jalandhar. The institute has a beautiful campus located in the heart of city and spread over an area of about 18 acres. The institute has been ranked as top college of Engineering and awarded the certificate of excellence for exemplary contribution in the field of Higher Education and also ranked 15th amongst the best private engineering colleges of north India by India Today MDRA survey 2019. DAVIET is carrying out original research of significance and technology development at the cutting edge. The Institute not only celebrates freedom of thought, cultivates vision and encourages growth, but also inculcates human values and concern for the environment and the society.

About the Department

Department of Electrical Engineering started its undergraduate program of in DAVIET with an intake of 60 students in 2002. The post graduate program in Electrical Engineering with an intake of 18 students was introduced in 2011.



About the Programme

Renewable Energy is the energy extracted from resources which are renewable in nature and cause minimum loss to the environment as compared to the conventional fossil based resources. The renewable energy resources, systems and technologies has become the major concern nowadays to fulfill the increasing energy demand and growing environmental issues. The availability of suitable and sufficient energy sources, development of environmental friendly utilization technologies and the cost of energy have been extremely important factors that require major thought and hence research. So there is a need to track these changes with updates in advances in technology in this area. The aim of the FDP is to impart research skills and knowledge to the beginners and existing researchers so as to improve the quality of research in the area of thermal energy and about extracting renewable energy. This programme will bring a beneficial change among the faculty members towards research and enable the participants to develop competence in understanding recent advances in renewable energy sources, systems and technologies.



Programme Highlights

- Overview of Renewable Energy Sources & Technologies
- Micro grids and smart grids
- RES and Distributed Generation
- Power System Operation
- Application of soft computing in RES
- Hardware – in the- loop simulation using Typhoon HIL
- Real time simulations of MPPT boost converter, micro grids, electric vehicles, etc)
- Energy Storage Systems
- Converters topologies and design

Registration

Registration form in the prescribed format approved/sponsored by competent authority should reach to the Course Coordinator on or before November 15, 2019 with a refundable draft of Rs. 1000 (security) in favour of "Principal DAVIET Jalandhar". No TA/DA will be paid for attending the FDP.

Important Dates:

Last Date of registration: 15th Nov. 2019
Acceptance Notification: 20th Nov. 2019

Patron

Dr. Manoj Kumar, Principal

Organizing Chair

Dr. Sudhir Sharma
(Dean Academics & Head (EE))

Coordinators

Dr. Chintu Rza (AP, EE)
Ms. Shivani Mehta (AP, EE)

Organizing Committee

Mr. Baljit Singh (AP, EE)
Mr. Sushil Prashar (AP, EE)
Mr. Kamal Kishore (AP, AS)
Mr. Rahul Sharma (AP, EE)
Mr. Inderdeep Singh (AP, EE)
Mr. Sukhjinder Singh (AP, EE)

Address for correspondence

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(Assistant Professor, EE)
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DAV Institute of Engineering & Technology,
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Tel No.: 0181-2200126, 2200232, 2207650
Fax: 0181-2205851, 2202346
Email ID: ee@davietjal.org

One Week AICTE & IKGPTU Sponsored Faculty Development Program

on
Recent Trends in
Renewable Energy Sources & Technologies
(25th Nov. 2019 to 29th Nov, 2019)

Name:

Designation:

Department:

Institution:

Address:

Email Id:

Contact No.:

Signature of the Participant

Prof./Dr/Mr./Mrs.....
is permitted to attend the FDP for the entire
duration if selected.

Place:.....

Date:

Approving Authority
(Signature and Seal)

DAV INSTITUTE OF ENGINEERING & TECHNOLOGY, JALANDHAR
Faculty Development Programme

On

“Recent Trends in Renewable Energy Sources & Technologies” from 25-29 Nov, 2019

Revised Schedule

Day/Date	9:00A.M-9:30A.M	9:30A.M-10:00A.M	10:00A.M – 12:00 noon	12:00noon – 02:00P.M	02:00P.M-02:30P.M	02:30P.M-04:30P.M
DAY-I 25-11-2019	Registration	Inauguration & High Tea	Session I Dr. Mukesh Singh (Thapar University)	Session-II Dr. Sarbjit Singh Sooch, (PAU Ludhiana)	Lunch Break	Session-III Ms. Archana Sukhija
Day/Date	9:30A.M-11:30A.M Session-I	11:30A.M-01:30P.M Session-II	1:30P.M-2:30P.M	2:30P.M-4:30P.M Session-III		
DAY-II 26-11-2019	Dr. Manoj Kumar (Principal DAVIET)	Mr. Meraj Akthar (Quarbz Info System) / Ms. Shivani Mehta, (AP,EE)	Lunch Break	Mr. Meraj Akthar (Quarbz Info System) / Ms. Shivani Mehta, (AP,EE)		
DAY-III 27-11-2019	Mr. Shashank Kumar (Quarbz Info System)/ Dr. Chintu Rza (AP,EE)			Mr. Shashank Kumar (Quarbz Info System)/ Dr. Chintu Rza (AP,EE)		
DAY-IV 28-11-2019	Mr. Manish Kakkar (Solar First Energy Pvt. Ltd.)	Dr. Sudhir Sharma (HOD,EE)		Dr. Y.P Verma (UIET, Chandigarh)		
DAY-V 29-11-2019	Dr. Ashwani Kumar (NIT Kurukshetra)	Dr. Tarlochan Kaur (PEC, Chandigarh)		Dr. Sandeep Kaur (PEC, Chandigarh)		
				Valediction 4:30 P.M		

❖ Five Minutes Tea Break after First & Third Session Daily.

DAV INSTITUTE OF ENGINEERING & TECHNOLOGY, JALANDHAR

Faculty Development Programme

On

“Recent Trends in Renewable Energy Sources & Technologies” from 25-29 Nov, 2019

Schedule

Day/Date	9:00A.M- 9:30A.M	9:30A.M- 10:00A.M	10:00A.M – 12:00 noon	12:00noon – 02:00P.M	02:00P.M- 02:30P.M	02:30P.M- 04:30P.M
DAY-I 25-11-2019	Registration	Inauguration & High Tea	Session I Dr. Mukesh Singh (Thapar University)	Session-II Dr. Sarbjit Singh Sooch, (PAU Ludhiana)	Lunch Break	Session-III Ms. Archana Sukhija

Day/Date	9:30A.M-11:30A.M Session-I	11:30A.M-01:30P.M Session-II	1:30P.M-2:30P.M	2:30P.M-4:30P.M Session-III
DAY-II 26-11-2019	Mr. Meraj Akthar /Dr. Sudhir Sharma (Quarbz Info System)/(HOD,EE)		Lunch Break	Mr. Meraj Akthar/Ms. Shivani Mehta (Quarbz Info System) (AP,EE)
DAY-III 27-11-2019	Mr. Shashank Kumar / Dr. Chintu Rza (Quarbz Info System)/(AP,EE)			Mr. Shashank Kumar (Quarbz Info System)
DAY-IV 28-11-2019	Mr. Manish Kakkar (Solar First Energy Pvt. Ltd.)	Dr. Ashwani Kumar (NIT Kurukshetra)		Dr. Y.P Verma (UIET, Chandigarh)
DAY-V 29-11-2019	Dr. Manoj Kumar (Principal DAVIET)	Dr. Tarlochan Kaur (PEC, Chandigarh)		Dr. Sandeep Kaur (PEC, Chandigarh)
				Valediction 4:30 P.M

❖ Five Minutes Tea Break after First & Third Session Daily.

DAV INSTITUTE OF ENGINEERING & TECHNOLOGY, JALANDHAR
Faculty Development Programme
On
“Recent Trends in Renewable Energy Sources & Technologies” from 25-29 Nov, 2019
List of Resource Person

S. No.	Name of Resource Person	Date	Session	Topic
1	Dr. Mukesh Singh, Associate Professor, Thaper University, Patiala	25-11-2019	Session-I	"Electric Vehicle and its Role in Smart Grid".
	Dr. Sarbjit Singh Sookh, Senior Research Engineer, Department of Renewable Energy Engineering, PAU Ludhiana	25-11-2019	Session-II	Recent Trends in Renewable Energy Sources and Technologies
	Ms. Archana Sukhija, Faculty, Art of Living	25-11-2019	Session-III	Stress Free Teaching
2	Dr. Manoj Kumar, Principal DAVIET, Jalandhar	26-11-2019	Session-I	Industry Institute Interface
	Meraj Akthar, Application Engineer (QUARBZ INFO SYSTEMS) and Ms. Shivani Mehta (AP, EE), DAVIET, Jalandhar	26-11-2019	Session- II, III	Typhoon Hil Software
3	Shashank Kumar, Sr. Application Engineer (QUARBZ INFO SYSTEMS) and Dr. Chintu Rza (AP, EE), DAVIET, Jalandhar	27-11-2019	Session- I,II,III	
4	Mr. Manish Kakkar, Solar First Energy Pvt. Ltd., Jalandhar	28-11-2019	Session-I	Solar Cells and its installation process technics
	Dr. Sudhir Sharma, Associate Professor & Head, EE, DAVIET, Jalandhar	28-11-2019	Session-II	Challenges in Smart Grid Applications
	Dr. Y.P Verma, Associate Professor, UIET, Chandigarh	28-11-2019	Session-III	Evolution of Micro-grids with Converter-Interfaced Generations
5	Dr. Ashwani Kumar, Professor, NIT Kurukshetra	29-11-2019	Session-I	Available Transfer Capability Determination in Deregulated Electricity Markets
	Dr. Tarlochan Kaur, Professor, PEC, Chandigarh	29-11-2019	Session-II	'Energy Storage Systems : Technology Trends".
	Dr. Sandeep Kaur, Assistant Professor, PEC, Chandigarh	29-11-2019	Session-III	Congestion Management and Facts Cost Remuneration & Distributed Generation Planning and operation

DAV Institute of Engineering & Technology, Jalandhar

List for certificates for Faculty Development Program on "Recent Trends in Renewable Energy Sources & Technologies" from 25th to 29th November 2019

S.NO.	Name of Participants	Serial No.	Designation	Name of Institution	EmailId	Contact No.
1	Tanuj Mishra	001	AP, EE	LPU, Phag.	Tanuj.12948@lpu.co.in	9988291515
2	SK Sahdev	002	HOS(School of Polytechnic)	LPU, Phag.	sk.sahdev@lpu.co.in	9814193770
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4	Meenakshi Gupta	004	AP, ECE	LPU, Phag.	meenakshi.gupta@lpu.co.in	9988882561
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12	Dr. Bindia Jain	012	AP, ECE	DAVIET	bindiyajain29@gmail.com	9878661205
13	Manish Singh	013	Research Scholar	DAVIET	muneesh.dadwal@gmail.com	8894659664/8262916669
14	Dr. Kanchan L. Singh	014	Associate Prof., AS	DAVIET	kanchan-69@rediffmail.com	9914001756
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16	Dr. Bhupinder Singh	016	AP, AS	DAVIET	bhupichem27@gmail.com	8968339395
17	Dr. Shivani Vij	017	AP, AS	DAVIET	svij25@yahoo.co.in	9646831294
18	Dr. Payal Sharma	018	AP, AS	DAVIET	psharma.daviet@gmail.com	9465390017
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25	Sakshi Kumari	025	Research Scholar	DAVIET	sakshijeryal@gmail.com	9797600102
26	Dr. Megha	026	AP	LPU, Phag.	megha.25035@lpu.co.in	9540071283
27	sushil Prashar	027	AP,EE	DAVIET	prashar_sushil@yahoo.com	
28	Ayani Nāndi	028	Ph.D Research Scholar	LPU, Phag.	ayaninandi1886@gmail.com	9674468823
29	Dr. Neeru Malhotra	029	Associate Prof., ECE	DAVIET	neeru_ins@yahoo.com	9814785607
30	Dr. Kiran Ahuja	030	AP, ECE	DAVIET	kiran.ahuja@davietjal.org	9872957792
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33	Amit Arora	033	AP, ECE	DAVIET	aroraamit.er@gmail.com	9463728708
34	Ashish Malhotra	034	AP, ECE	DAVIET	malhotra.gsp@gmail.com	9915610079
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37	Prabhpreet Kaur Bhatia	037	AP,ECE	DAVIET	prabhpreet.bhatia91@gmail.com	7009779192
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40	Dr. Sunil Kumar Sachdeva	040	AP,AS	DAVIET	sunilsachdeva.daviet@gmail.com	9501575200
41	Dr. Amit Sharma	041	AP,AS	DAVIET	amit.daviet@gmail.com	9501884600
42	Navleen Singh Rekhi	042	AP,ECE	DAVIET	navleenr@yahoo.com	9815500850

43	Akhil Bhatia	043	Junior Consultant	Mehr Chand Polytechnic College, Jal	akhilbhatia2017@yahoo.com	8568974567
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46	Ms. Neeru Sharma	046	AP,AS	DAVIET	neeru.daviet@gmail.com	9779900765
47	Shivam Sharma	047	AP,EE	IKGPTU	shivamsharmaeee@gmail.com	9814294739
48	Jaswinder Singh Dhillon	048	AP,IT	DAVIET	jas4281@gmail.com	8427700837
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50	Vaishali Sharma	050	AP,EE	Doaba Khalsa trust group of institution	vaishalisharma137@gmail.com	8219187270
51	Mr. Sahul Goyal	051	AP,CA	DAVIET	er.sahulgoyal@gmail.com	985527959
52	Ms. Reeta Bhardwaj	052	AP,IT	DAVIET	er.reeta@gmail.com	8427233399
53	Ms. Archana Aggarwal	053	AP,CA	DAVIET	archana82_2010@yahoo.com	9988360500
54	Dr. Harpal	054	AP,ECE	Amritsar group of colleges	paras.harpal@gmail.com	9988688198
55	Dr. Harjot Kaur	055	AP,ECE	Amritsar group of colleges	harjot.kaur@acetedu.in	8872009954
56	Ms. Jasleen Kaur	056	Research Scholar (ECE)	GNDU (RC, Jalandhar)	jas.kaur277@gmail.com	9988728710
57	Mr. Inderdeep Singh Bhatia	057	Research Scholar (ECE)	GNDU (RC, Jalandhar)	inder.singh1002@gmail.com	9780310725
58	Mr. Baljit Singh	058	AP,EE	DAVIET	singh_baljit82@yahoo.com	9464012629
59	Mr. Ashwani Kumar	059	AP,AS	DAVIET	ashwani.daviet@gmail.com	9876564488
60	Dr. M.K.Kaushik	060	AP,CE	DAVIET	er.kaushik9@gmail.com	9216316999
61	Mr. Karan Pal Singh	061	Research Scholar (ME)	DAV University	anushthakur05@gmail.com	8219421343
62	Mr. Anush Thakur	062	Research Scholar (ME)	DAV University	karanpalkanu95@gmail.com	7006627429



DAV Institute of Engineering & Technology, Jalandhar

Accredited by NAAC with "A" Grade & Recognized by UGC under
section 2(F)

Attendance Sheet for

Faculty Development Program on "Recent Trends in Renewable

Energy Sources & Technologies" from 25th to 29th November, 2019

Attendance Sheet for Faculty Development Program on "Recent Trends in Renewable Energy Sources & Technologies" from 25-29 Nov, 2019

S.no.	Name of Participants	Session	Attendance				
			25-11-2019 (Mon)	26-11-2019 (Tues)	27-11-2019 (Wed)	28-11-2019 (Thurs)	29-11-2019 (Fri)
1	Mr. Tanuj Mishra	Session-I	Tanuj	Tanuj	Tanuj	Tanuj	Tanuj
		Session-II	Tanuj	Tanuj	Tanuj	Tanuj	Tanuj
		Session-III	Tanuj	Tanuj	Tanuj	Tanuj	Tanuj
2	Mr. SK Sahdev	Session-I	SK Sahdev	SK Sahdev	SK Sahdev	SK Sahdev	SK Sahdev
		Session-II	SK Sahdev	SK Sahdev	SK Sahdev	SK Sahdev	SK Sahdev
		Session-III	SK Sahdev	SK Sahdev	SK Sahdev	SK Sahdev	SK Sahdev
3	Mr. Abhay Bhandari	Session-I	Abhay	Abhay	Abhay	Abhay	Abhay
		Session-II	Abhay	Abhay	Abhay	Abhay	Abhay
		Session-III	Abhay	Abhay	Abhay	Abhay	Abhay
4	Ms. Meenakshi Gupta	Session-I	Meenakshi	Meenakshi	Meenakshi	Meenakshi	Meenakshi
		Session-II	Meenakshi	Meenakshi	Meenakshi	Meenakshi	Meenakshi
		Session-III	Meenakshi	Meenakshi	Meenakshi	Meenakshi	Meenakshi
5	Mr. Mandip Singh	Session-I	Mandip Singh	Mandip Singh	Mandip Singh	Mandip Singh	Mandip Singh
		Session-II	Mandip Singh	Mandip Singh	Mandip Singh	Mandip Singh	Mandip Singh
		Session-III	Mandip Singh	Mandip Singh	Mandip Singh	Mandip Singh	Mandip Singh
6	Mr. Arun Kumar	Session-I	Arun Kumar	Arun	Arun	Arun	Arun
		Session-II	Arun Kumar	Arun	Arun	Arun	Arun
		Session-III	Arun Kumar	Arun	Arun	Arun	Arun

7	Mr. Rahul Sikka	Session-I	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>
		Session-II	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>
		Session-III	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>	<u>Rahul</u>
8	Ms. Shelly Bhanot	Session-I	<u>Shelly</u>	<u>Shelly</u>	<u>Shelly</u>	<u>Shelly</u>	<u>Shelly</u>
		Session-II	<u>Shelly</u>	<u>Shelly</u>	<u>Shelly</u>	<u>Shelly</u>	<u>Shelly</u>
		Session-III	<u>Shelly</u>	<u>Shelly</u>	<u>Shelly</u>	<u>Shelly</u>	<u>Shelly</u>
9	Mr. Inderdeep Singh	Session-I	<u>Inderdeep</u>	<u>Inderdeep</u>	<u>Inderdeep</u>	<u>Inderdeep</u>	<u>Inderdeep</u>
		Session-II	<u>Inderdeep</u>	<u>Inderdeep</u>	<u>Inderdeep</u>	<u>Inderdeep</u>	<u>Inderdeep</u>
		Session-III	<u>Inderdeep</u>	<u>Inderdeep</u>	<u>Inderdeep</u>	<u>Inderdeep</u>	<u>Inderdeep</u>
10	Mr. Sukhjinder Singh	Session-I	<u>Sukhjinder</u>	<u>Sukhjinder</u>	<u>Sukhjinder</u>	<u>Sukhjinder</u>	<u>Sukhjinder</u>
		Session-II	<u>Sukhjinder</u>	<u>Sukhjinder</u>	<u>Sukhjinder</u>	<u>Sukhjinder</u>	<u>Sukhjinder</u>
		Session-III	<u>Sukhjinder</u>	<u>Sukhjinder</u>	<u>Sukhjinder</u>	<u>Sukhjinder</u>	<u>Sukhjinder</u>
11	Dr. Sonia Chutani	Session-I	<u>Sonia</u>	<u>Sonia</u>	<u>Sonia</u>	<u>Sonia</u>	<u>Sonia</u>
		Session-II	<u>Sonia</u>	<u>Sonia</u>	<u>Sonia</u>	<u>Sonia</u>	<u>Sonia</u>
		Session-III	<u>Sonia</u>	<u>Sonia</u>	<u>Sonia</u>	<u>Sonia</u>	<u>Sonia</u>
12	Dr. Bindia Jain	Session-I	<u>Bindia</u>	<u>Bindia</u>	<u>Bindia</u>	<u>Bindia</u>	<u>Bindia</u>
		Session-II	<u>Bindia</u>	<u>Bindia</u>	<u>Bindia</u>	<u>Bindia</u>	<u>Bindia</u>
		Session-III	<u>Bindia</u>	<u>Bindia</u>	<u>Bindia</u>	<u>Bindia</u>	<u>Bindia</u>
13	Mr. Manish Singh	Session-I	<u>Manish</u>	<u>Manish</u>	<u>Manish</u>	<u>Manish</u>	<u>Manish</u>
		Session-II	<u>Manish</u>	<u>Manish</u>	<u>Manish</u>	<u>Manish</u>	<u>Manish</u>
		Session-III	<u>Manish</u>	<u>Manish</u>	<u>Manish</u>	<u>Manish</u>	<u>Manish</u>

14	Dr. Kanchan L. Singh	Session-I	<u>Kanchan</u>	<u>Kanchan</u>	<u>Kanchan</u>	<u>Kanchan</u>	<u>Kanchan</u>
		Session-II	<u>Kanchan</u>	<u>Kanchan</u>	<u>Kanchan</u>	<u>Kanchan</u>	<u>Kanchan</u>
		Session-III	<u>Kanchan</u>	<u>Kanchan</u>	<u>Kanchan</u>	<u>Kanchan</u>	<u>Kanchan</u>
15	Dr. Ashok Kumar	Session-I	<u>Ashok</u>	<u>Ashok</u>	<u>Ashok</u>	<u>Ashok</u>	<u>Ashok</u>
		Session-II	<u>Ashok</u>	<u>Ashok</u>	<u>Ashok</u>	<u>Ashok</u>	<u>Ashok</u>
		Session-III	<u>Ashok</u>	<u>Ashok</u>	<u>Ashok</u>	<u>Ashok</u>	<u>Ashok</u>
16	Dr. Bhupinder Singh	Session-I	<u>Bhupinder</u>	<u>Bhupinder</u>	<u>Bhupinder</u>	<u>Bhupinder</u>	<u>Bhupinder</u>
		Session-II	<u>Bhupinder</u>	<u>Bhupinder</u>	<u>Bhupinder</u>	<u>Bhupinder</u>	<u>Bhupinder</u>
		Session-III	<u>Bhupinder</u>	<u>Bhupinder</u>	<u>Bhupinder</u>	<u>Bhupinder</u>	<u>Bhupinder</u>
17	Dr. Shivani Vij	Session-I	<u>Shivani</u>	<u>Shivani</u>	<u>Shivani</u>	<u>Shivani</u>	<u>Shivani</u>
		Session-II	<u>Shivani</u>	<u>Shivani</u>	<u>Shivani</u>	<u>Shivani</u>	<u>Shivani</u>
		Session-III	<u>Shivani</u>	<u>Shivani</u>	<u>Shivani</u>	<u>Shivani</u>	<u>Shivani</u>
18	Dr. Payal Sharma	Session-I	<u>Payal</u>	<u>Payal</u>	<u>Payal</u>	<u>Payal</u>	<u>Payal</u>
		Session-II	<u>Payal</u>	<u>Payal</u>	<u>Payal</u>	<u>Payal</u>	<u>Payal</u>
		Session-III	<u>Payal</u>	<u>Payal</u>	<u>Payal</u>	<u>Payal</u>	<u>Payal</u>
19	Mr. Kamal Kishore	Session-I	<u>Kamal</u>	<u>Kamal</u>	<u>Kamal</u>	<u>Kamal</u>	<u>Kamal</u>
		Session-II	<u>Kamal</u>	<u>Kamal</u>	<u>Kamal</u>	<u>Kamal</u>	<u>Kamal</u>
		Session-III	<u>Kamal</u>	<u>Kamal</u>	<u>Kamal</u>	<u>Kamal</u>	<u>Kamal</u>
20	Ms. Vanshika	Session-I	<u>Vanshika</u>	<u>Vanshika</u>	<u>Vanshika</u>	<u>Vanshika</u>	<u>Vanshika</u>
		Session-II	<u>Vanshika</u>	<u>Vanshika</u>	<u>Vanshika</u>	<u>Vanshika</u>	<u>Vanshika</u>
		Session-III	<u>Vanshika</u>	<u>Vanshika</u>	<u>Vanshika</u>	<u>Vanshika</u>	<u>Vanshika</u>

21	Mr. Rahul	Session-I	Rahul	Rahul	Rahul	Rahul	Rahul
		Session-II	Rahul	Rahul	Rahul	Rahul	Rahul
		Session-III	Rahul	Rahul	Rahul	Rahul	Rahul
22	Mr. Gagandeep Singh	Session-I	Singh	Singh	Singh	Singh	Singh
		Session-II	Singh	Singh	Singh	Singh	Singh
		Session-III	Singh	Singh	Singh	Singh	Singh
23	Mr. Aditya Sharma	Session-I	Aditya	Aditya	Aditya	Aditya	Aditya
		Session-II	Aditya	Aditya	Aditya	Aditya	Aditya
		Session-III	Aditya	Aditya	Aditya	Aditya	Aditya
24	Ms. Shafali	Session-I	Shafali	Shafali	Shafali	Shafali	Shafali
		Session-II	Shafali	Shafali	Shafali	Shafali	Shafali
		Session-III	Shafali	Shafali	Shafali	Shafali	Shafali
25	Ms. Sakshi Kumari	Session-I	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
		Session-II	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
		Session-III	Sakshi	Sakshi	Sakshi	Sakshi	Sakshi
26	Ms. Megha	Session-I	Megha	Megha	Megha	Megha	Megha
		Session-II	Megha	Megha	Megha	Megha	Megha
		Session-III	Megha	Megha	Megha	Megha	Megha
27	Mr. Sushil Prashar	Session-I	Prashar	Prashar	Prashar	Prashar	Prashar
		Session-II	Prashar	Prashar	Prashar	Prashar	Prashar
		Session-III	Prashar	Prashar	Prashar	Prashar	Prashar

28	Ms. Ayani Nandi	Session-I	Audi	Audi	Audi	Audi	Audi
		Session-II	Audi	Audi	Audi	Audi	Audi
		Session-III	Audi	Audi	Audi	Audi	Audi
29	Dr. Neeru Malhotra	Session-I	Neer	Neer	Neer	Neer	Neer
		Session-II	Neer	Neer	Neer	Neer	Neer
		Session-III	Neer	Neer	Neer	Neer	Neer
30	Dr. Kiran Ahuja	Session-I	Kiranj	Kiranj	Kiranj	Kiranj	Kiranj
		Session-II	Kiranj	Kiranj	Kiranj	Kiranj	Kiranj
		Session-III	Kiranj	Kiranj	Kiranj	Kiranj	Kiranj
31	Ms. Aarti Kochhar	Session-I	Aarti	Aarti	Aarti	Aarti	Aarti
		Session-II	Aarti	Aarti	Aarti	Aarti	Aarti
		Session-III	Aarti	Aarti	Aarti	Aarti	Aarti
32	Dr. Jagroop Singh Sidhu	Session-I	- ABSENT -	- AB -	- AB -	- AB -	- AB -
		Session-II	- AB -	- AB -	- AB -	- AB -	- AB -
		Session-III	- AB -	- AB -	- AB -	- AB -	- AB -
33	Dr. Ramnik Singh Randhawa	Session-I	RS	RS	RS	RS	RS
		Session-II	RS	RS	RS	RS	RS
		Session-III	RS	RS	RS	RS	RS
34	Mr. Amit Arora	Session-I	A ₂	A ₂	A ₂	A ₂	A ₂
		Session-II	A ₂	A ₂	A ₂	A ₂	A ₂
		Session-III	A ₂	A ₂	A ₂	A ₂	A ₂

35	Mr. Ashish Malhotra	Session-I	af	af	af	af	af
		Session-II	af	af	af	af	af
		Session-III	af	af	af	af	af
36	Mr. Mani Bansal	Session-I	Mani	Mani	Mani	Mani	Mani
		Session-II	Mani	Mani	Mani	Mani	Mani
		Session-III	Mani	Mani	Mani	Mani	Mani
37	Mr. Rahul Sharma	Session-I	rs	rs	rs	rs	rs
		Session-II	rs	rs	rs	rs	rs
		Session-III	rs	rs	rs	rs	rs
38	Ms. Prabhpreet Kaur Bhatia	Session-I	ks	ks	ks	ks	ks
		Session-II	ks	ks	ks	ks	ks
		Session-III	ks	ks	ks	ks	ks
39	Mr. Gagan Kumar	Session-I	kr	kr	kr	kr	kr
		Session-II	kr	kr	kr	kr	kr
		Session-III	kr	kr	kr	kr	kr
40	Mr. Chetan Darshan	Session-I	ks	ks	ks	ks	ks
		Session-II	ks	ks	ks	ks	ks
		Session-III	ks	ks	ks	ks	ks
41	Dr. Sanjeev Saini	Session-I	← AB →	← AB →	← AB →	← AB →	← AB →
		Session-II	← AB →	← AB →	← AB →	← AB →	← AB →
		Session-III	← AB →	← AB →	← AB →	← AB →	← AB →

42	Dr. Sunil Kumar Sachdeva	Session-I					ON PTU OBSERVER DUTY
		Session-II					
		Session-III					
43	Dr. Amit Sharma	Session-I					ON PTU OBSERVER DUTY
		Session-II					
		Session-III					
44	Mr. Navleen Singh Rekhi	Session-I					
		Session-II					
		Session-III					
45	Mr. Akhil Bhatia	Session-I	Akhil	Akhil	Akhil	Akhil	Akhil
		Session-II	Akhil	Akhil	Akhil	Akhil	Akhil
		Session-III	Akhil	Akhil	Akhil	Akhil	Akhil
46	Bhanu Partap Thakur	Session-I	Bhanu	Bhanu	Bhanu	Bhanu	Bhanu
		Session-II	Bhanu	Bhanu	Bhanu	Bhanu	Bhanu
		Session-III	Bhanu	Bhanu	Bhanu	Bhanu	Bhanu
47	Dr. Rajni Sharma	Session-I	Rajni	Rajni	Rajni	Rajni	Rajni
		Session-II	Rajni	Rajni	Rajni	Rajni	Rajni
		Session-III	Rajni	Rajni	Rajni	Rajni	Rajni
48	Ms. Neeru Sharma	Session-I	Neeru	Neeru	Neeru	Neeru	Neeru
		Session-II	Neeru	Neeru	Neeru	Neeru	Neeru
		Session-III	Neeru	Neeru	Neeru	Neeru	Neeru

49	Mr. Shivam Sharma	Session-I					
		Session-II					
		Session-III					
50	Mr. Jaswinder Singh Dhillon	Session-I					
		Session-II					
		Session-III					
51	Ms. Sarbjot Kaur	Session-I					
		Session-II					
		Session-III					
52	Ms. Vaishali Sharma	Session-I	Vaishali Sharma	Vaishali Sharma	Vaishali Sharma	Vaishali Sharma	Vaishali Sharma
		Session-II	Vaishali Sharma	Vaishali Sharma	Vaishali Sharma	Vaishali Sharma	Vaishali Sharma
		Session-III	Vaishali Sharma	Vaishali Sharma	Vaishali Sharma	Vaishali Sharma	Vaishali Sharma
53	Mr. Sahul Goyal	Session-I	Goyal	Goyal	Goyal	Goyal	Goyal
		Session-II	Goyal	Goyal	Goyal	Goyal	Goyal
		Session-III	Goyal	Goyal	Goyal	Goyal	Goyal
54	Ms. Reeta Bhardwaj	Session-I	Bhardwaj	Bhardwaj	Bhardwaj	Bhardwaj	Bhardwaj
		Session-II	Bhardwaj	Bhardwaj	Bhardwaj	Bhardwaj	Bhardwaj
		Session-III	Bhardwaj	Bhardwaj	Bhardwaj	Bhardwaj	Bhardwaj
55	Ms. Archana Aggarwal	Session-I	Archana	Archana	Archana	Archana	Archana
		Session-II	Archana	Archana	Archana	Archana	Archana
		Session-III	Archana	Archana	Archana	Archana	Archana

56	Dr. Harpal	Session-I					
		Session-II					
		Session-III					
57	Dr. Harjot Kaur	Session-I					
		Session-II					
		Session-III					
58	Mr. Baljit Singh	Session-I					
		Session-II					
		Session-III					
59	Ms. Jasleen Kaur	Session-I					
		Session-II					
		Session-III					
60	Mr. Inderdeep Singh Bhatia	Session-I					
		Session-II					
		Session-III					
61	Mr. Ashwani Kumar	Session-I					
		Session-II					
		Session-III					
62	Dr. M. K. Kaushik	Session-I					
		Session-II					
		Session-III					

63	Mr. Karan Pal Singh	Session-I	Karanpal	Karanpal	Karanpal	Karanpal	Karanpal
		Session-II	Karanpal	Karanpal	Karanpal	Karanpal	Karanpal
		Session-III	Karanpal	Karanpal	Karanpal	Karanpal	Karanpal
64	Mr. Anush Thakur	Session-I	Anush Thakur	Anush Thakur	Anush Thakur	Anush Thakur	Anush Thakur
		Session-II	Anush Thakur	Anush Thakur	Anush Thakur	Anush Thakur	Anush Thakur
		Session-III	Anush Thakur	Anush Thakur	Anush Thakur	Anush Thakur	Anush Thakur

Faculty Development Programme

Technical Sessions:

1st Day (25th November, 2019) Session-I

Dr. Mukesh Singh (Associate Professor, Thapar University) has delivered keynote address on "Electrical Vehicles and its role in Smart Grids". In this session participants were learned the concept of smart grid along with the future deployment of the EVs puts forward various challenges in terms of electric grid infrastructure, communication and control. Various EV smart charging technologies are also extensively examined with the perspective of their potential, impacts and limitations under the vehicle-to-grid (V2G) phenomenon. However, their intermittent power output poses different challenges on the planning, operation and control of the power system networks. On the other hand, the deployment of EVs in the energy market can compensate for the fluctuations of the electric grid.

1st Day (25th November, 2019) Session-II

Dr. Sarabjit Singh Sooch (Senior Research Engineer) Department of Renewable Energy Engineering, Punjab Agricultural University Ludhiana has delivered keynote address on "Renewable Energy Sources focusing on Bio Mass and Solar". He spoke on advances in liquid fuel generation from biomass. The deliberation focused on the recent work related to catalysis development for bio-diesel production and algal biofuel.

1st Day (25th November, 2019) Session-III

The day ended with a session on Stress Free Teaching which was arranged by the Human Value Cell of the institute.



Faculty Development Programme

Virtual Typhoon HILReal Time Simulator



2nd & 3rd Day (26-27 November, 2019)

The session was taken by Mr. Shashank Kumar (Senior Application Engineer, Quarbz Info system) and Mr. Meraj Akhtar (Application Engineer, Quarbz Info System) with hands on practice on Virtual Typhoon HILReal Time Simulator.



Faculty Development Programme

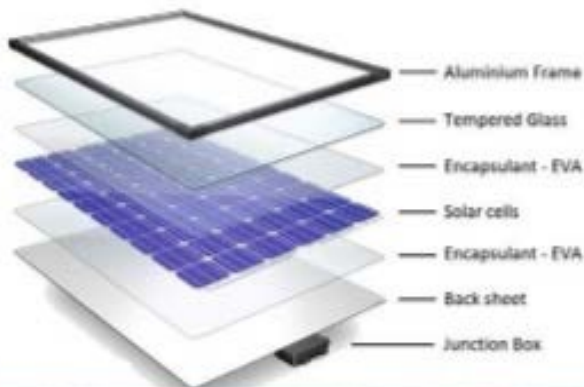
"Solar Cells and its installation Process & Techniques"

4th Day (28th November, 2019) Session-I

Mr. Munish Kakkar
(Director, Solar First Energy Pvt. Ltd.)

has delivered keynote address on "Solar Cells and its installation Process & Techniques" .

In this session participants come to know that generation of solar energy has tremendous scope in India. The geographical location of the country stands to its benefit for generating solar energy. The reason being India is a tropical country and it receives solar radiation almost throughout the year. India has massive plan for Solar Energy generation that may not only fulfil the deficit of power generation but also contribute largely in Green Energy Production to help reduce the Climatic Changes globally. It is a growing sector & has a lot of potential which will be harnessed in the years to come.



"Challenges in Smart grids and its Applications"

4th Day (28th November, 2019) Session-II

Dr. Sudhir Sharma
(HoD, Dept. of Electrical Engineering)
delivered a talk on

"Challenges in Smart grids and its Applications"

In this session participants come to know about:

- Difference between smart grids and conventional grids
- Apply smart metering concepts to industrial and commercial installations
- Formulate solutions in the areas of smart substations, distributed generation and wide area measurements
- Come up with smart grid solutions using modern communication technologies



Faculty Development Programme

"Micro Grids"

4th Day (28th November, 2019) Session-III
Dr. Y.P. Verma from UIET,
Punjab University, Chandigarh

enlightened the faculty with his views on "Micro Grids"

In this session participants come to know about that:

- In future Microgrid will be more affordable than conventional grids.
- Microgrid encourages efficient and effective integration and use of renewable sources.
- Reliability can be achieved due to decentralization of supply.
- Microgrid is an alternative in the event of power grid failure.



Faculty Development Programme

"Available Transfer Capability Determination in Deregulated Electricity Markets discussing Congestion Management and FACTS Cost Remuneration"

5th Day (29th November, 2019) Session-I

Dr. Ashwani Kumar from NIT, Kurukshetra has

delivered keynote address on "Available Transfer Capability Determination in Deregulated Electricity Markets discussing Congestion Management and FACTS Cost Remuneration".

In this session participants come to know about:

- The cost of the congestion is related with the number of congested lines, the amount of congestion and the location of congested lines.
- The low operating cost hydro units having quick start up time can play an important role in congestion management and help in alleviating the congestion arising due to integration of renewable sources due to locational proximity.
- The reactive power balance during the congestion management ensures that voltage remains within limits during rescheduling of generation by the generating units.



Faculty Development Programme

"Energy Storage and Recent Trends"

5th Day (29th November, 2019) Session-II
Prof. Tarlochan Kaur from PEC, Chandigarh

delivered a lecture on "Energy Storage and Recent Trends"

In this session participants come to know about:

- While deciding economics of energy storage for renewable integration, a number of key factors need to be considered.
- These include Size of storage (Power vs energy), Cycle life, Depth of Discharge during each cycle (has impact on number of cycles for most electrochemical batteries),
- Charge/Discharge rate (C-rate), Space and geographical requirements (specially required for pumped hydro and CAES projects)



Faculty Development Programme

"Distributed Generation In Solving Power Crisis"

5th Day (29th November, 2019) Session-III

Dr. Sandeep kaur Saroa from PEC, Chandigarh

presented a talk on importance of "Distributed generation in solving power crisis"

In this session participants come to know about:

- Improved voltage profile and loss reduction is obtained if DGs are used with capacitor;
- Improvement of voltage profile also depends on location and size of DGs and capacitors.
- Inaccurate location of DG leads huge losses in distribution network.
- It is also observed some improvement techniques like capacitor can help for voltage improvement, but internal losses increases
- DGs in place of capacitor banks provides better voltage profile improvements and reduces system losses as compared to capacitor banks





VALEDICTORY SESSION

Dr.Sudhir Sharma, Head Department of Electrical Engineering and Organizing Chair of this Faculty Development Programme shared that the renewable energy resources ,system and technologies has become the major concern now a days to fulfill the increasing energy demand and growing environmental issues. He shared that the availability of suitable and sufficient energy sources, development of environmental friendly utilization technologies and cost of energy have been extremely important factor that require major thought and research.

This FDP emphasizes on stimulating inquisitiveness in the students during the process of acquiring and assimilating new scientific knowledge and concepts, rather than treating students as a passive recipient of lecture driven classes. The programme delivers the concept of integration of ICT in the teaching-learning process and training in research-based strategies in teaching process. Similarly, the exposure to tools like open source courseware, simulation tools, and scientific approaches of planning and execution of experiments are also delivered in the programme, to enhance the student's ability to understand the subjects or create the curiosity on the subjects. More than 50% of the total hours spent in the programme is devoted to the pedagogy sessions, demonstration, simulation tools, field trip etc. Participant's feedback also reveals that the programme is perfect blend of technical knowledge on the advances in renewable energy technologies, pedagogy sessions, demonstration and field trip.

This Faculty Development Programme (FDP) fulfils its prime objectives to bring the faculties of different engineering, science and allied subjects onto one platform to update with the advances in the renewable energy technology and applications, effective teaching learning practices, integration of ICT in the teaching-learning process, expose to tools like open source courseware, simulation tools, and scientific approaches of planning and execution of experiments.

Dr. Manoj Kumar, Principal DAVIET said that the aim of this FDP is to impart research skills and knowledge to the beginners and existing researchers so as to improve the quality of research in the area of thermal energy and about extracting renewable energy. He shared that this programme brings a beneficial change among the faculty members towards the research and enable the participants to develop competence in understanding recent advances in renewable energy resources.

One Week Faculty Development Programme (FDP) on “Recent Trends in Renewable Energy Sources & Technologies”

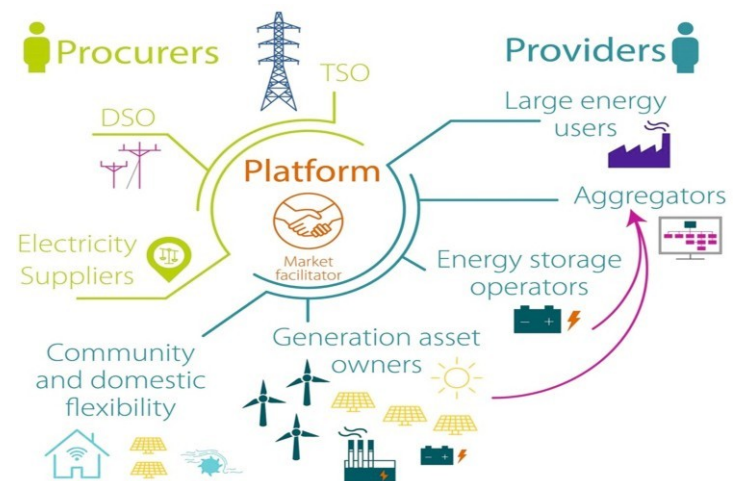


DAV Institute of Engineering & Technology (DAVIET) has organized AICTE & IKG Punjab Technical University sponsored Faculty Development Programme (FDP) on Recent Trends in Renewable Energy Sources & Technologies from 25th November to 29th November, 2019.

This One-Week FDP was conducted by the Department of Electrical Engineering and over 60 participants from various universities and colleges of Punjab participated in this program. These participants came from diverse and multi-disciplinary background of Engineering and Basic Sciences.

The aim of this course was to enlighten teachers and practicing engineers on the Recent Trends in Utilization of Renewable and Sustainable energy resources such as solar, biomass tidal, wind etc in various engineering applications. The course is also useful for the research aspirants in the field of renewable and sustainable engineering. Course contents include Micro grids and Smart Grids, Distributed Generation, Real Time Simulations of Power System and Renewable Applications, Electric Vehicles, Energy Storage Systems and its applications in today's scenario, Solar energy and its application in engineering systems, Photovoltaic systems, Hydrogen powered vehicles, Biomass, Energy efficient building etc. The Programme also intends to develop the knowledge of participants for simulation with advanced software in the relevant field for inculcating learning values in students and guiding and monitoring their progress.

INAUGURAL SESSION: The esteemed personalities present on the inauguration of the programme :Dr. Manoj Kumar, Principal DAVIET, Dr. Mukesh Singh, Associate Professor, Thapar University Dr. Sanjeev Naval, HoD, Civil Engineering, DAVIET Dr. Neeru Malhotra, HoD, Electronics & Communication Engineering, DAVIET Dr. Gaurav Dhuria, HoD, Mechanical Engineering, DAVIET Dr. Ashok kumar, Assistant Professor, Applied Science, DAVIET Dr. Chintu Rza, Ms. Shivani Mehta, Program Coordinator these members were there during lamp lighting. Dr. Manoj Kumar, Principal DAVIET, welcomed all the respected dignitaries and participants and appreciated the program organized by EE dept and also encouraged for such activities in his speech.



Technical Sessions:

1st Day (25th November, 2019) Session-I

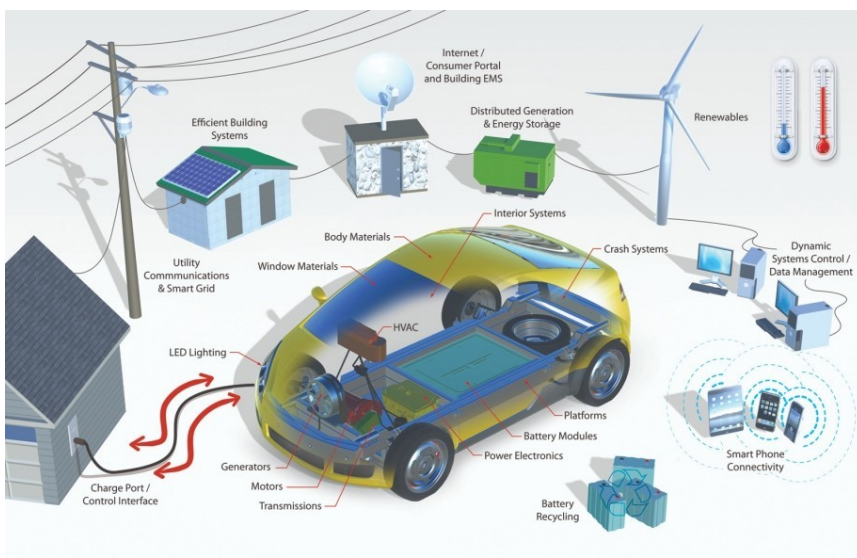
Dr. Mukesh Singh (Associate Professor, Thapar University) has delivered keynote address on "Electrical Vehicles and its role in Smart Grids" In this session participants were learned the concept of smart grid along with the future deployment of the EVs puts forward various challenges in terms of electric grid infrastructure, communication and control. Various EV smart charging technologies are also extensively examined with the perspective of their potential, impacts and limitations under the vehicle-to-grid (V2G) phenomenon. However, their intermittent power output poses different challenges on the planning, operation and control of the power system networks. On the other hand, the deployment of EVs in the energy market can compensate for the fluctuations of the electric grid.

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1st Day (25th November, 2019) Session-III

The day ended with a session on Stress Free Teaching which was arranged by the Human Value Cell of the institute.



Virtual Typhoon HIL Real Time Simulator



2nd & 3rd Day (26-27 November, 2019)
Session-I On Day 2 & 3:

The session was taken by Mr. Shashank Kumar (Senior Application Engineer, Quarbz Info system) and Mr. Meraj Akhtar (Application Engineer, Quarbz Info System) with hands on practice on Virtual Typhoon HIL Real Time Simulator.

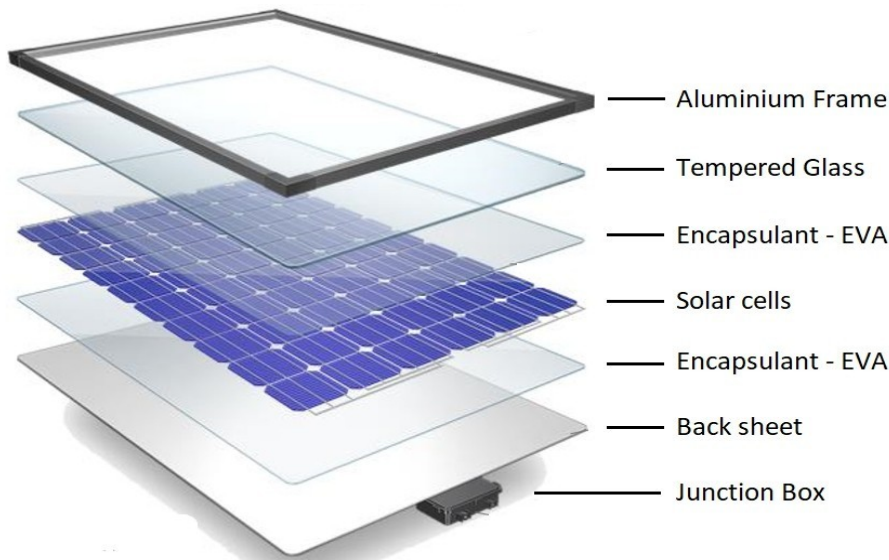


"Solar Cells and its installation Process & Techniques"

4th Day (29th November, 2019) Session-

Mr. Munish Kakkar
(Director, Solar First Energy Pvt.Ltd.)

has delivered keynote address on "Solar Cells and its installation Process & Techniques". In this session participants come to know that generation of solar energy has tremendous scope in India. The geographical location of the country stands to its benefit for generating solar energy. The reason being India is a tropical country and it receives solar radiation almost throughout the year. India has massive plan for Solar Energy generation that may not only fulfil the deficit of power generation but also contribute largely in Green Energy Production to help reduce the Climatic Changes globally. It is a growing sector & has a lot of potential which will be harnessed in the years to come.



"Challenges in Smart grids and its Applications"

4th Day (29th November, 2019) Session-II

Dr. Sudhir Sharma

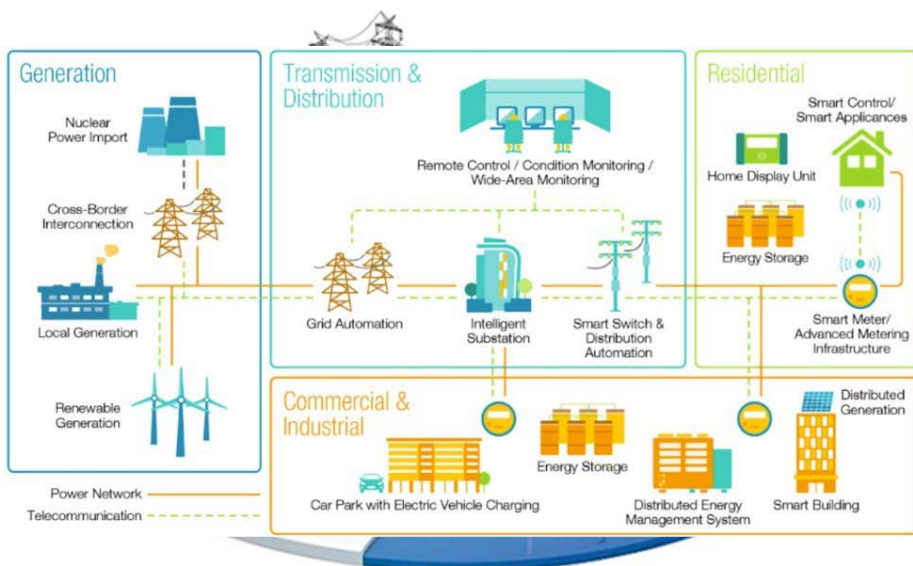
(HoD, Dept. of Electrical Engineering)

delivered a talk on

"Challenges in Smart grids and its Applications"

In this session participants come to know that:

- Appreciate the difference between smart grid and conventional grid
- Apply smart metering concepts to industrial and commercial installations
- Formulate solutions in the areas of smart substations, distributed generation and wide area measurements
- Come up with smart grid solutions using modern communication technologies



Annual Report-2019-20

In the academic year 2019-20, Department of Electrical Engineering of the institute organised one week Faculty Development Programme on the topic “**Recent Trends in Renewable Energy Sources and Technologies**”. This FDP was organised from 25th to 29th November 2019.

This Faculty Development Programme was sponsored by All India Council for Technical Education (AICTE) and IKG Punjab Technical University. In this FDP a total of 62 faculty members participated through the length and breadth of the country.

2020-2021

1. AICTE-ISTE Sponsored Induction/Refresher Program on Advance Materials and Processes for Sustainable Intelligent Manufacturing organized during December 21-26, 2020 in online mode.

Brochure:



DAV INSTITUTE OF ENGINEERING & TECHNOLOGY JALANDHAR

Patron
Dr. Manoj Kumar
Principal

Program Coordinator
Dr. Gaurav Kumar Dhuria
Associate Professor and Head
Mechanical Engineering Department

Organizing Committee
Dr. Sanjeev Saini
Sh. Pankaj Sadana
Sh. RDS Johal
Dr. Devinder Priyadarshi
Sh. S K Uppal
Sh. Ankush Kohli
Sh. Chetan Darshan
Sh. Aman Maini
Dr. Gurveen Singh

Registration
No registration fee. Limited Seats. Preference will be given to ISTE members. Certificates will be given to the participants who will satisfy the requirement of a minimum of 80% attendance and 60% or more marks in quiz which will be conducted during/end of the FDP.
Register online by clicking following link:
<https://forms.gle/UhVvmzbv9Xk8GcYv7>

Important Dates:
Last Date for online registration: 15.12.2020
Confirmation of Selection : 17.12.2020

Address for Correspondence:
Dr. Gaurav Kumar Dhuria
Associate Professor and Head
Department of Mechanical Engineering
DAV Institute of Engineering and Technology Kabir
Nagar Jalandhar – 144008 Punjab
Email : me@davietjal.org gkdhuria@gmail.com
Phone 9815406699; 0181-2343400, 0181-2343423

DAVIET
Engineering Futures Through Innovation
Accredited by NAAC with 'A' Grade and recognized by UGC under section 2(f)
www.davietjal.org

AICTE
All India Council of Technical Education

ISTE
Indian Society of Technical Education

AICTE-ISTE Sponsored one week Induction/Refresher Programme on
Advance Materials and Processes for Sustainable Intelligent Manufacturing
December 21-26, 2020

About the Institute

DAV Institute of Engineering and Technology was established in 2001 under the aegis of DAV College Trust & Management Society, New Delhi. DAV College Managing Committee (DAVCMC) is the executive body of the said Trust and is the largest nongovernmental educational organization in India, managing a chain of about 900 institutions in India and abroad. Over the years, this nodal organization has played a stellar role in rejuvenating the Indian society intellectually, emotionally and spiritually. DAV institutions are known for the highest level of dedication, sincerity, commitment and discipline and have established a reputation for academic excellence and character building. DAVIET is the first Engineering Institute of DAV College Trust and Management Society. Approved by AICTE and affiliated to IKG Punjab Technical University, the Institute is accredited by NAAC with 'A' Grade & Recognized by UGC under Section 2(f). The institute is located in the heart of city and spread over an area measuring about 18 acres possessing extremely beautiful landscape with a running canal on its back and historical Burlton Park on its front. The institute has been ranked as top college of Engineering and awarded the certificate of excellence for exemplary contribution in the field of Higher Education and is also ranked 15th amongst the Best Private Engineering Colleges of North India by India Today MDRA Survey 2019. DAVIET is carrying out original research of significance and cutting edge technology development. The institute also came up with some in house developed products in its endeavor to combat COVID-19. It imparts training to students to make them competent, motivated engineers and scientists. The Institute not only celebrates freedom of thought, cultivates vision and encourages growth, but also inculcates human values and concern for the environment and the society. We believe in creating professionals equipped with right skills and attitude by endowing them with high moral values, sound intellectual powers, refined analytical and decision making skills.

About the Department

Established in 2003, Department of Mechanical Engineering of the institute currently runs undergraduate courses with an annual intake of 60 students and as part of Regional Centre of IKG Punjab Technical University, Jalandhar, has also got a sanctioned intake of 25 students for post graduate courses leading to M.Tech. in Mechanical Engineering. The department is determined to provide the best of technical education to its students aimed at creating employable professionals and entrepreneurs. Regular use of Industry Week, an innovative practice conceived to enhance the skill, employability and entrepreneurial acumen of students, is one such exercise aimed at providing skill oriented education by bringing industry and academia in close proximity. Student activities, effective classroom teaching with judicious use of technology and focus on holistic development are some of the key features of education in the department.

About the Program

In the era of global competitiveness, advance materials and manufacturing processes is a major thrust area for focused research. The issue becomes all the more relevant with environmental concerns. Sustainable development through environment friendly materials and practices is a globally recognized mission. The course is comprehensively structured to cover the diverse fields of advance materials such as metal and polymer based composites, smart materials and manufacturing strategies including additive manufacturing, advance manufacturing processes, Green and Smart Manufacturing, Reuse and Recycling Techniques, ZED philosophy and Renewable Energy Technologies. With the Make in India initiative, the nation aims to raise the contribution of the manufacturing sector to 25% of the Gross Domestic Product (GDP) by the year 2025. Manufacturing scenario in India is thus on an upswing which creates opportunities for engineers, technocrats and entrepreneurs. The course will serve as an aid to enhance the quality of classroom delivery of academic programs especially in the field of Manufacturing and Material Science to promote a better ecosystem for research, innovation and entrepreneurship in the related fields.

Some of our esteemed resource persons



Prof. Bishakh Bhattacharya
IIT, Kanpur



Prof. J. Ramkumar
IIT, Kanpur



Dr. S. S. Dhani
NITTTR, Chandigarh



Dr. Dhiraj K. Mahajan
IIT, Ropar



Ms. Paulomi Mukherjee
Art of Living



Dr. Rupinder Singh
NITTTR, Chandigarh



Prof. Inderdeep Singh
IIT, Roorkee



Dr. Anish Sachdeva
NIT Jalandhar



Dr. Navneet Khanna
IITRAM, Ahmedabad



Mr. Ajitpal Singh Bhatia
Structural Analysis Engineer -
Lead, Boeing Commercial
Airplanes, USA

REPORT

AICTE-ISTE sponsored Induction/refresher Program on “Advance Materials and Processes for Sustainable Intelligent Manufacturing” was organized by the Department of Mechanical Engineering from December 21, 2020 with inaugural session starting at 10:30AM onwards. The event was inaugurated among august presence of **Col. B. Venkat**, Director, Faculty Development Cell, AICTE, New Delhi and **Prof. Vijaya D. Vaidya**, Executive Secretary, ISTE New Delhi and started with auspicious lightening followed by the *DAV Song*. Among the best wishes, words of wisdom and motivation from the guests, the inaugural session concluded with National Anthem.

Subsequently, on the same and the following days eminent personalities from Industry and Academia delivered the expert talks during the week long program on the related themes. Some of the prominent names being Dr. Bishakh Bhattacharya and Dr. J. Ramkumar from **IIT Kanpur**, Dr. Inderdeep singh and Dr. Debrupa Lahiri from **IIT Roorkee**, Dr. Dhiraj Mahajan from **IIT Ropar**, Dr. Rahul Chhiber from **IIT Jodhpur**, Dr. Rupinder Singh and Dr. S. S. Dhami from **NITTTR Chandigarh**, Dr. H. S. Mali from **MNIT Jaipur**, Dr. Navneet Khanna from **IITRAM Ahmedabad** and Dr. S. S. Mallick from **TIET, Patiala**. From Industry side Mr. Ajitpal Singh Bhatia, Structural Analysis Engineer – Lead, **Boeing Commercial Airplanes, Seattle USA** also delivered a session on composite Materials while Sh. K R Sharma, an empaneled consultant with National Productivity Council delivered a talk on ZED in Manufacturing industry. There was also a session on Stress Management and Happy Living which was conducted by Ms. Paulomi Mukherjee from Art of Living foundation. The presence of Prof. P. K. Desai and his captivating address and motivating words enthused the participants with thrill. He called upon the participating faculty members to focus on character building of the student’s alongwith enthusing the necessary technical and related skills. He called upon the faculty members to provide an education leading to creation of innovative and skillful professionals who are not just job seekers but who can create new technologies, products and contribute to mankind. The participants dispersed at the valedictory session with National Anthem and with trust to have acquired decent learning from the week long program. Subsequently the quiz was conducted to assess the learning and performance of the participants.

The sessions covered all the topics that were planned and conceived at the time of the filing the application and included diverse fields of advanced materials such as metal and polymer-based composites, biomaterials for use with additive manufacturing, smart materials and manufacturing strategies including additive manufacturing, advance manufacturing processes, Green and Smart Manufacturing, waste minimization etc. and current opportunities thereof.

LIST OF PARTICIPANTS

Name of Participant	Designation	Institute
Mr. JONNALA SUBBA REDDY	Associate Professor	Lakireddy Bali Reddy College of Engineering, Mylavaram
Mr. ANKUSH kohli	Assistant professor	DAVIET, JALANDHAR
Dr. ASHOK KUMAR	Associate Professor	D A V Institute of Engineering and Technology, Jalandhar, Punjab
Mr. B Kiran Babu	Assistant Professor	Usha Rama College of Engineering and Technology
Dr. Bhupinder Singh	Assistant Professor	DAVIET, Jalandhar
Mr. DHANANJAY PARSHURAM NARMALA	Assistant Professor	CSMSS CHH.SHAHU COLLEGE OF ENGINEERING,AURANGABAD
Dr. Jujhar Singh	Assistant Professor	I.K. Gujral Punjab Technical University, Main Campus, Kapurthala
Dr. Vivek Aggarwal	Assistant Professor	I. K. Gujral Punjab Technical University, Main Campus, Kapurthala
Dr. Sonia Chutani	Assistant Professor	DAVIET, Jalandhar
Dr. Sanjeev Sharma	Professor	Chandigarh Engineering College, Landran
Dr. Sheetal Soda	Assitant Professor	I.K.Gujral Punjab Technical University, Main Campus, Kapurthala
Dr. Harish Garg	Assistant professor	DAV University, Jalandhar
Mr. Gaurav Sachdeva	Assistant Professor	DAV University, Jalandhar
Mr. GAURAV SAINI	Head of department	Aman Bhalla Institute of Engineering and Technology
Mrs. Poonam Gupta	Associate Professor	Chitkara University, Punjab
Dr. Gurpreet Singh	Assistant Professor	BBSB ENGG COLLEGE, Fatehgarh Sahib
Mr. Harnam Singh Farwaha	Assistant Professor	Guru Nanak Dev Engineering College, Ludhiana
Dr. D.B. Jani	Associate professor	Government Engineering College, Dahod
Mr. Joginder Singh Vidana	Development Officer	NSIC-Technical Services Centre, Rajpura
Mr. Mahantesh K Marikatti	Assistant Professor	SDM college of Engineering and Technology, Dharwad
Mr. RAJAN VERMA	Lecturer	THAPAR POLYTECHNIC COLLEGE, Patiala
Mr. Rajesh R	Assistant Professor	Amrita Vishwa Vidyapeetham, Kollam

Mr. S.K.Uppal	Assistant Professor	DAV Institute of Engineering & Technology, Jalandhar
Dr. Shakun Preet Kaur	Associate Pofessor	Netaji Shubas University of Technology, West Campus, New Delhi
Mr. SUJITH KUMAR P	ASSISTANT PROFESSOR	COLLEGE OF ENGINEERING, CHENGANNUR
Dr. Sunil Kumar Sachdeva	Assistant Professor	DAV Institute of Engineering & Technology, Jalandhar
Dr. Surjit Kumar Gandhi	Professor	PCTE Institute of Engineering & Technology, Ludhiana
Mr. SWAGAT DWIBEDI	Assistant Professor	VSSUT, Burla
Mr. Ved Raj Khullar	Assistant Professor	DAV University, Jalandhar
Mr. Pankaj Sadana	A P	DAVIET, Jalandhar
Mr. KUNDAN KUMAR JHA	Research Scholar	PRIST Deemed to be UNIVERSITY, Thanjavur, Tamilnadu, India
Dr. Praveen A. S.	Associate Professor	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology
Dr. N Kapilan	Professor	Nitte Meenakshi Institute of Technology
Dr. KONDAPALLI SIVA PRASAD	PROFESSOR	ANIL NEERUKONDA INSTITUTE OF TECHNOLOGY & SCIENCES
Mr. Radha Krishna Adiraju	Associate professor	Mandava Institute of Engineering and Technologyechnology
Dr. Chitkarnvir Singh Gill	Assistant Professor	IKGPTU, Hoshiarpur Campus

AICTE-ISTE Sponsored Induction/Refresher Program on **Advance Materials and Processes for Sustainable Intelligent Manufacturing** held during December 21-26, 2020.


PowerPoint Slide Show - FDP-2020 - Advance Intelligent Manufacturing - Design & Mfg. of composite materials - Application to Aerospace - PowerPoint

Benefits


Manufacturing Benefits

Composites simplify and speed manufacturing

- Larger assemblies; significant reduction in tooling
- 30-40 percent reduction in manufacturing assembly time
- Repeatable process that creates repeatable first-time quality
- Sizable reduction in hazardous chemicals, hazardous waste, and overall waste



Aerospace Usage Growth



Aircraft Model	Year (approx.)	Percent of Composite	Manufacturer
707	1958	5	Boeing
DC-9	1965	5	Boeing
737-300	1970	5	Boeing
L1011	1972	10	Boeing
737	1978	10	Boeing
AV-8B	1985	15	Non-Boeing
Gripen	1988	20	Non-Boeing
A310	1988	20	Boeing
A320	1988	20	Boeing
A320XLR	1988	20	Boeing
A330-200	1995	20	Boeing
777	1995	20	Boeing
A380	2005	20	Boeing
F/A-18 E/F	2005	20	Non-Boeing
A330-300	2005	20	Boeing
A400M	2005	25	Non-Boeing
ATR72	2005	25	Non-Boeing
ATR42	2005	25	Non-Boeing
F-22	2005	35	Non-Boeing
A340	2005	35	Boeing
B-2	2005	40	Non-Boeing
LCA	2005	40	Non-Boeing
787	2005	45	Boeing
DV-22	2005	45	Non-Boeing
F-35	2005	45	Non-Boeing
Eurofighter	2005	50	Non-Boeing
AH-66	2005	55	Non-Boeing

Spirit Aero-system – Future of Composite Aircraft
<https://www.youtube.com/watch?v=C1ILjMuHSs>


23.12.2020

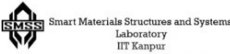
+23
DK
SD
SS
DS

MK
M
DM

SP
DJ
AB
GM

What will be the class of this Humanoid robot from Honda?






24.12.2020

+20
M
DA
DJ
KB

A
K
DM


N
DS

FDP on “Advance Materials and Processes for Sustainable Intelligent Manufacturing”



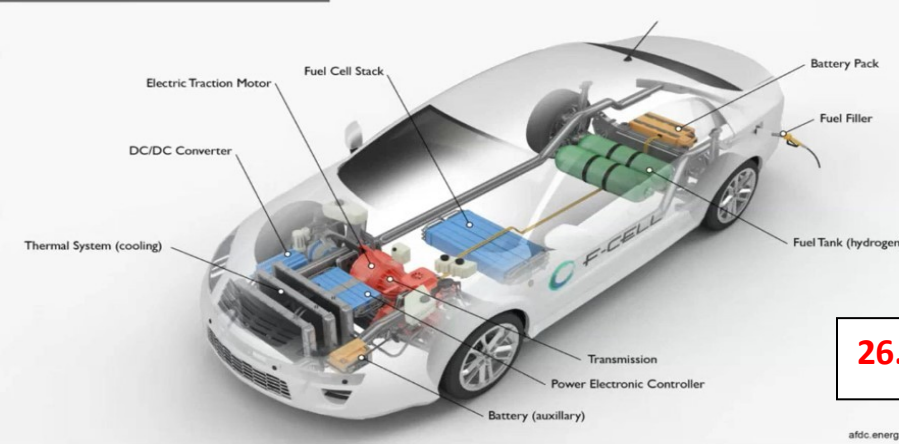
IIT Ropar

Fuel Cell Electric Vehicles: System Design



Ropar Mechanics of Materials Laboratory

Hydrogen Fuel Cell Electric Vehicle



26.12.2020


<https://afdc.energy.gov/>

9

K

RV

A



Dr. S.K. Ganotra (Guest)

SHEETAL SODA (Guest)


ME Department

Dr. Sangeet Sharma (Guest)

Dr. Vivek Aggarwal (Guest)

nerrajkumar

Dhara Mahajan



Impact on Mechanical Attributes

- Microindentation – Nanovea M1 Mechanical Tester, Vickers diamond indenter with 20 μm tip radius.
- The maximum load – 5 N, constant loading and unloading rate – 5 N/m, dwell at peak load for 10 s.

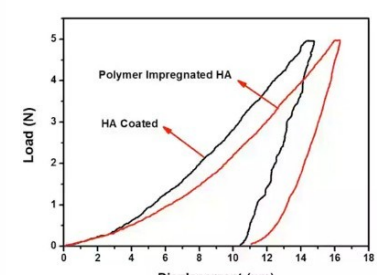


Fig: Representative of load vs displacement

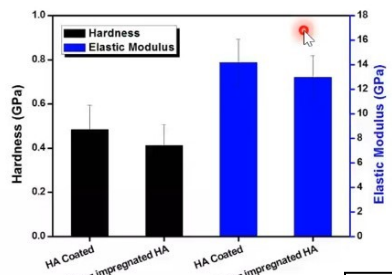



Fig: Comparison of hardness and elastic modulus HA coating before and after impregnation

25.12.2020

- 14% and 8% decrease in hardness and elastic modulus respectively, due to increase in displacement of indenter by 15% after impregnation.

+22



SS

DS


DG

JV

Agender Singh (Guest)

N

nerrajkumar



PJ

poornima jindal

DA

Dr. Vivek Aggarwal (Guest)

SU

SK Uppal

DL

Debranga Lahiri (Guest)

2. AICTE-ISTE Sponsored Induction/Refresher Program on Advance Materials and Processes for Sustainable Intelligent Manufacturing organized during March 17-23, 2021 in online mode.





AICTE-ISTE Sponsored Induction/Refresher Program (Online)
Advance Materials and Processes for Sustainable Intelligent Manufacturing (Phase -II)
March 17-23, 2021

Key Resource Persons

 Dr. Rajeev S. Mishra Director Advance Materials and Manufacturing Processes Institute, University of Texas, USA	 Dr. K. Anand Chief Manager, Materials & Manufacturing COE IIT Madras - Deakin University, Australia	 Sri Anand Desai ji International Teaching Faculty Art of Living Foundation	 Mr. Uma Maheshwar D. Chief Consulting Engineer GE Aviation-India John F Welch Technology Centre, Bangalore	 Dr. Rupinder Singh Professor NITTTR, Chandigarh
 Dr. Pulak Mohan Pandey Professor, IIT, Delhi.	 Dr. J. Ramkumar Professor IIT, Kanpur	 Dr. Anish Roy Professor Loughborough University, United Kingdom (UK)	 Prof. Kantesh Balani Professor IIT, Kanpur	 Prof. Prashant P. Date Professor IIT Bombay
 Dr. Mamilla Ravi Sankar Associate Professor IIT, Tirupati	 Dr. Padmanabhan Krishnan Professor VIT- University, Vellore.	 Dr. Anish Sachdeva, Professor NIT, Jalandhar	 Dr. O P Pandey Sr. professor and Head TIET, Patiala	 Dr. Navneet Khanna Asstt. Professor, IITRAM, Ahmedabad

Organized By:
Department of Mechanical Engineering
DAV Institute of Engineering and Technology
Jalandhar (Punjab) - 144008

Patron Dr. Manoj Kumar Principal	Program Coordinator Dr. Gaurav Kumar Dhuria Associate Prof. and Head (ME)
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REPORT

AICTE-ISTE sponsored Induction/refresher Program on “Advance Materials and Processes for Sustainable Intelligent Manufacturing” was organized by the Department of Mechanical Engineering from March 17, 2021 with inaugural session starting at 10:30AM onwards. The event was inaugurated by Hon’ble **Prof. Rajiv Mishra**, Director, Advance Materials and Manufacturing Processes Institute, University of Texas who joined from USA. Revered presence of **Col. B. Venkat**, Director, Faculty Development Cell, AICTE, New Delhi and **Prof. Vijaya D. Vaidya**, Executive Secretary, ISTE New Delhi marked the inauguration that started with auspicious lightening of lamp followed by the *DAV Song*. Prof. Rajiv Mishra delivered a keynote address on the topic “*Opportunities created by Intersection of Alloy Design and Disruptive Manufacturing Technologies*”, Among the best wishes, words of wisdom and motivation from the revered guests, the inaugural session concluded with National Anthem.

Subsequently, on the same and the following days eminent personalities from Industry and Academia delivered the expert talks during the week long program on the related themes. Some of the prominent names being **Dr. Anand K.**, Chief Manager Centre of Excellence on Advance Materials and Manufacturing Processes established by **IIT Madras and Deakin University Australia**, **Sh. Uma Maheshwar D.**, Executive Chief Consulting Engineer, **GE Aviation, Bangalore**, **Dr. Kantesh Balani** and **Dr. J. Ramkumar** from **IIT Kanpur**, **Dr. P P Date** from **IIT Bombay**, **Dr. Rupinder Singh** from **NITTTR Chandigarh**, **Dr. Anish Roy** from **Loughborough University UK** and **Dr. P. M. Pandey** from **IIT Delhi**. There was also a session on Stress Management and Happy Living which was conducted by Hon’ble **Sri Anand Desai Jifrom** Art of Living foundation. The presence of hon’ble Prof. P. K. Desai at the valediction and his captivating address and motivating words enthused the participants with thrill. Speaking at the valedictory function, Dr. P. K. Desai said that Knowledgeable FacultyMembers, Visionary Students and Blend of Technology have become the new recipe foreffective dissemination of education in the current era. He congratulated the host institute forsuccessful conduct of the event. The participants dispersed at the valedictory session with National Anthem and with trust to have acquired decent learning from the week long program. Subsequently the quiz was conducted to assess the learning and performance of the participants.

A total of 100 eligible participants registered for the program which went on for 6 days and 18 sessions (including one each for inauguration and valedictory). The sessions covered all the topics that were planned and conceived at the time of the filing the application and included diverse fields of advanced materials such as metal and polymer-based composites, biomaterials for use with additive manufacturing, smart materials and manufacturing strategies including additive manufacturing, advance manufacturing processes, Green and Smart Manufacturing, waste minimization etc. and current opportunities thereof.

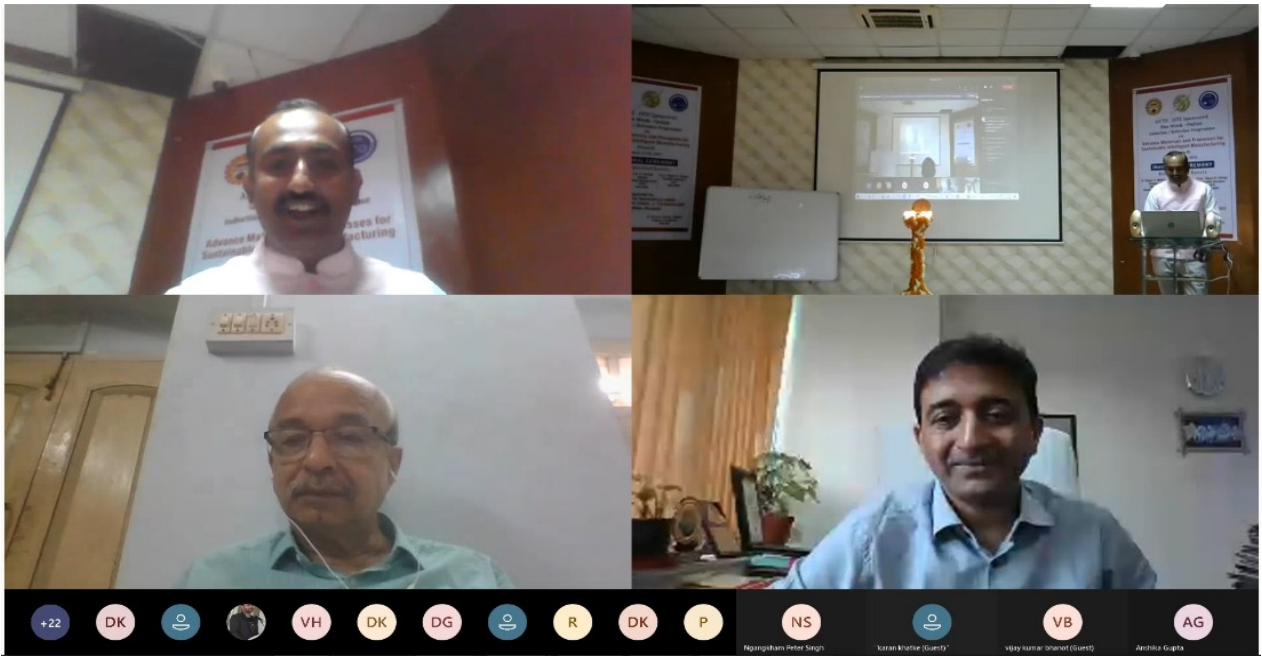
LIST OF PARTICIPANTS

Full Name of the Participant	Designation	Institution Name
Amit Sharma	Assistant professor	Amity University, Rajasthan
Amrinder Mehta	Assistant Superintendent	Lovely Professional University
Anshika gupta	Assistant professor	GBPUAT, PANTNAGAR
ARIJIT MUKHERJEE	Assistant Professor	Adamas University
Ashish malhotra	Assistant professor	DAVIET Jalandhar
ASHUTOSH MISHRA	Mechanical Engineer	RGPV BHOPAL
Bhupinder Singh	Assistant professor	DAVIET, Jalandhar
Deepak Kachhot	Assistant professor	Amity university, Rajasthan
Devadas Bhat P	Assistant Lecturer	National Institute of Technology, Karnataka
Dr. Shakun Preet Kaur	Associate professor	CBPGEC, NEW DELHI
Dr. Vinayak Malik	Associate Professor	KLS Gogte Institute of Technology
Dr. Amit Arora	Assistant Professor	DAV Institute of Engineering and Technology, Jalandhar
Dr. M. C. KRISHNAMURTHY	PROFESSOR	B.M.S. Evening college of Engineering, Bangalore
Dr. MOHAMMED MOHSIN ALI H	Associate Professor and Head	Ghousia College of Engineering, Ramanagara
Dr. Shivani Vij	Assistant Professor	DAV Institute of Engineering & Technology, Jalandhar
Dr. Subodh Kumar	Assistant Professor	Madanapalle Institute of Technology & Science, Madanapalle
Dr. Suresh P M	Professor PG Studies and R&D	ACS College of Engineering, Bengaluru
Dr.Lokesh Kumar	Asst Prof	AKU, Patna
Dr.Umesh Gowda B M	Associate professor	Dr.Sre Sre Shivkumar Mahaswamy College of Engineering, Bangalore
Gururaj Hatti	Assistant Professor	KLS VDIT, Karnatka
Jabihulla Shariff Md	Assistant Professor	PACE INSTITUTE OF TECHNOLOGY AND

		SCIENCES, Ongole
Karan Khatke	Asst. Professor	Prestige Institute of Engineering Management and Research, Indore
Kunwar Laiq Ahmad Khan	Professor	K. I. E. T. Group of Institutions, Ghaziabad
Lokesh Kumar	Assistant Professor	Jamia Millia Islamia, Delhi
Mangal Singh Sisodiya	Assistant Professor	Amity University Rajasthan
Navleen S Rekhi	Asstt. Prof.	DAVIET, Jalandhar
Ngangkham Peter Singh	guest faculty	Manipur Institute of Technology
P A RAGHU	SELECTION GRADE LECTURER	SJM POLYTECHNIC(AIDED),CHITRADURGA.
P Umamaheswarrao	Assistant Professor	BAPATLA ENGINEERING COLLEGE, AP
Patil Gopal Bhaskar	Lecturer	K.E.Society's Rajarambapu Institute of Technology(Polytechnic),Pune
RAM KRISHNA	Associate professor	Madanapalle Institute of Technology and Science,
Rajanna L	Assistant Professor	JSS academy of Technical Education, Noida
Satish G J	Assistant Professor	KLE Technological University, Karnatka
Suraj J Patil	Assistant Professor	KLS Gogte Institute of Technology, Belagavi
Swati S. Shinde	Lecturer	Cusrow Wadia Institute of Technology, Pune
TRIPTI PACHORI	ASSISTANT PROFESSOR	BMSCE, Bengaluru
v c chandra shekara	Assistant Professor	P E S College Of Engineering Mandya, Karnataka
Vibhor Mishra	Assistant Professor	Kaziranga University School of Engineering
VIJAY KUMAR	Asst. Professor	IKGPTU CAMPUS AMRITSAR
Vishwanath Hokrani	Assistant Professor	BLDEA CET Vijayapur

AICTE-ISTE Sponsored Induction/Refresher Program on **Advance Materials and Processes for Sustainable Intelligent Manufacturing** held during March 17-23, 2021.

March 17, 2021



FDP on “Advance Materials and Processes for Sustainable Intelligent Manufacturing”

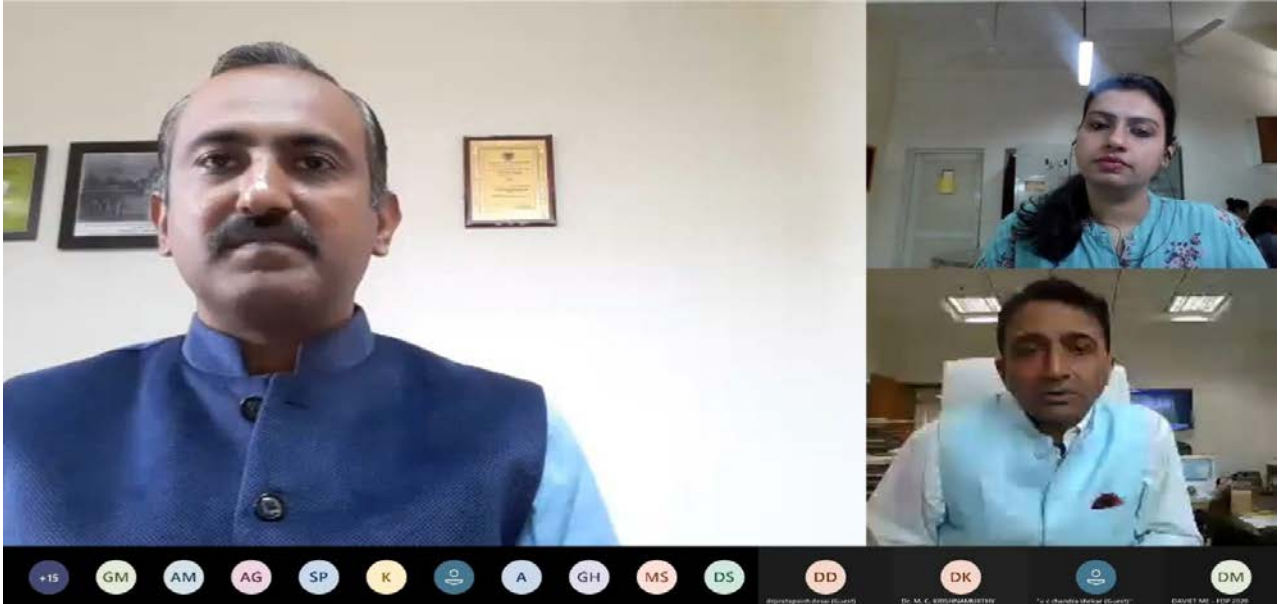


FDP on “Advance Materials and Processes for Sustainable Intelligent Manufacturing”

March 22, 2021



March 23, 2021



3. AICTE-ISTE Sponsored Induction/Refresher Program on Advance Materials and Processes for Sustainable Intelligent Manufacturing organized during June 07-12, 2021 in online mode.




AICTE-ISTE Sponsored Induction/Refresher Program (Online)
Advance Materials and Processes for Sustainable Intelligent Manufacturing (Phase -III)
June 07-12, 2021

The focus of the program will be on covering the current developments and opportunities in the following key areas:

- Advance Manufacturing Processes
- Composites & Advance Materials
- Smart Manufacturing
- Sustainable Manufacturing
- Additive Manufacturing
- Micro/Nano Manufacturing
- Smart Materials
- Bio Materials
- Zero Defect Zero Effect
- Waste Minimization

No registration fee. Limited seats available. Preference will be given to ISTE members. Certificates will be awarded to the participants who will satisfy the requirement of a minimum of 80% attendance and 60% or more marks in quiz which will be conducted during/end of the FDP. Online Registration of Phase - III by the eligible participants may be done on the given link :

<https://forms.gle/pMLDAR5nV4u1z8Qu7>

Last Date for submission of online registration: 02.06.2021
Confirmation of selection: 04.06.2021

Some of the Confirmed Key Resource Persons

 Dr. Bernard Rolfe Professor of Advance Manufacturing School of Engineering Deakin University, Australia	 Dr. Harpreet Singh Professor Department of Mechanical Engg. IIT, Ropar	 Dr. Manoj Gupta Associate Professor Department of Mechanical Engg. NUS, Singapore	 Dr. Rupinder Singh Professor Department of Mechanical Engg. NITTTR, Chandigarh	 Dr. Anish Upadhyaya Professor, Department of Materials Science and Engineering IIT Kanpur
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REPORT:

AICTE-ISTE sponsored Induction/refresher Program on “Advance Materials and Processes for Sustainable Intelligent Manufacturing (Phase – III)” was organized by the Department of Mechanical Engineering from June 07-12, 2021. The event was inaugurated by **Dr. Buta Singh Sidhu**, Hon’ble Vice Chancellor, MRSPTU Bathinda and Executive Council Member, ISTE New Delhi and **Col. B. Venkat**, Director, Faculty Development Cell, AICTE, New Delhi. The inaugural event started with auspicious lightening of lamp followed by the *DAV Song*. Speaking at the inaugural ceremony, Dr. Buta Singh Sidhu applauded the efforts of teachers coupled with the progresses in the technology, that did not let education suffer the way it did in the previous pandemic 100 years ago. While highlighting statistics from National Education policy 2020, Dr. Sidhu talked about the numerous opportunities lined up for the trained teachers in the upcoming years and said that events like these are a step in the right direction for creating adequate manpower for training the trainers. He also stressed the importance of value and ethics in the education and called upon all the teachers to focus on inculcating the same in the students and pupils and move towards being role models. Among the best wishes, words of wisdom and motivation from the revered guests, the inaugural session concluded with National Anthem Prof. Bernard Rolfe joined from Deakin University Australia to deliver a keynote address later in the day on the theme related to Advance Materials and Manufacturing Processes.

The event witnessed sessions of extremely high quality from the resource persons of International Stature, from Industry and Academia, not just from India but also from leading world universities. Some of the experts who enlightened the participants with their talks during the week long event include, **Prof. Bernard Rolfe**, Deakin University, Australia, **Prof. Manoj Gupta**, NUS, Singapore, **Prof. Anish Upadhayay**, IIT Kanpur, **Prof. Harpreet Singh**, IIT Ropar, **Dr. Rupinder Singh**, NITTTR Chandigarh, **Prof. Vijay Sanjairaj**, New York University, Abu Dhabi, **Prof. Ganesh Narayan**, IIT Guwahati are some of the names among several speakers of great eminence. There was also a session on Stress Management and Happy Living which will be conducted by revered **Sri Anand Desai Ji**, International Teaching Faculty, Art of Living foundation who joined from Gujarat. **Prof. Sagar Mitra**, Professor in Energy Science Department, IIT Bombay and a renowned name in battery technology, delivered a talk on Batteries for Electric Transport on the concluding day of the program while **Dr. Gaurav Kumar Dhuria**, Associate Prof and Head of Mechanical Engineering Department delivered a detailed talk of National Education Policy 2020 on the penultimate day and gave a thorough insight into it to all the participants. The participants dispersed at the valedictory session with National Anthem and with trust to have acquired decent learning from the week long program. Subsequently the quiz was conducted to assess the learning and performance of the participants.

Speaking at the valedictory function, **Col. B. Venkat** said that AICTE is determined at creating Knowledgeable Faculty Members with the Blend of Technology in the prevailing circumstances and applauded the efforts of DAVIET in this line to meet the objective thereof. He congratulated the coordinator and the host institute for successful conduct of the event.**Prof. Vijay D. Vaidya** also lauded the efforts and hard work of the DAVIET and the organizing team for the successful conduct of the program. While talking of National Education Policy, he stressed that it will reinstate the glory of Indian Education System through its routes to ancient and traditional knowledge systems and will be instrumental in making India the Education hub of the world. He said that in the modern times when Technology is really changing very fast, it is pertinent that teachers should also embrace these changes and get adapted to the same to prepare the world class professionals and that is also one of the aims of these faculty development programs.

85 participants took part in the program which went on for 6 days and 19 sessions (including one each for inauguration and valedictory). The sessions covered all the topics that were planned and conceived at the time of the filing the application and included diverse fields of advanced materials such as metal and polymer-based composites, biomaterials for use with additive manufacturing, smart materials and manufacturing strategies including additive manufacturing, advance manufacturing processes, Green and Smart Manufacturing, waste minimization etc. and current opportunities thereof.

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AICTE-ISTE Sponsored Induction/Refresher Program on **Advance Materials and Processes for Sustainable Intelligent Manufacturing** held during June 07-12, 2021.

June 07, 2021

Microsoft Teams

LIGHTWEIGHTING

Typically three approaches:

- 1. Downsizing**
 - Reduction in part size / vehicle size, no. of occupants etc.
 - Weight savings are limited
 - Can reduce performance / comfort
 - Rely on existing design architecture
- 2. Material Substitution**
 - Reuse existing design architecture
 - Employ new manufacturing technologies
 - Cost increase
 - Weight savings are limited
 - Rely on existing design architecture
 - New infrastructure
 - Design architecture may not be optimised for the material
- 3. System Level Optimisation**
 - Clean sheet approach
 - New materials
 - New manufacturing processes
 - New design approaches
 - Resource intensive
 - Major infrastructure changes
 - Potential for large weight savings
 - Potential for cost reductions/maintenance

NEW OPPORTUNITIES

Microsoft Teams

FLEXIBLE ROLL FORMING – NEW FORMING FACILITY @ DEAKIN

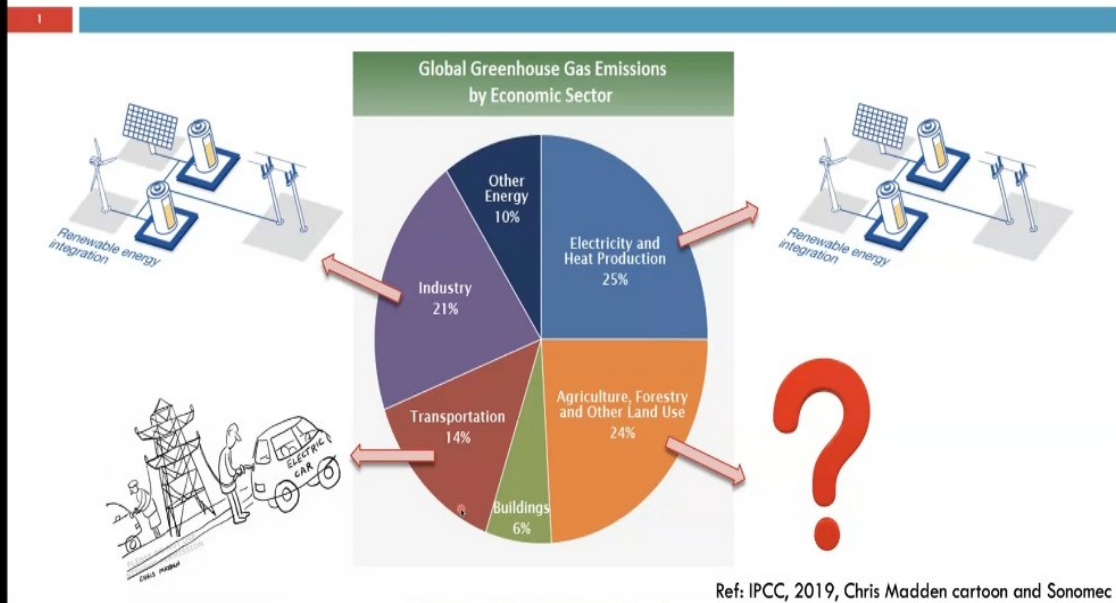
Investment of over 1.5 million AUD for a one of its kind flexible forming facility.

High potential for:

- Proof of concept studies (Flexible Roll Forming and Conventional Roll Forming).
- Flexible roll forming of variable depth
- Rapid prototyping.

June 12, 2021

Global emissions sector wise



Ref: IPCC, 2019, Chris Madden cartoon and Sonomec

+27 SK DM SG V SP DP VM DK KK

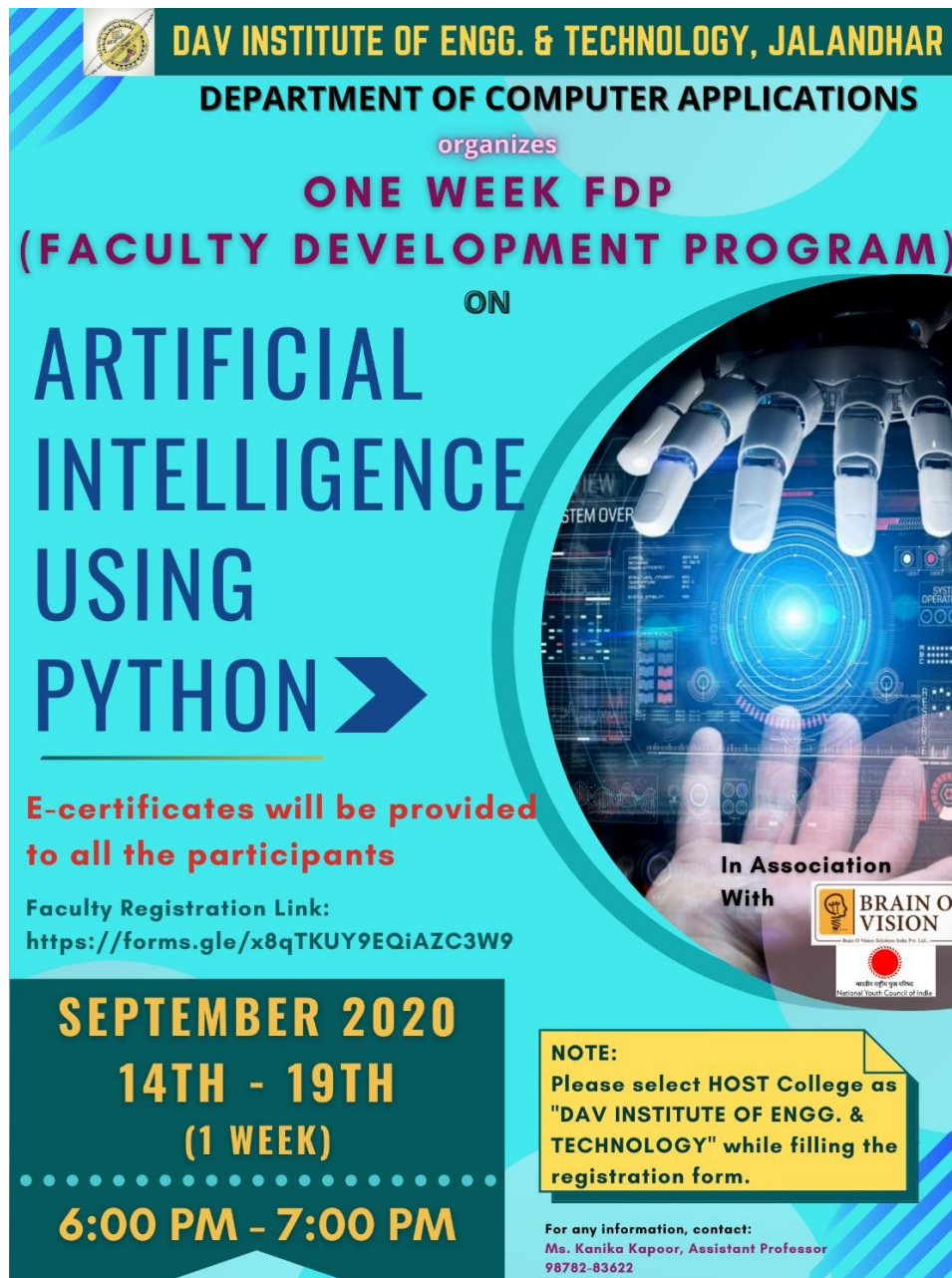
Shalekh Kumar Purohit (Guest) Dr. Hsin T Philip Vibhor Mishra Dr. Suresh Kumar (Guest) k.kamesh

**DAV INSTITUTE OF ENGINEERING &
TECHNOLOGY**

Department of Computer Applications

FACULTY DEVELOPMENT PROGRAMMES

1. Hands-On FDP on Artificial Intelligence: (14th Sep – 19th Sep 2020)



The poster features a teal and blue color scheme. At the top left is the DAV Institute logo. The main text is centered, with 'ARTIFICIAL INTELLIGENCE USING PYTHON' in large blue letters and a blue arrow pointing right. To the right is a circular image of a robotic hand interacting with a futuristic digital interface. At the bottom left, a dark teal banner contains the dates and time in yellow text. A yellow note box is at the bottom right. Logos for 'BRAIN O VISION' and 'National Youth Council of India' are also present.

DAV INSTITUTE OF ENGG. & TECHNOLOGY, JALANDHAR
DEPARTMENT OF COMPUTER APPLICATIONS
organizes
ONE WEEK FDP
(FACULTY DEVELOPMENT PROGRAM)
ON
ARTIFICIAL INTELLIGENCE USING PYTHON ➤

E-certificates will be provided to all the participants

Faculty Registration Link:
<https://forms.gle/x8qTKUY9EQiAZC3W9>

SEPTEMBER 2020
14TH - 19TH
(1 WEEK)
6:00 PM - 7:00 PM

NOTE:
Please select HOST College as "DAV INSTITUTE OF ENGG. & TECHNOLOGY" while filling the registration form.

In Association With
BRAIN O VISION
Brain O Vision Solutions India Pvt. Ltd.
National Youth Council of India

For any information, contact:
Ms. Kanika Kapoor, Assistant Professor
98782-83622

6.3.3 Average number of professional development/administrative training programs organized by the institution for teaching and non-teaching staff during the last five years

1. One Week National Level **Faculty Development Program** "ARTIFICIAL INTELLIGENCE USING PYTHON" was organized by Department of Computer Application, DAVIET on 14/9/2020 to 19/9/2020 in association with Brainovision Solution Pvt Ltd. and National Youth Council of India (NYCI).

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Certificate of Participation

This certificate is awarded to

DAV Institute Of Engg. And Technology

In appreciation of organizing 1 week faculty development program on "Artificial Intelligence using Python" in collaboration with **Brainovision Solutions India Pvt. Ltd.** and **National Youth Council Of India (NYCI)** held from 14th september, 2020 to 19th September, 2020.

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REPORT

FDP on Artificial Intelligence using Python

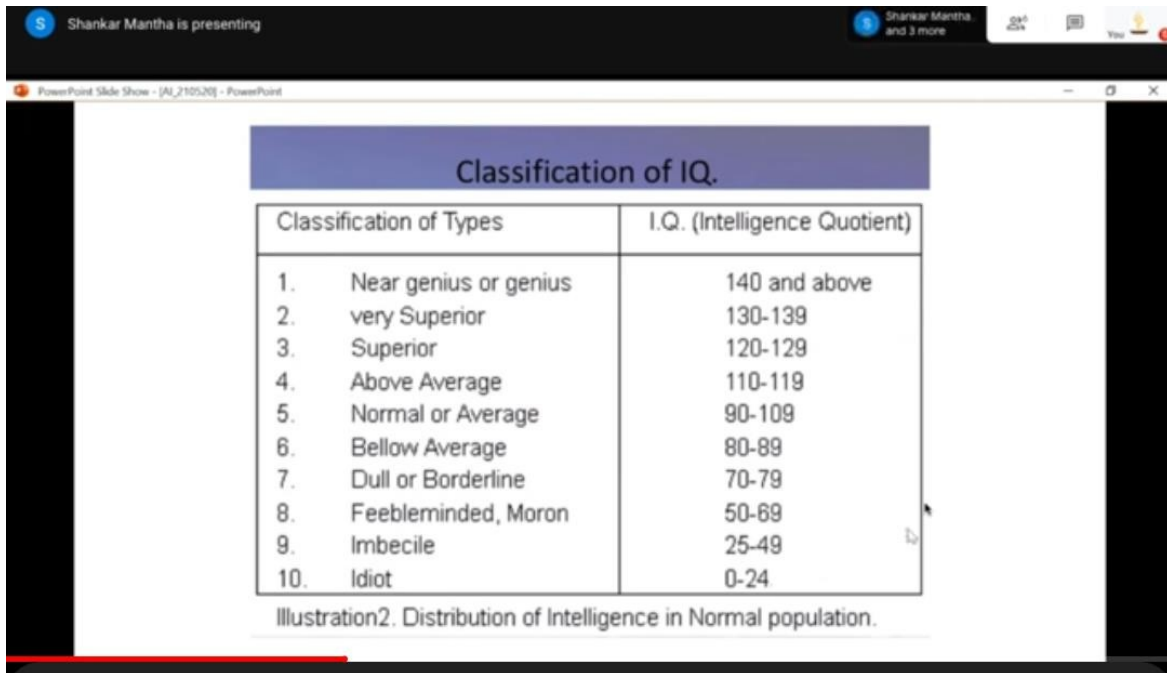
World's largest 1-week Hands on Faculty Development Programme on Artificial Intelligence using Python had been organized by Dept. of Computer Applications in association with BrainOvision, Hyderabad starting from 14th Sept- 19th Sept 2020. It was conducted on a virtual platform through Zoom & Youtube. Dr. ChandraShekhar, Chief, AICTE inaugurated the event. Above 150 participants had actively attended the FDP. It was an inter-college programme across India with free registration. E-certificates were provided to all the participants.

The following concepts were discussed in the FDP:

- Data Analytics
- Data Mining
- Machine learning
- Artificial Intelligence
- Soft computing
- Speech and NLP

FDP on Artificial Intelligence Using Python

1. DAY 1- (14th Sept 2020):



Shankar Mantha is presenting

Shankar Mantha and 3 more

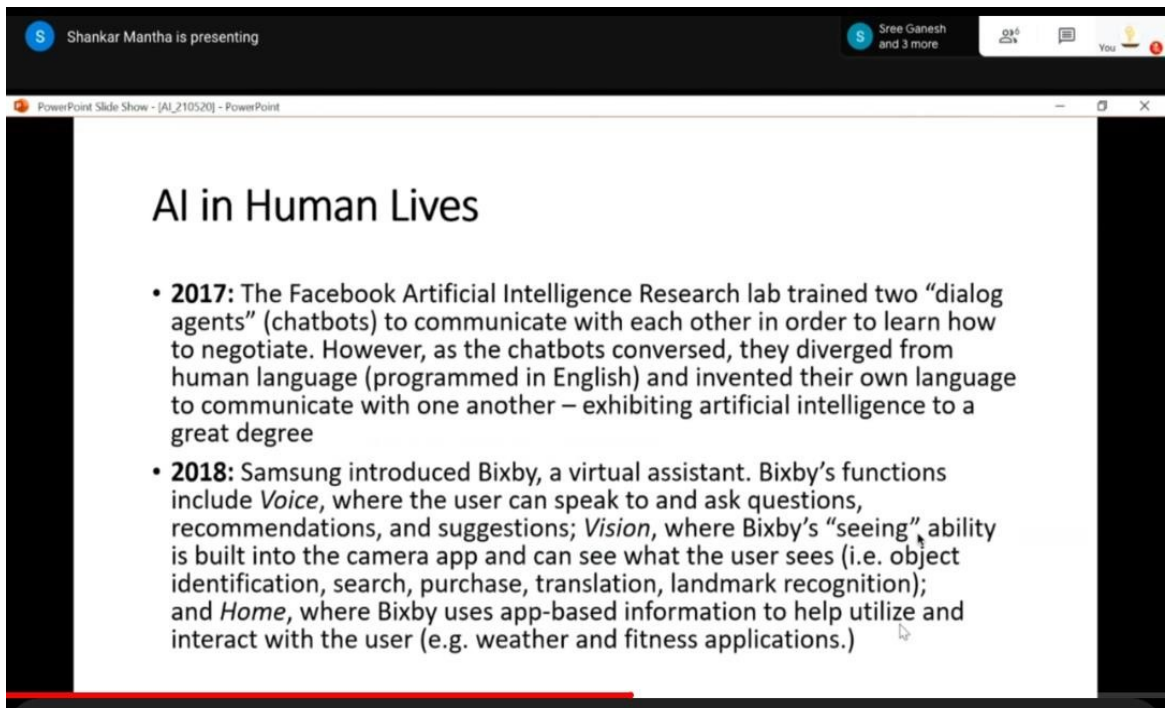
PowerPoint Slide Show - [AI_210520] - PowerPoint

Classification of IQ.

Classification of Types	I.Q. (Intelligence Quotient)
1. Near genius or genius	140 and above
2. very Superior	130-139
3. Superior	120-129
4. Above Average	110-119
5. Normal or Average	90-109
6. Bellow Average	80-89
7. Dull or Borderline	70-79
8. Feebleminded, Moron	50-69
9. Imbecile	25-49
10. Idiot	0-24

Illustration2. Distribution of Intelligence in Normal population.

2. DAY 2- (15th Sept 2020):



Shankar Mantha is presenting

Sree Ganesh and 3 more

PowerPoint Slide Show - [AI_210520] - PowerPoint

AI in Human Lives

- **2017:** The Facebook Artificial Intelligence Research lab trained two “dialog agents” (chatbots) to communicate with each other in order to learn how to negotiate. However, as the chatbots conversed, they diverged from human language (programmed in English) and invented their own language to communicate with one another – exhibiting artificial intelligence to a great degree
- **2018:** Samsung introduced Bixby, a virtual assistant. Bixby’s functions include *Voice*, where the user can speak to and ask questions, recommendations, and suggestions; *Vision*, where Bixby’s “seeing” ability is built into the camera app and can see what the user sees (i.e. object identification, search, purchase, translation, landmark recognition); and *Home*, where Bixby uses app-based information to help utilize and interact with the user (e.g. weather and fitness applications.)

FDP on Artificial Intelligence using Python

3. DAY 3- (16th Sept 2020):

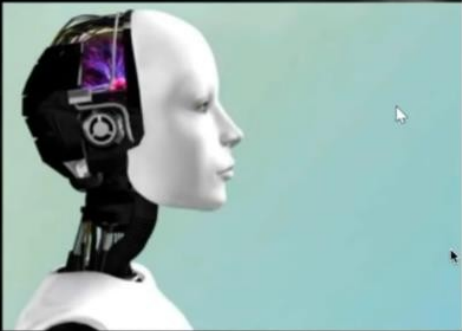
Shankar Mantha is presenting

Shankar Mantha and 3 more

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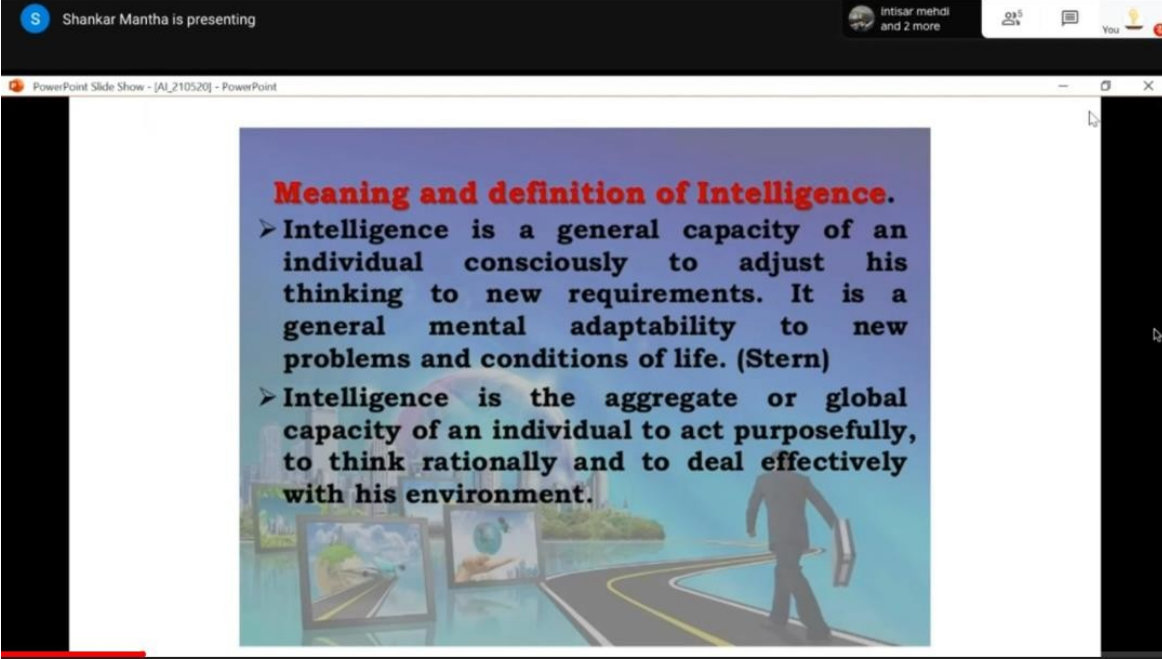
What is Artificial Intelligence

"The ability of a digital computer or computer controlled robot to perform tasks commonly associated with intelligent beings."



FDP on Artificial Intelligence using Python

4. DAY 4- (17th Sept 2020):



Shankar Mantha is presenting

Intisar mehdi and 2 more

5

You

PowerPoint Slide Show - [AI_210520] - PowerPoint

Meaning and definition of Intelligence.

- Intelligence is a general capacity of an individual consciously to adjust his thinking to new requirements. It is a general mental adaptability to new problems and conditions of life. (Stern)
- Intelligence is the aggregate or global capacity of an individual to act purposefully, to think rationally and to deal effectively with his environment.

Faculty Development Program On Artificial Intelligence - Session By Dr.S.S.Mantha

5. DAY 5- (18th Sept 2020):

The screenshot shows a presentation window with a slide titled "Turing Test" and subtitle "Imitation Game Test!!!!". The slide text states: "❖ The Turing test is a test of a machine's ability to demonstrate intelligence". Below the text is a diagram of the Imitation Game. A questioner (C) is positioned at the bottom, asking questions. Two entities, A and B, are positioned at the top, separated by a horizontal line. Entity A is represented by a green square and a female symbol (♀). Entity B is represented by a female symbol (♀). Entity C is represented by a stick figure and a box containing a female symbol (♀), a male symbol (♂), and a question mark (?). The presentation window includes a header with "Shankar Mantha is presenting" and a footer with "Shankar Mantha and 3 more".

Faculty Development Program On Artificial Intelligence - Session By Dr.S.S.Mantha



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09:30 AM - 11:00 AM

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PROF.(DR.) MANOJ KUMAR
Principal, DAVIET

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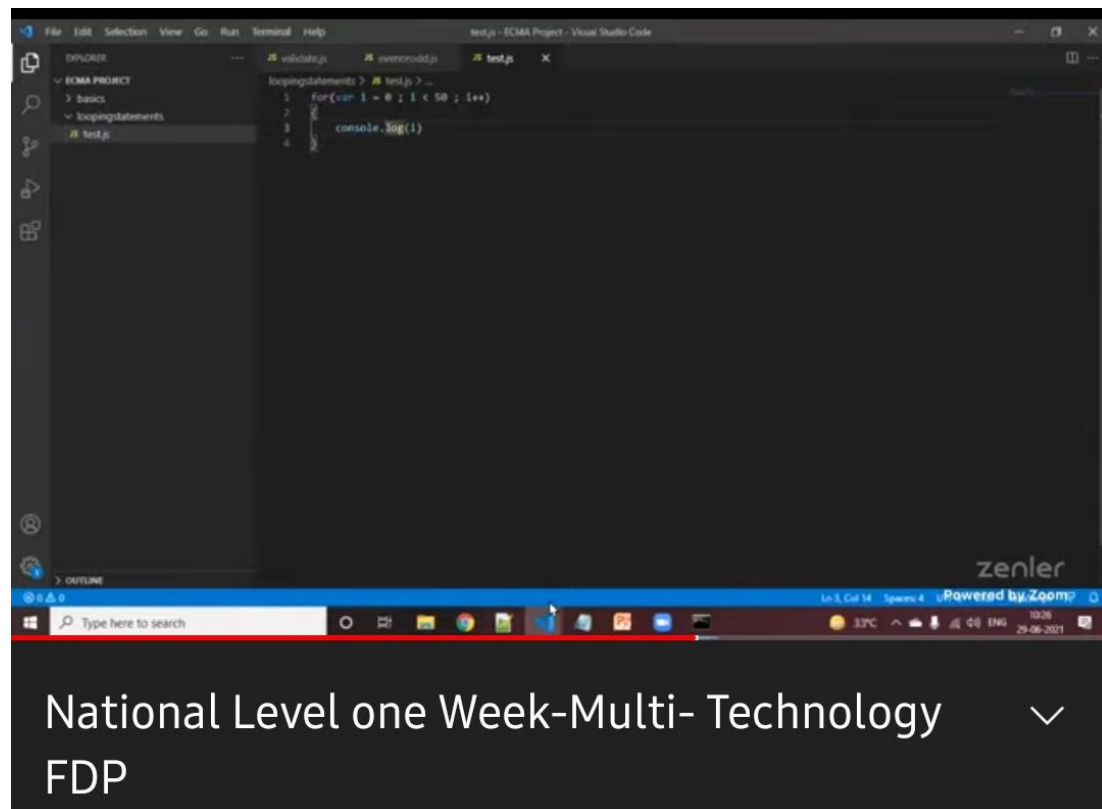
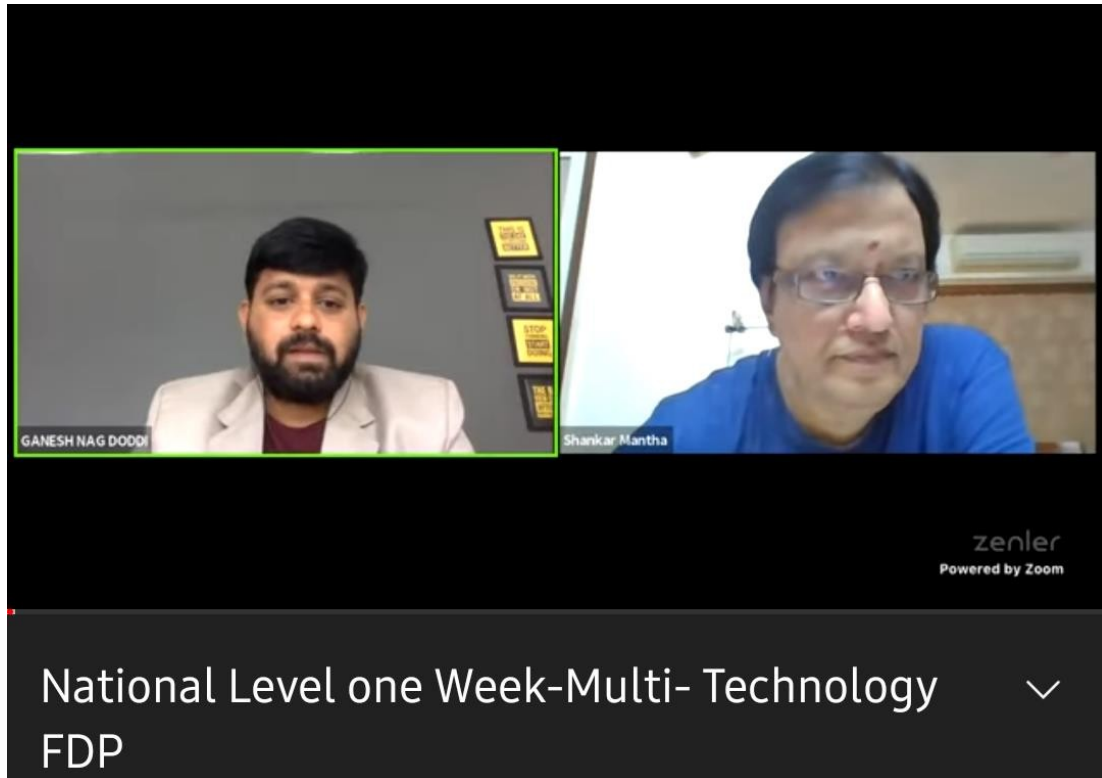
National Level One-Week FDP on MULTI-TECHNOLOGY

A **National Level One-Week FDP on MULTI-TECHNOLOGY** had been organized by Dept. of Computer Applications in association with BrainOvision, Hyderabad and National Youth Council of India, starting from 28th June to 3rd July 2020. It was conducted on a virtual platform through Zoom & Youtube. Above 175 participants had actively attended the FDP. It was an inter-college programme across India. E-certificates were provided to all the participants. It followed the principle of “***Each Day New Technology***”. The resource persons were invited from the industry. The following technologies were discussed in the FDP:

- DART
- REACT JS
- INFORMATICA
- AWS
- DEVOPS
- GITHUB

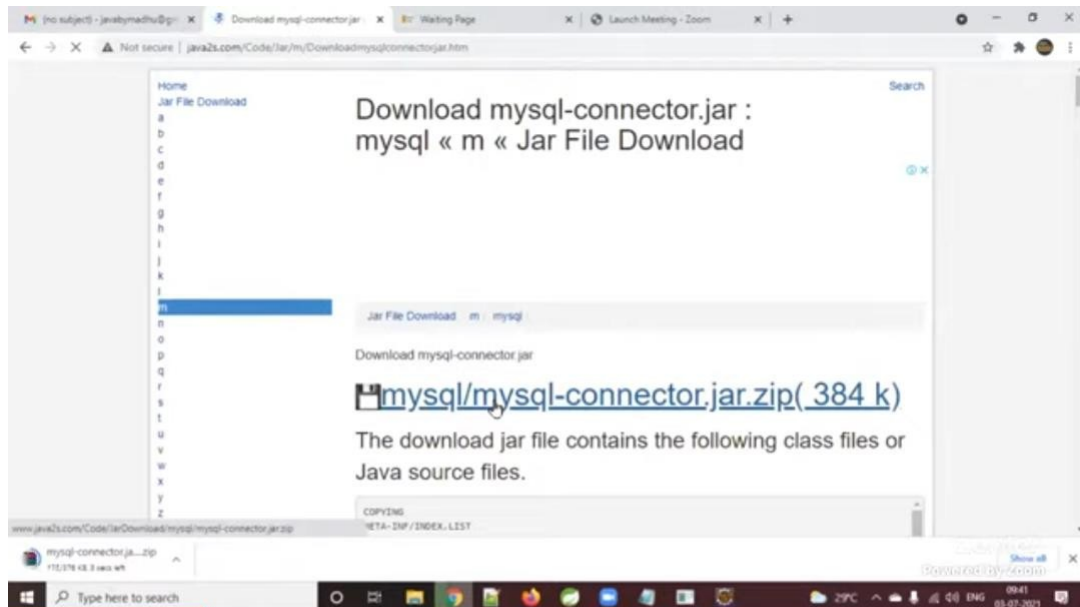
National Level One-Week FDP on MULTI-TECHNOLOGY

1. DAY 1- (28th June 2021):

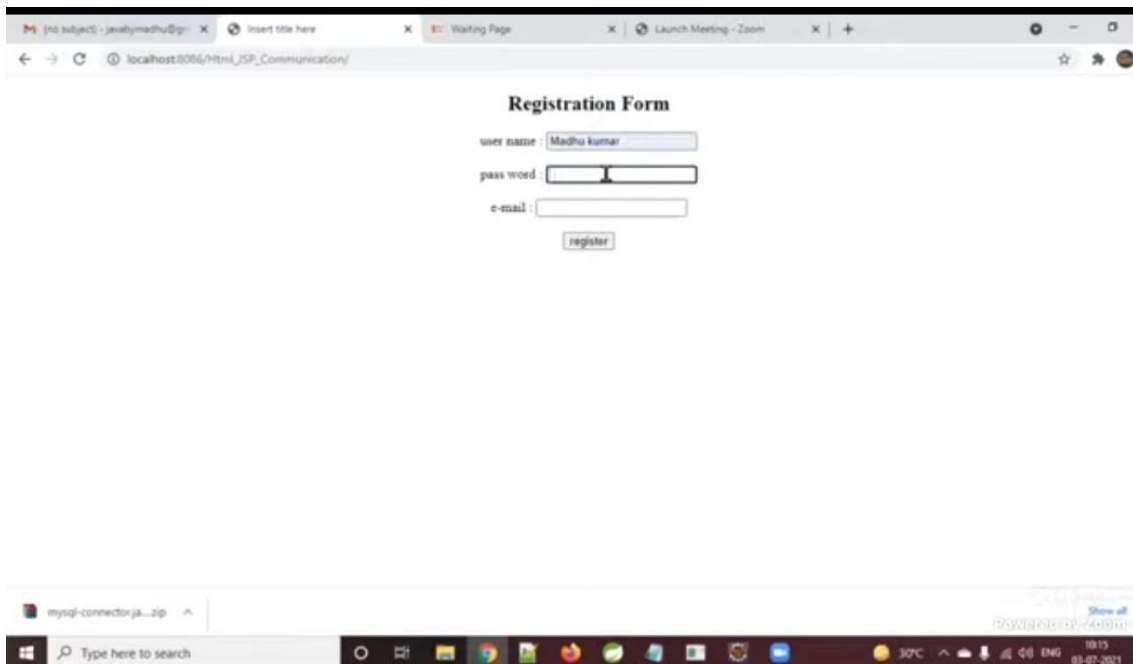


National Level One-Week FDP on MULTI-TECHNOLOGY

2. DAY 2- (29th June 2021):

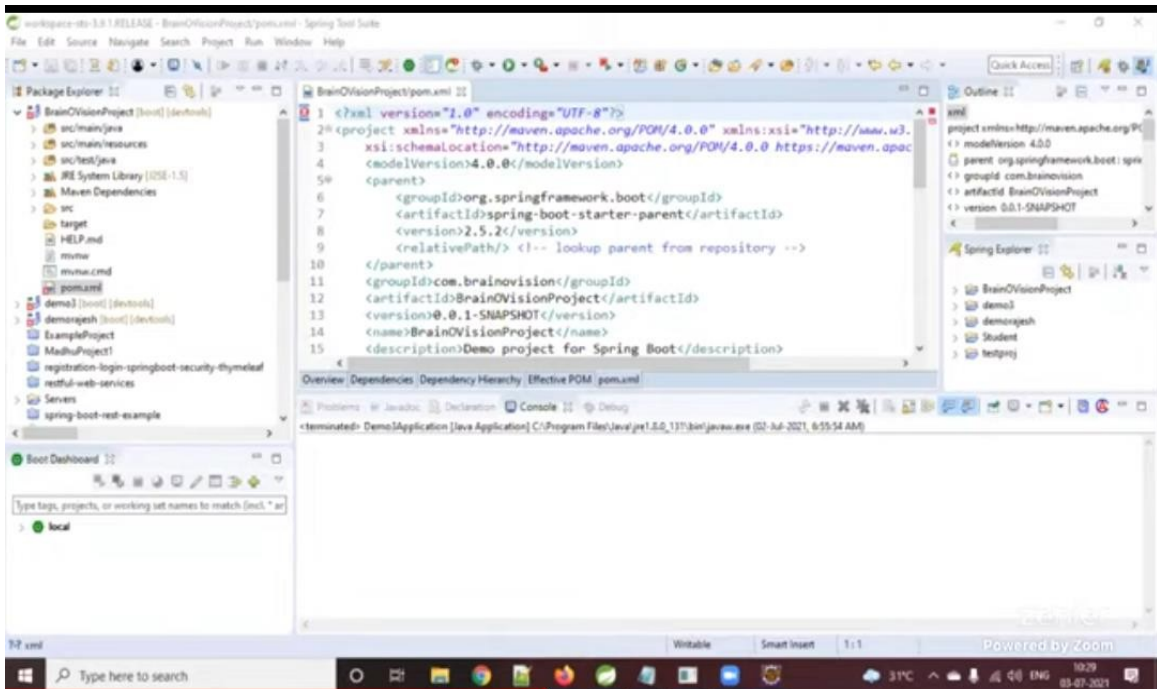


The screenshot shows a web browser window with the address bar displaying 'java2s.com/Code/Jar/my/Downloadmysqlconnectorjar.htm'. The page content includes a search bar, a navigation menu, and a main heading 'Download mysql-connector.jar : mysql « m « Jar File Download'. Below the heading, there is a search bar with 'Jar File Download m mysql' entered. The main content area displays 'Download mysql-connector.jar' and a link to 'mysql/mysql-connector.jar.zip (384 k)'. A note below the link states: 'The download jar file contains the following class files or Java source files.' The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. A dark overlay at the bottom of the image contains the text 'National Level one Week-Multi- Technology FDP' and a downward arrow.



The screenshot shows a web browser window with the address bar displaying 'localhost:8086/html_JSP_Communicatory/'. The page content features a 'Registration Form' with three input fields: 'user name' (containing 'Madhu kumar'), 'pass word', and 'e-mail'. A 'register' button is located below the input fields. The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. A dark overlay at the bottom of the image contains the text 'National Level one Week-Multi- Technology FDP' and a downward arrow.

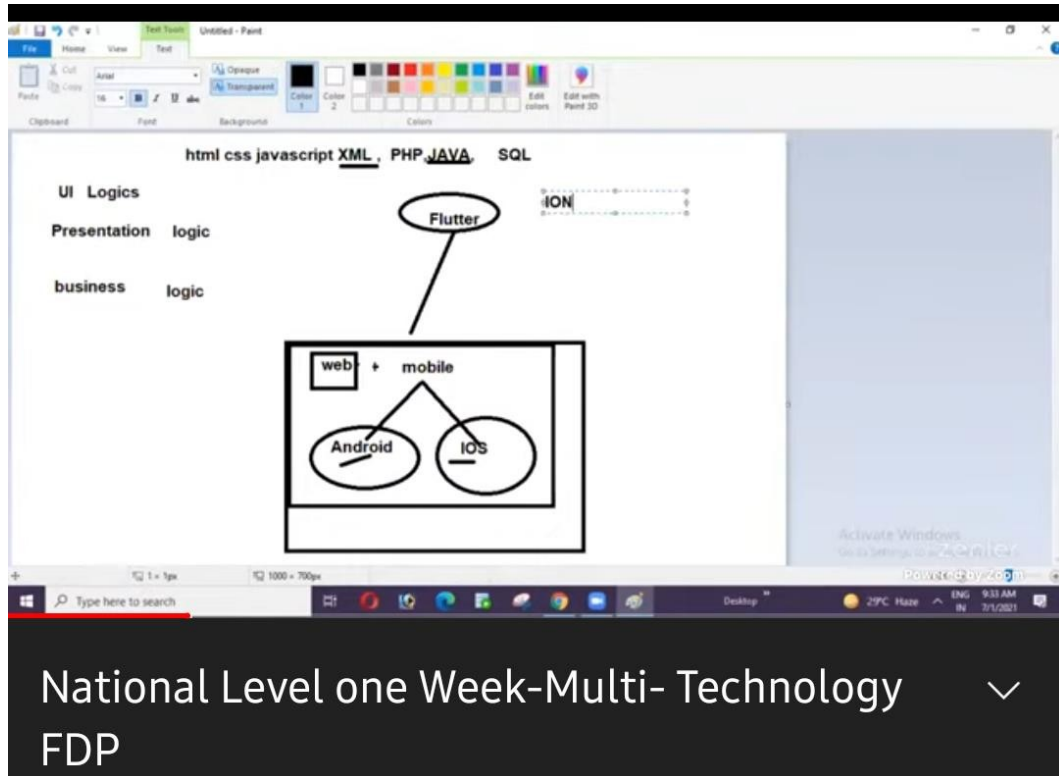
National Level One-Week FDP on MULTI-TECHNOLOGY



National Level one Week-Multi- Technology
FDP

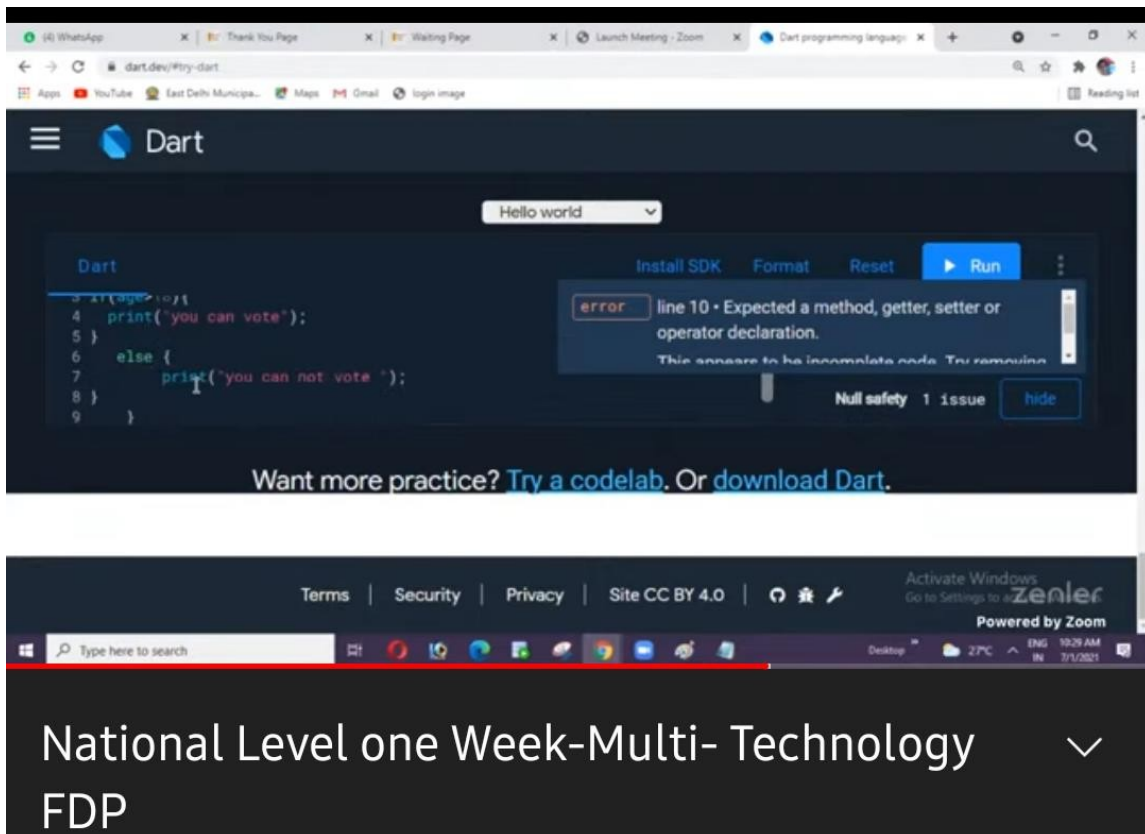
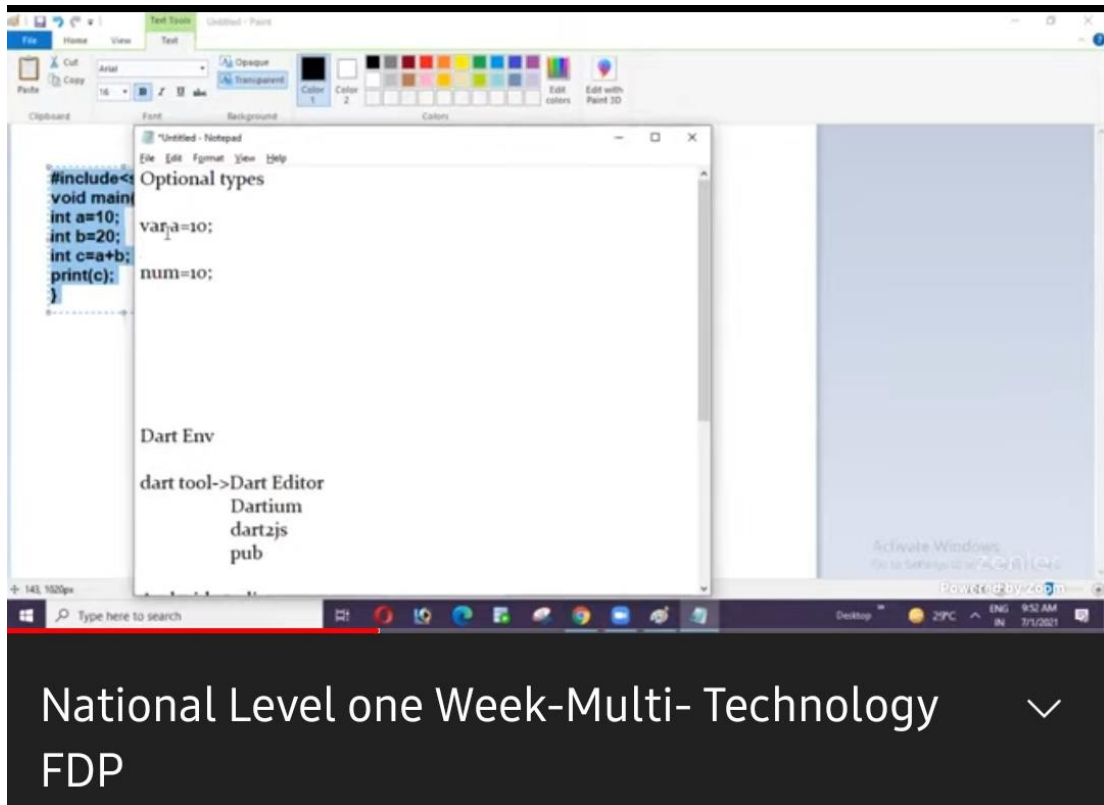
National Level One-Week FDP on MULTI-TECHNOLOGY

3. DAY 3- (30th June 2021):



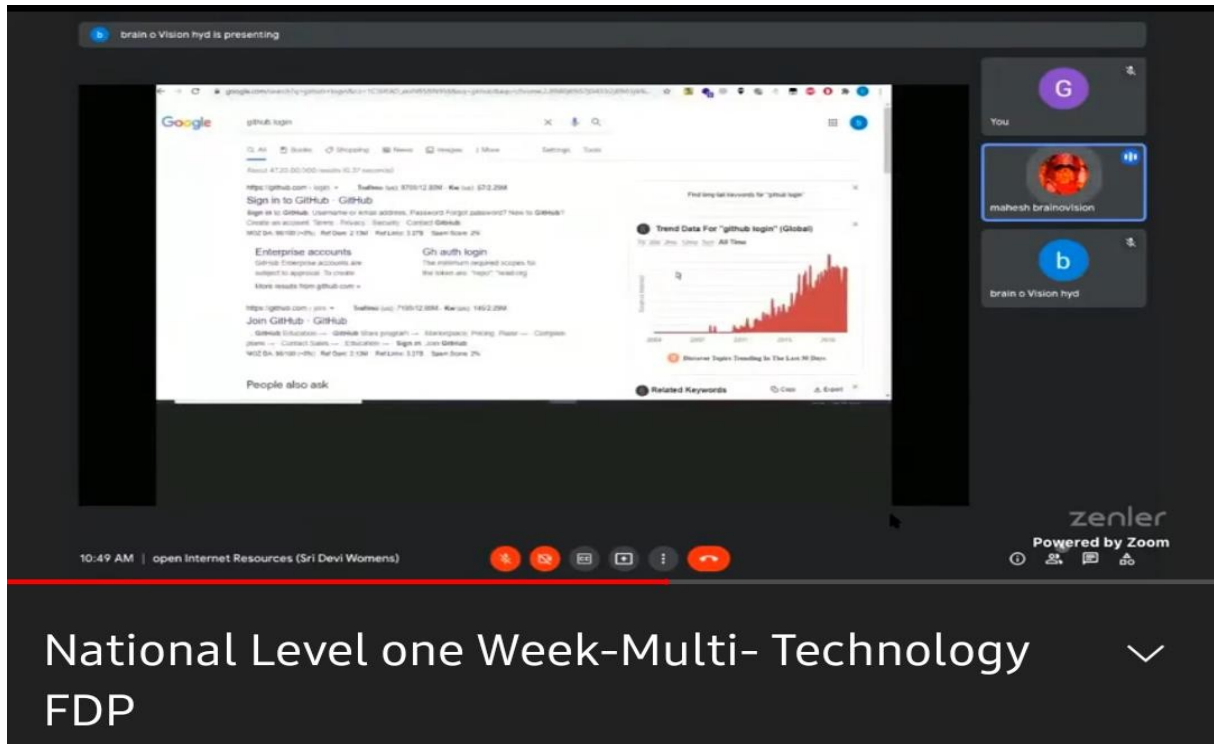
National Level one Week-Multi- Technology
FDP

National Level One-Week FDP on MULTI-TECHNOLOGY

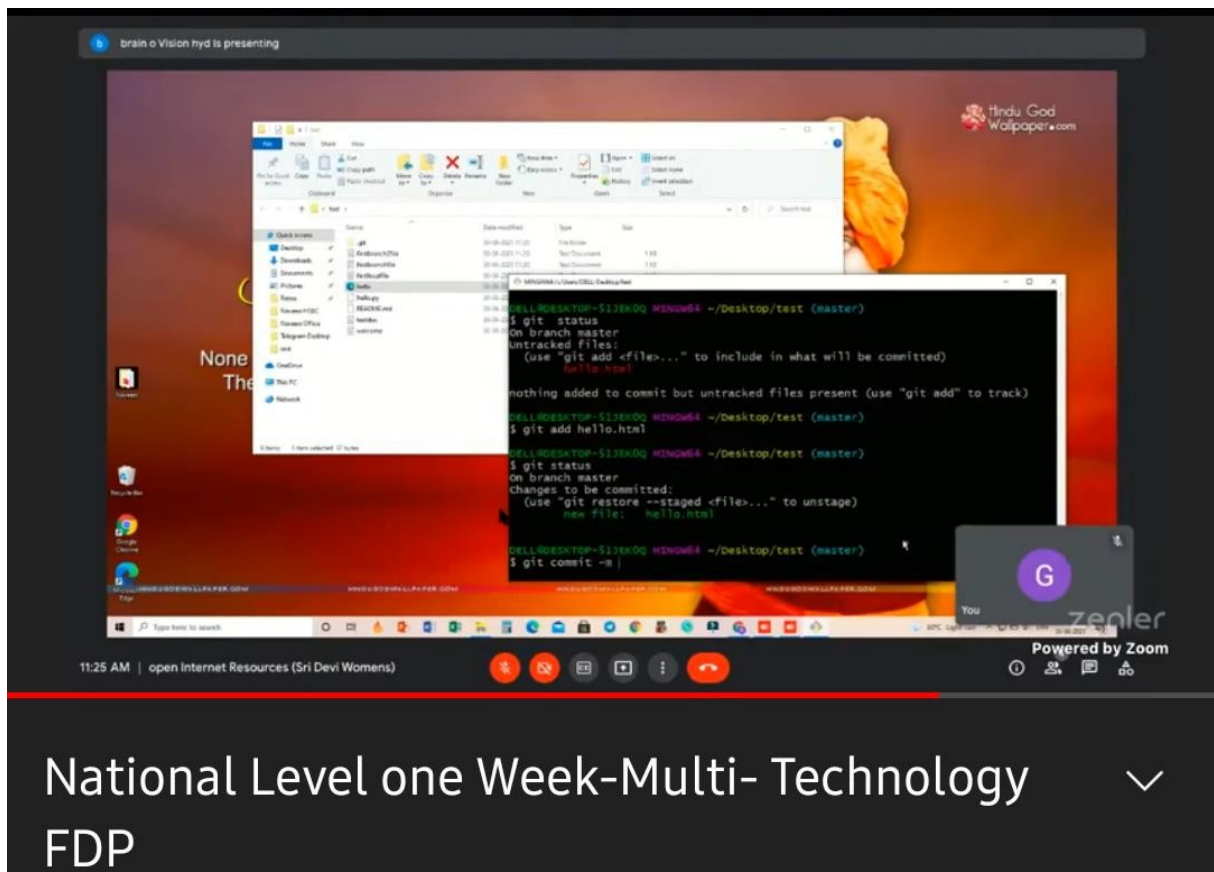


National Level One-Week FDP on MULTI-TECHNOLOGY

4. DAY 4- (1st July 2021):



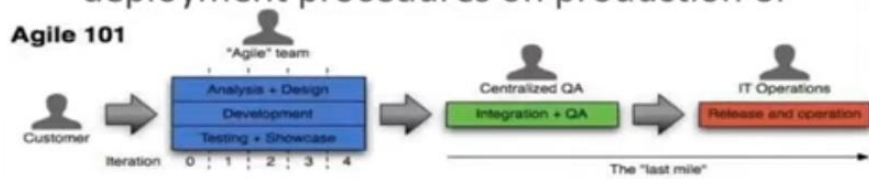
National Level one Week-Multi- Technology
FDP



National Level one Week-Multi- Technology
FDP

Continuous Delivery

- Taking each CI build and run it through deployment procedures on production or



Continuous Delivery



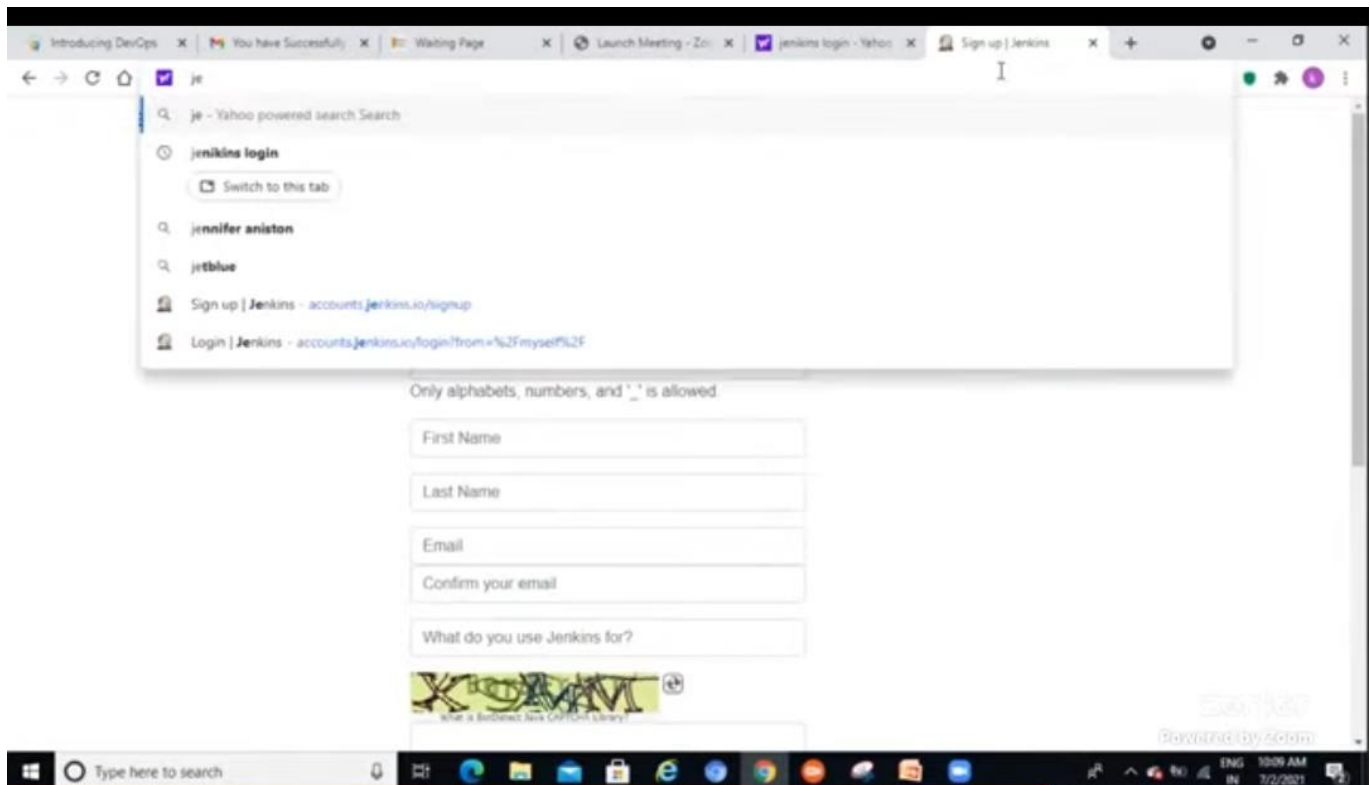
Acceptance test driven development process
Tight collaboration between business and delivery teams
Cross-functional teams include QA and operations
Automated build, testing, db migration and deployment
Incremental development on mainline with continuous integr
Software always production ready
Releases tied to business needs, not operational constraints

zenler
powered by Zoom

National Level one Week-Multi- Technology
FDP



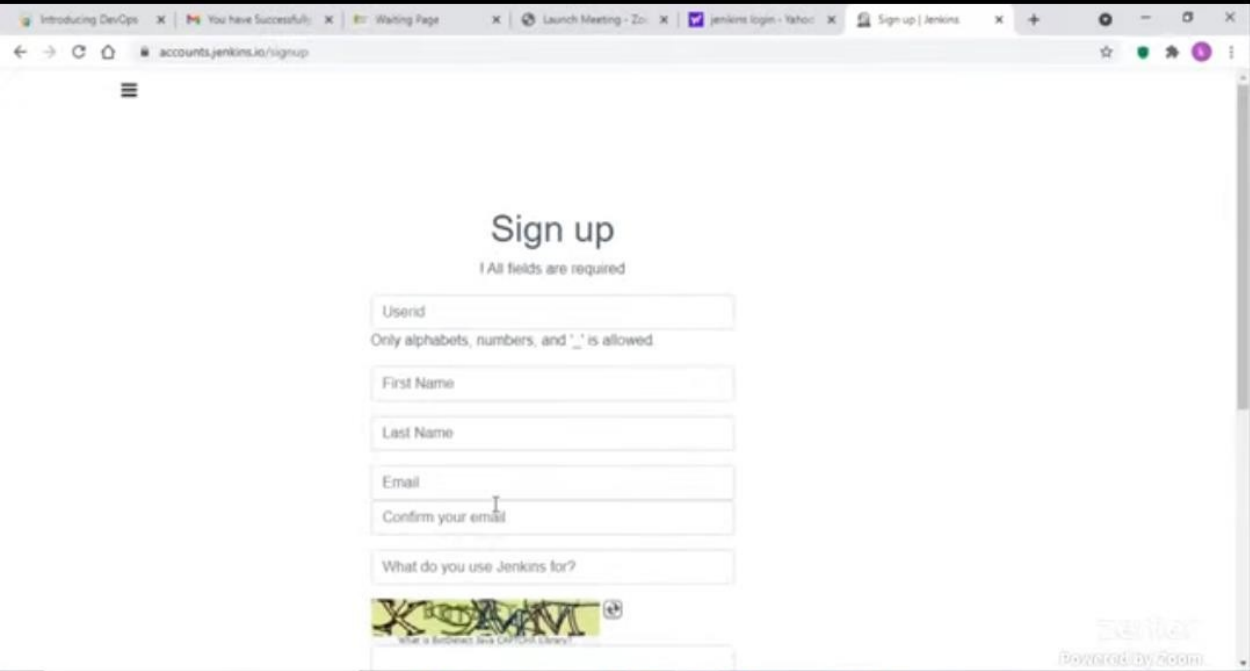
National Level One-Week FDP on MULTI-TECHNOLOGY



National Level one Week-Multi- Technology
FDP

National Level One-Week FDP on MULTI-TECHNOLOGY

5. DAY 5- (2nd July 2021):



The screenshot shows a web browser window with the URL `accounts.jenkins.io/signup`. The page title is "Sign up" and it includes the instruction "All fields are required". The form contains the following fields:

- Userid (with a note: "Only alphabets, numbers, and '.' is allowed.")
- First Name
- Last Name
- Email
- Confirm your email
- What do you use Jenkins for?

At the bottom of the page, there is a logo for "XOZAM" and a "Powered by Acom" watermark. The Windows taskbar is visible at the bottom of the browser window.

National Level one Week-Multi- Technology
FDP

National Level One-Week FDP on MULTI-TECHNOLOGY

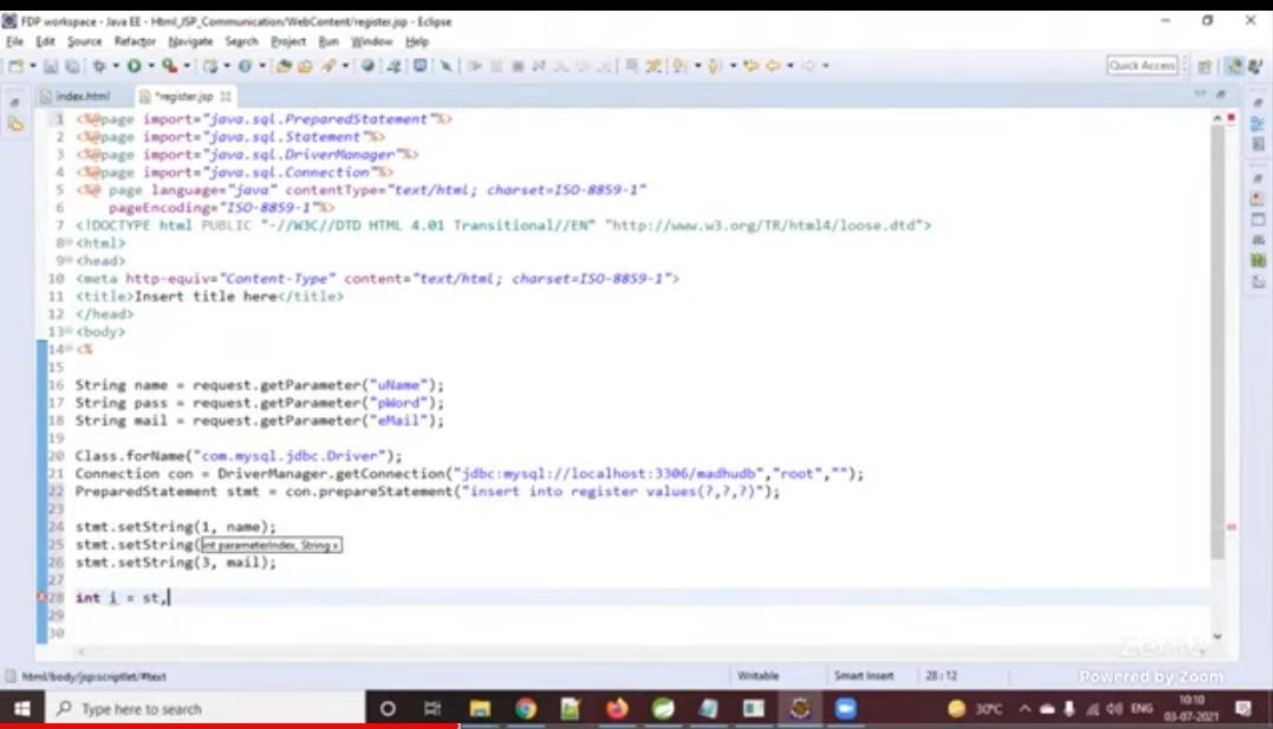
```
7 import java.sql.Statement;
8
9 public class CreateTable
10 {
11     public static void main(String[] args) throws ClassNotFoundException, SQLException
12     {
13         // Load the Driver
14         Class.forName("com.mysql.jdbc.Driver");
15         // create Connection
16         Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/");
17         // create Statement
18         Statement stmt = con.createStatement();
19         // execute the Queries
20         //String sql = "create table student(id int, name varchar(30))";
21         //String sql = "insert into student values(112,'Madhu')";
22         //String sql = "update student set name = 'siva' where id = 112";
23
24         ResultSet rs = stmt.executeQuery("select * from student");
25     }
26 }
```

112 siva
retrieved successfully

National Level one Week-Multi- Technology
FDP

National Level One-Week FDP on MULTI-TECHNOLOGY

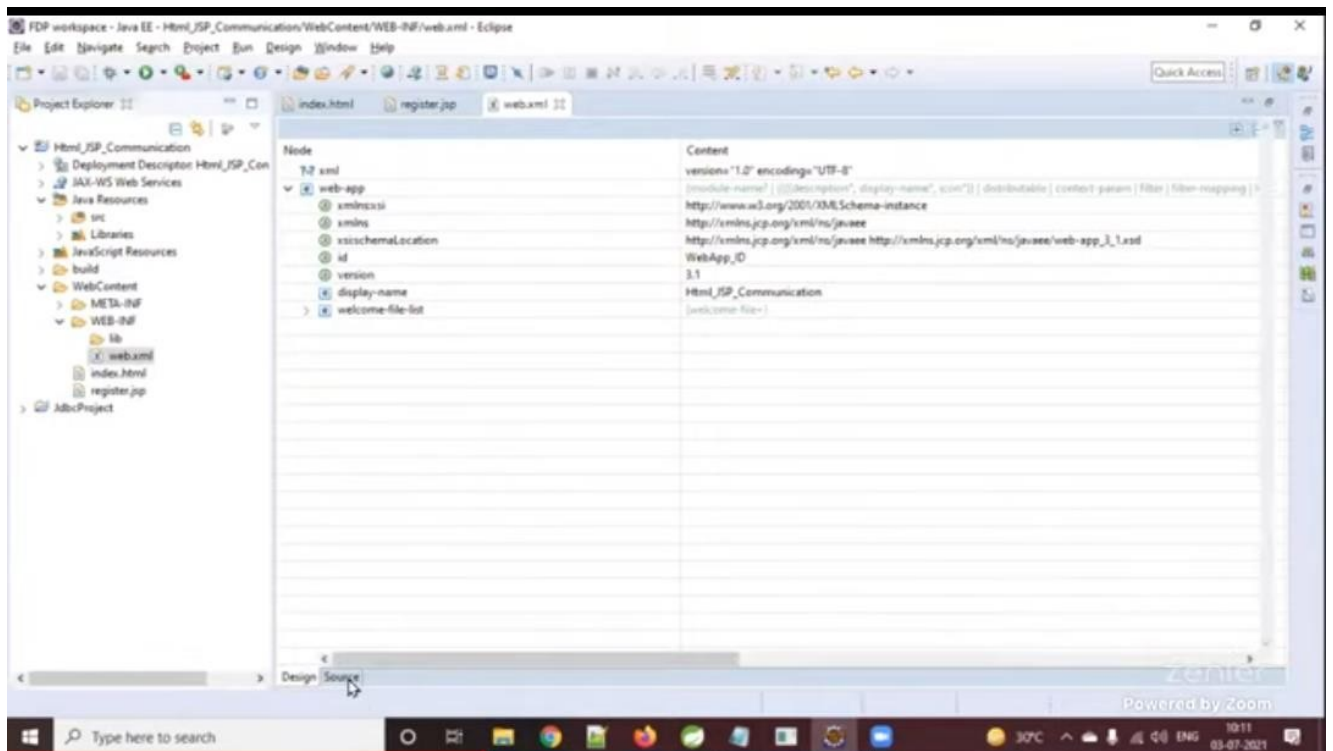
6. DAY 6- (3rd July 2021):



```
1 <%page import="java.sql.PreparedStatement"%>
2 <%page import="java.sql.Statement"%>
3 <%page import="java.sql.DriverManager"%>
4 <%page import="java.sql.Connection"%>
5 <%page language="java" contentType="text/html; charset=ISO-8859-1"
6   pageEncoding="ISO-8859-1"%>
7 <!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
8 <html>
9 <head>
10 <meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1">
11 <title>Insert title here</title>
12 </head>
13 <body>
14 <%
15
16 String name = request.getParameter("uName");
17 String pass = request.getParameter("pWord");
18 String mail = request.getParameter("eMail");
19
20 Class.forName("com.mysql.jdbc.Driver");
21 Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/madhudb","root","");
22 PreparedStatement stmt = con.prepareStatement("insert into register values(?,?,?)");
23
24 stmt.setString(1, name);
25 stmt.setString(2, pass);
26 stmt.setString(3, mail);
27
28 int i = stmt.executeUpdate();
29
30 %>
```

National Level one Week-Multi- Technology
FDP

National Level One-Week FDP on MULTI-TECHNOLOGY



National Level one Week-Multi- Technology
FDP

Annual Report-2020-21

During the academic year 2021-21 the different departments of the institute organised a total of five Faculty Development Programmes.

The Department of Computer Applications organised One Week Faculty Development Programme on the topic “**Artificial Intelligence Using Python**”. This FDP was organised from 14/09/2020 to 19/09/2020. In this FDP a total of 373 faculty members from the various institutes participated. This Faculty Development Programme was organised in association with Brainovision Solutions India Pvt. Limited and National Youth Council of India (NYCI).

The Department of Computer Applications of the institute organised one more Faculty Development Programme during the academic year 2020-21. The topic of FDP was “**Multi Technology**”. This FDP was organised from 07/06/2021 to 12/06/2021. A total of 158 participants participated in this FDP. This Faculty Development Programme was organised in association with Brainovision Solutions India Pvt. Limited and National Youth Council of India (NYCI).

The Department of Mechanical Engineering of the institute organised one week Induction/Refresher Program on the topic “**Advance Materials and Processes for Sustainable Intelligent Manufacturing**”. This Induction/Refresher Program was jointly sponsored by All India Council for Technical Education (AICTE) and Indian Society for Technical Education (ISTE). The Refresher/Induction program was organised from 21/12/2020 to 26/12/2020. This was attended by 36 faculty members from the various institutes of the country.

The second phase of the Induction/Refresher Program on the topic “**Advance Materials and Processes for Sustainable Intelligent Manufacturing**” was organized from March 17-23, 2021. This second phase was also jointly sponsored by All India Council for Technical Education (AICTE) and Indian Society for Technical Education (ISTE). The resource persons for the program were from the leading organizations/institutes of India and abroad. A total of 40 faculty members attended this one week refresher/induction program.

The Phase-III of this AICTE and ISTE sponsored Refresher/Induction program on “**Advance Materials and Processes for Sustainable Intelligent Manufacturing**” was organised from June 07-12, 2021. This program witnessed sessions of extremely high quality from the resource persons of international stature from industry and academia, not just from India also from leading universities of the world. A total of 78 participants across the nation attended this refresher/induction program.

2021-2022

AICTE-ISTE Sponsored Induction/Refresher Program on Advances in Materials Processing and Characterization organized during January 05-11, 2022 in online mode.



AICTE-ISTE Sponsored Induction/Refresher Program (Online)
Advances in Materials Processing and Characterization
January 05-11, 2022

Some of our Esteemed Resource Persons

 <p>Dr. Harpreet Singh Professor Department of Mechanical Engg. IIT, Ropar</p>	 <p>Dr. Dheepa Srinivasan Chief Engineer Pratt and Whitney IISc, Bangalore</p>	 <p>Dr. Satish Vasu Kailas Professor Surface Interaction and Manufacturing Laboratory IISc Bangalore</p>	 <p>Dr. Rupinder Singh Professor Mechanical Engg. NITTTR, Chandigarh</p>
 <p>Dr. Parag Bhargava Professor Metallurgical Engineering and Materials Science IIT Bombay</p>	 <p>Prof. Kantesh Balani Head, Advanced Centre for Materials Science, & Professor, Department of Materials Science and Engg. IIT Kanpur</p>	 <p>Dr. Apurba K Sharma Professor Department of Mechanical Engineering IIT, Roorkee</p>	 <p>Dr. Debrupa Lahiri Associate Professor Department of Metallurgical and Materials Engineering IIT, Roorkee</p>
 <p>Dr. Pinaki Prasad Bhattacharjee Professor, Materials and Metallurgical Engineering IIT Hyderabad</p>	 <p>Dr. Neha Sardana Assistant Professor Metallurgical and Materials Engineering IIT Ropar</p>	 <p>Dr. Animesh Mandal Associate Professor School of Minerals, Metallurgical & Materials Engineering IIT Bhubaneswar</p>	 <p>Dr. Indrani Sen Associate Professor Department of Metallurgical and Materials Engineering IIT, Kharagpur</p>

Register at <https://forms.gle/aJzaZ6GkhC8QcXYq6>

ORGANIZED BY:
DEPARTMENT OF MECHANICAL ENGINEERING
DAV INSTITUTE OF ENGINEERING AND TECHNOLOGY
JALANDHAR, PUNJAB - 144008

For additional Information, please contact:
Dr. Gaurav Kumar Dhuria
Program Coordinator
Associate Professor (ME)
gaurav.dhuria@davietjal.org, gkdhuria@gmail.com

LIST OF PARTICIPANTS

Name of the Participant	Department	Institute
Mr. Sumit Tiwari	Mechanical Engineering	PDPM IITDM
Dr. Aman Kumar	Mechanical Engineering	DAV INSTITUTE OF ENGINEERING AND TECHNOLOGY JALANDHAR
Dr. Amardeep Singh Kang	Mechanical Engineering	Lovely Professional University
Mr. C.Anil Kumar Reddy	Mechanical Engineering	KLEF-K L University, Guntur
Dr. B.Venkatesh	Mechanical Engineering	Vardhaman College of Engineering
Mr. C P Suresh Kumar	PETROCHEMICAL TECHNOLOGY	EXCEL COLLEGE OF ENGINEERING AND TECHNOLOGY
Mr. Mandeep Singh	Mechanical Engineering Department	Punjabi University, Patiala
Mr. Divesh Kumar Rohilla	Mechanical Engineering	B K Birla Institute of Engineering and Technology,
Dr. SANJAY KUMAR SINGH	DEPARTMENT OF PHYSICS	S. D. COLLEGE, BARNALA
Dr. Sridharbabu Yarramaneni	Applied Sciences - Physics	BML Munjal University
Mrs. Nidhi Pathak	Physics	Hans Raj Mahila Maha Vidyalaya
Dr. Ravinder Pal Singh	Mechanical Engineering	Lovely Professional University
Dr. B.Gayathri	Chemistry	Coimbatore Institute of Technology
Dr. Ghanshyam Das	Materials and Metallurgical Engineering	National Institute of Advanced Manufacturing Technology
Dr. Gurpartap Singh	Mechanical Engineering	CT Group of Institutions
Dr. Harminder Singh Saggu	Mechanical engineering	Lovely Professional University
Mr. Harmish Bhatt	Mechanical engineering department	CSPIT, CHARUSAT, Changa
Dr. Hiral Parikh	Mechanical Engg.	Navrachana University
Mr. Hrishikesh Shastri	Centre for Sustainable technology and Product Development	O.P. Jindal University

Mr. Jagannath Pattar	Mechanical engineering	Madanapalle institute of technology and science
Dr. Jayant Kolte	School of Physics and Materials Science	Thapar Institute of Engineering and Technology
Dr. JIBIN T PHILIP	Mechanical Engineering Automobile	Amal Jyothi College of Engineering
Dr. Jimmy Mehta	Mechanical Engineering	Manav Rachna International Institute of Research and Studies
Dr. Kapilan N	Mechanical Engineering	Nitte Meenakshi Institute of Technology
Dr. Kulwant Singh	Mechanical Engineering	Chandigarh University
Mr. KUSHAL SURESH WASANKAR	Mechanical Engineering Department	Government College of Engineering, Aurangabad
Dr. Kamarur Zaman Molla	Mecanical Engineering	CUIET
Mr. Munish Digra	Mechanical Engineering	CTIEMT
Dr. Payal Sharma	Applied Sciences	DAVIET
Mr. D.S.SAHOTA	MECHANICAL ENGINEERING	PUNJABI UNIVERSITY, PATIALA
Mr. Ravinder Goyal	Mechanical engineering	Gulzar Group of Institutions Ludhiana
Ms. KORRAYI ROJA RANI	Materials science center	IIT Kharagpur
Dr. Sandeep Singh	Mechanical Engineering	Punjabi University Patiala
Dr. Sanjay Wasudevrao Rukhande	Mechanical Engineering	Fr. C. Rodrigues Institute of Technology
Mr. Sanjeev Kumar	Mechanical	CT Group
Dr. Sarbjeet Kaushal	Mechanical Engineering	Gulzar Group of Institutions, Khanna
Dr. Satish Kumar Sharma	Mechanical engineering	Thapar Institute of engineering and technology
Mrs. Saloni Sharma	Physics	Hans Raj Mahila Maha Vidyalaya
Dr. Shilpesh R. Rajpurohit	Department of Mechanical Engineering	B K Birla Institute of Engineering and Technology, Pilani
Dr. Shuhaib Mushtaq	Mechanical Engineering	Islamic University of Science & Technology J&K India
Mr. Simranjit Singh Sidhu	Mechanical Engineering Department	Punjabi University Patiala

Dr. S. Seralathan	School of Aeronautical Sciences	Hindustan Institute of Technology and Science, Chennai
Ms. Priyanka Sharma	Chemistry	Chandigarh University
Dr. Sunil Kumar	Mechanical Engineering	Chitkara University Institute of Engineering and Technology
Mr. Suresh Chand	Department of Metallurgical and Materials Engineering	Punjab Engineering College
Mr. Sushil Kumar	Physics	Hans Raj Mahila Maha Vidyalaya, Jalandhar
Mr. Varinder Singh	Mechanical Engineering	CT Group of Institutions
Dr. Rajeev Verma	Ind & Prod Engg	Dr B R Ambedkar NIT Jalandhar
Mrs. Vidya Pandey	Chemical Engineering	DAV University
Mr. Vinod kumar	Mechanical Engineering	Mahatma Gandhi Government engineering College, Jeori
Mr. Yakkaluri Pratapa Reddy	Mechanical Engineering	Koneru Lakshmaiah Education Foundation

REPORT

FDP on “Advances in Materials Processing and Characterization”


AICTE-ISTE sponsored Induction/refresher Program on “Advances in Materials Processing and Characterization” was organized by the Department of Mechanical Engineering from January 05-11, 2022 with inaugural session starting at 10:00AM onwards on the opening day. The event was inaugurated by the august presence of **Col. B. Venkat**, Director, Faculty Development Cell, AICTE, New Delhi and **Prof. Vijay D. Vaidya**, Executive Secretary, ISTE New Delhi who joined in virtual mode. The inaugural event started with auspicious lightening of lamp followed by the *DAV Song*. Speaking on the occasion, Prof. Vaidya called upon the participants to extract maximum benefit through learning from the resource persons and create new avenue in the research in the related field. He also highlighted the importance of research and such programs in the context of NEP 2020. While lauding the efforts of the host institute, Col. B. Venkat called upon the participants to establish a good mutual connect and that with resource persons so as to move together in unison with the goal of continuous improvement.

The event witnessed sessions of extremely high quality from the resource persons of International Stature, from Industry and Academia. Some of the experts who enlightened the participants with their talks during the week-long event include, **Prof. Kantesh Balani**, IIT Kanpur, **Dr. A. K. Sharma**, IIT Roorkee, **Prof. Satish V. Kailas**, IISc Bangalore, **Prof. Harpreet Singh**, IIT Ropar, **Dr. RupinderSingh**, NITTTR Chandigarh, are some of the names among several speakers of great eminence. Therewas also a session on Stress Management and Happy Living which was conducted by **Ms. Paulomi Mukherji**, International Teaching Faculty, Art of Living foundation. **Dr. Dheepa Srinivasan** Metallurgical and Materials Engineer, Consultant-Additive Technologies, a renowned name in the domain, delivered a talk on Challenges in Qualifying Additive Manufacturing for Gas Turbine applications while Dr. Gaurav Kumar Dhuria, from the host institute delivered a detailed talk on National Education Policy 2020 on the concluding day and gave a thorough insight to all the participants. The participants dispersed at the valedictory session with National Anthem and with trust to have acquired decent learning from the week long program. Subsequently the quiz was conducted to assess the learning and performance of the participants.


Speaking at the valedictory function, **Col. B. Venkat** said that AICTE is determined at creating Knowledgeable Faculty Members with the Blend of Technology through the use of online teaching due to the prevailing circumstances and applauded the efforts of DAVIET in this line to meet the objective thereof. He congratulated the coordinator and the host institute for successful conduct of the event. **Dr. P. K. Desai**, President ISTE also lauded the efforts and hard work of the DAVIET and the organizing team for the successful conduct of the program. He said that a teacher has to be constant learner and cited several stories to motivate the participants for excellence. He said that excellence is a journey wherein one has to move forward every day, every moment by learning and improving oneself.

65 participants took part in the program which went on for 6 days and 18 sessions (including one each for inauguration and valedictory). The sessions covered almost all the topics that were planned and conceived and included diverse fields of advanced materials such as metal and polymer-based composites, biomaterials for use with additive manufacturing, smart materials and manufacturing strategies including additive manufacturing, composites and the characterization part.


AICTE-ISTE Sponsored Induction/Refresher Program on Advance Materials and Processes for Sustainable Intelligent Manufacturing held during Jan 5-11, 2022.



Properties & Applications




Properties of glass-ceramics



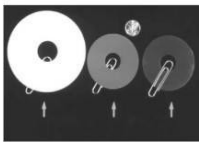
Dated 08.01.2022

Shibayan Roy


Application of glass-ceramics




Telescope mirror




Memory disk



Vision cooking materials



Electronics industry




Shibayan Roy

PC

+46

Prof Suresh ...




Microsoft Teams Search


AMPC FDP DAY 2

01:28:30

Recording has started. This meeting is being recorded. By joining, you are giving consent for this meeting to be recorded. Privacy policy



Kantesh Balani



Dr. Rajeev Verma (Guest)

Meeting chat

D.S.SAHOTA (G... Prof Suresh ...

Dr. Sandeep Singh (Guest) 11:12 Thank you Sir for informative session

Dr. SANJAY SINGH 11:13 Thank you sir...

Dr. Gaurav Singh (Guest) 11:13 Thank you sir, for this informative session

West Raj Khillar (Guest) 11:14 Thank you sir very informative session

D

PC

S

DS

SK

+43

Sanjeev Ku...

Unmute

01:52:48



D.S.SAHOTA (Guest)



Dr. D.V.



Prof Suresh ...

Dated 06.01.2022

FDP on “Advances in Materials Processing and Characterization”

Acknowledgements

- DST
- DST-FIST
- Collaborators
 - ✓ J.W. Yeh, NTHU, Taiwan
 - ✓ N Tsuji, Kyoto U, Japan
 - ✓ S Guo, Chalmers U, Sweden
 - ✓ S Chatterjee, IIT Hyderabad
 - ✓ SRK Malladi, IIT Hyderabad
- Past and ongoing PhD students

Thank You!!

Dated 06.01.2022

MATERIALS TECHNOLOGIES HAVE ENABLED ENGINE ADVANCEMENTS

Propulsion innovation enabled by materials and processing technology

<p>J58 Powered SR-71</p> <p>DS blades, Cast & Wrought disks, 1st Gen Thermal Spray TBC coatings</p>	<p>JT9D powered Boeing 747</p> <p>1st Gen SC blades, 1st Gen PM disk, 1st Gen EB-PVD TBC</p>	<p>F100 Powered F-15 / F-16</p> <p>2nd Gen SC blades, Aluminide coatings, 2nd Gen PM/fracture tolerant disk</p>
<p>F119 Powered F-22</p> <p>LFW Ti IBR, Dual Property Disks, Burn Resistant Ti, CatArc Metallic Coatings</p>	<p>F135 Powered F-35</p> <p>Dual Property 3rd Gen PM disk, High modulus blade, 2nd Gen TBC coating</p>	<p>PW1133G Powered A320neo</p> <p>4th Gen PM disk alloy, Hybrid metallic airfoils, 3rd Gen TBC, γ-TiAl blades</p>

Participants

- Dheepa Srinivasan (Guest)
- Aman Maini (Guest)
- Anil Kumar Reddy (Guest)
- Ankush.Kohli
- C P Suresh Kumar (Guest)
- D.S.SAHOTA (Guest)
- Dr Ravinder Pal Singh (Guest)

Dated 07.01.2022

FDP on “Advances in Materials Processing and Characterization”

A screenshot of a Zoom meeting grid. The grid consists of several video windows showing participants. A prominent red text box in the center-right of the grid reads "Dated 07.01.2022". The participants visible include Paulomi Mukherjee (Guest), Ghanshyam Das (Guest), Sunil Kumar (Guest), Dr. Sarbjeet Kaushal (Guest), Payal Sharma, Saloni Sharma (Guest), and SANJAY RU... The Zoom interface on the right shows icons for other participants like Dr. Ravinder..., Dr. K. Z..., D.S.SAHOT..., Mandeep SL..., Dr. Sandee..., and SANJAY RU...

A screenshot of a presentation slide titled "Why Characterisation ...". The slide features a circular diagram with "Si₃N₄" at the center, surrounded by concentric circles representing various material properties: High strength, High toughness, Temperature stability, Wear resistance, Corrosion resistance, Flexural strength, Low thermal expansion, High thermal conductivity, Semiconductor properties, and High electrical resistance. Handwritten red annotations include "OXIDES" and "NON-OXIDES" with checkmarks, and "WC" and "Si₃N₄" circled. A red text box at the bottom of the slide reads "Dated 08.01.2022". To the right is a video window of Prof. AKS (Guest). The slide footer includes "Prof. AKS (Guest)", "Dr. Apurbba Kumar Sharma/IIT Roorkee", and "IIT ROORKEE".

FDP on “Advances in Materials Processing and Characterization”

WORK PROPOSAL (AT SPECIFIC SITE):

- Crack detection via 3D laser scanning
- Determining the volume of cavity
- 3D printing of smart thermoplastic reinforced material
- Assembly of smart reinforcement

Dated 05.01.2022

FD FDP DAVIET	GM Garvish Singh ME
D D.SAROTA (GURU)	HP Hiral Pathak
KR Korraya Raja Ram	CK C. P. Sainish Kumar...
SK Sakshay Kumar (S...)	SK Sudha Kumar
DS Dr. SANJAY SINGH	FD FDP DAVIET
J Jenny	SM SHUBHAM MUNDI...
P Priya Sharma	VS Vishal Singh
GD Ghanishyam Das	SR SANJAY RUKHAN...
DP Dr. Abhinav Singh	+35

Annual Report-2021-22

The Department of Mechanical Engineering of the institute organised one week AICTE and ISTE sponsored Induction/ Refresher program on the topic “**Advances in Material Processed and Characterization**”. This program was organised from January 05-11, 2022. The resource persons for this program were from the leading institutes of the country including IITs, IISc, and NITTTR etc. A total number of 51 participants from the various institutes of the country attended this one week Induction/Refresher program.