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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.



DAVIET
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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 लेखुुं 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 : डेविपट 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 वरिंदर कुमार शर्मा, प्रिंसिपल डॉ. मनोज कुमार, राष्ट्रीय तकनीकी संस्थान के निदेशक डॉ. एल्के अवस्थी ने ज्योति प्रज्वलित करके किया।



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

निदेशक डॉ. एल्के अवस्थी ने आयोजन में हिंदी भाषा का प्रयोग करने की बात कही। उन्होंने कहा कि हिंदी भाषा के माध्यम से अपने विचारों का 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 : डेविपट 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 निचले स्तर में 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,



रिटवर्ड के संघीयत कसे असिस्टेंट डायरेक्टर शिव कुमार चौधरी।

ताकि वह आसानी से उस विषय को समझ सके। हिंदी शब्दों का प्रयोग कर विद्यार्थी को समझाना चाहिए ताकि विद्यार्थी को जल्द समझ आ सके। अंग्रेजी भाषा इतनी लोगों की मानी जाती है। प्रिंसिपल डॉ. मनोज कुमार ने कहा कि देश में तकनीकी अपग्रेड हो रही है। वकता डॉ. कंचन सिंह, प्रो. विजय कुमार, प्रो. विक्रमादित्य दावे, डॉ. प्रदीप गोयल ने क्षेत्रीय भाषा में अध्ययन प्रणाली के बारे में बताया।

Punjab Kesri 14-09-2017

डेविपट में वैज्ञानिक तथा तकनीकी शब्दावली विषय पर सैमीनार आयोजित

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

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। बी.आर. अम्बेदकर एन.आई.टी.

के निदेशक प्रो. ललित अवस्थी ने सभी विषयों को हिन्दी में पढ़ाने की आवश्यकता पर बल दिया। उन्होंने कहा कि हिन्दी को बढ़ावा देने से एक अलग भारतीय पहचान विकसित होगी। डेविपट के प्रिंसिपल डा. मनोज

कुमार ने कहा कि आधुनिक समय साइंस तथा टेक्नोलॉजी द्वारा संचालित है। डेविपट 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। एलाइड 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 चुनौतियाँ 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

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

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



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

डेविपट 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 वरिंदर कुमार शर्मा और मनआरडी के डायरेक्टर डॉ. बीआर अम्बेडकर चौक गेट पर थे।

प्रो. ललित अवस्थी ने बताया - चीन, जापान और कोरिया में लोग साइंस और टेक्नोलॉजी अपनी भाषा में पढ़ते हैं। डेविपट 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 वरिंदर कुमार शर्मा और मनआरडी के डायरेक्टर डॉ. बीआर अम्बेडकर चौक गेट पर थे।

डेविपट 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 वरिंदर कुमार शर्मा और मनआरडी के डायरेक्टर डॉ. बीआर अम्बेडकर चौक गेट पर थे।

Punjab Kesri 15-09-2017

डेविपट में वैज्ञानिक तथा तकनीकी शब्दावली विषय पर सैमीनार सम्पन्न

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

है। देश को सफलता की ओर आसरा करने के लिए उन्होंने साइंटिफिक तथा तकनीकल एडुकेशन के मत्व पर प्रकाश डाला। एलाइड साइंस की विभागाध्यक्ष डा. कंचन एल. सिंह ने उपस्थित

गण्यमान्यों तथा विद्यार्थियों का धन्यवाद किया। उन्होंने मार्गदर्शन तथा सहयोग का आभार व्यक्त किया। इस अवसर पर डा. सीनो नवल, गौरव धूरिया, प्रवीण कक्कड़ आदि शामिल हुए।



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 |
|---------------|--------------------------------|---|
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| 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 |
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| 1 | Dr. Neeru Malhotra, Asso Professor | ECE | DAV Inst. of Engg. and Tech., Jalandhar |
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| 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- |
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| 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- |

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| 31 | Dr Vinay Chopra, Asst Professor | CSE | -DO- |
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| 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 |

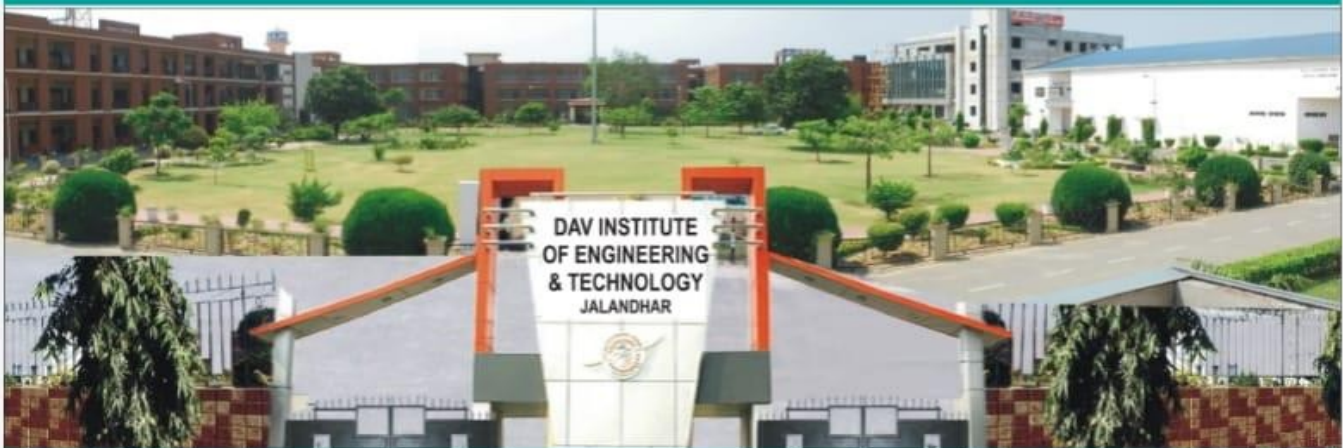
FACULTY DEVELOPMENT PROGRAMME
On
Quality Teaching Strategies for
Outcome Based Education
1st to 12th January, 2018



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, NITTR, 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, NITTR 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 | Session-II 10:00-11:30 | 11:30- 12:00 | Session-III 12:00-1:30 | 1:30-2:30 | Session-IV 2:30-4:00 |
|---|--|--|------------------|--|------------------------|--|
| 1 st Jan. 2018 (Monday) | Registration | Dr. Manoj Kumar Dr. Sonia Chawla | Tea Break | Dr. AkshayGirdhar (Vision, Mission, PEOs) | Lunch Break | Dr. AkshayGirdhar Program Curriculum and Teaching Learning Processes |
| 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. Manoj Kumar (Engaging Students in Active and Inquiry Based Learning) |
| 3 rd Jan. 2018 (Wednesday) | Report of the Penultimate Day & Deliberations Session | Dr. Sonia Chawla (Relevance of Institutional Rankings-NIRF) | | Dr. S.C.Sahasrabudhe Course Outcomes and Program Outcomes, Evaluation Methodology | | Dr. S.C.Sahasrabudhe Course Outcomes and Program Outcomes, Evaluation Methodology |
| 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. Davinder Singh (Role of Self Esteem in Quality teaching) |
| 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. A.K. Vashist Teaching Pedagogies (Teaching Pedagogies and classroom management) |
| 6 th Jan. 2018 | Saturday | | | | | |
| 7 th Jan. 2018 | SUNDAY | | | | | |
| 8 th Jan. 2018 (Monday) | Report of the Penultimate Day & Deliberations Session | Dr. B.S. Pabla (Committee Visit for NBA Accreditation) | Tea Break | Dr. B.S. Pabla (Committee Visit for NBA Accreditation) | Lunch Break | Dr. Anish Dua (Excellence through OBI) |
| 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 | | | | | |
| 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 |

| 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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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 Sooch, 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. |
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| 1 | Tanuj Mishra | 001 | AP, EE | LPU, Phag. | Tanuj.12948@lpu.co.in | 9988291515 |
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| | | | | | | |
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| | | | | | | |
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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 |
| 49 | Sarbjot Kaur | 049 | AP,CA | DAVIET | sar.daviet@gmail.com | 8283886789 |
| 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 |
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| 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

| S.no. | Name of Participants | Session | Attendance | | | | |
|-------|----------------------|-------------|------------------|------------------|------------------|--------------------|------------------|
| | | | 25-11-2019 (Mon) | 26-11-2019 (Tue) | 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> |

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|----|----------------------|-------------|------------------|------------------|------------------|------------------|------------------|
| 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> |

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|----|---------------------|-------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 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 |

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|----|---------------------------|-------------|------------|--------|--------|--------|--------|
| 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 | Az | Az | Az | Az | Az |
| | | Session-II | Az | Az | Az | Az | Az |
| | | Session-III | Az | Az | Az | Az | Az |

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|----|----------------------------|-------------|---------------|---------------|---------------|---------------|---------------|
| 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 → |

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|----|--------------------------|-------------|--------------|--------------|--------------|--------------|----------------------------|
| 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 | <u>Akhil</u> | <u>Akhil</u> | <u>Akhil</u> | <u>Akhil</u> | <u>Akhil</u> |
| | | Session-II | <u>Akhil</u> | <u>Akhil</u> | <u>Akhil</u> | <u>Akhil</u> | <u>Akhil</u> |
| | | Session-III | <u>Akhil</u> | <u>Akhil</u> | <u>Akhil</u> | <u>Akhil</u> | <u>Akhil</u> |
| 46 | Bhanu Partap Thakur | Session-I | <u>Bhanu</u> | <u>Bhanu</u> | <u>Bhanu</u> | <u>Bhanu</u> | <u>Bhanu</u> |
| | | Session-II | <u>Bhanu</u> | <u>Bhanu</u> | <u>Bhanu</u> | <u>Bhanu</u> | <u>Bhanu</u> |
| | | Session-III | <u>Bhanu</u> | <u>Bhanu</u> | <u>Bhanu</u> | <u>Bhanu</u> | <u>Bhanu</u> |
| 47 | Dr. Rajni Sharma | Session-I | <u>Rajni</u> | <u>Rajni</u> | <u>Rajni</u> | <u>Rajni</u> | <u>Rajni</u> |
| | | Session-II | <u>Rajni</u> | <u>Rajni</u> | <u>Rajni</u> | <u>Rajni</u> | <u>Rajni</u> |
| | | Session-III | <u>Rajni</u> | <u>Rajni</u> | <u>Rajni</u> | <u>Rajni</u> | <u>Rajni</u> |
| 48 | Ms. Neeru Sharma | Session-I | <u>Neeru</u> | <u>Neeru</u> | <u>Neeru</u> | <u>Neeru</u> | <u>Neeru</u> |
| | | Session-II | <u>Neeru</u> | <u>Neeru</u> | <u>Neeru</u> | <u>Neeru</u> | <u>Neeru</u> |
| | | Session-III | <u>Neeru</u> | <u>Neeru</u> | <u>Neeru</u> | <u>Neeru</u> | <u>Neeru</u> |

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|----|-----------------------------|-------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 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 |

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|----|----------------------------|-------------|--|--|--|--|--|
| 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 | | | | | |

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|----|---------------------|-------------|--------------|--------------|--------------|--------------|--------------|
| 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

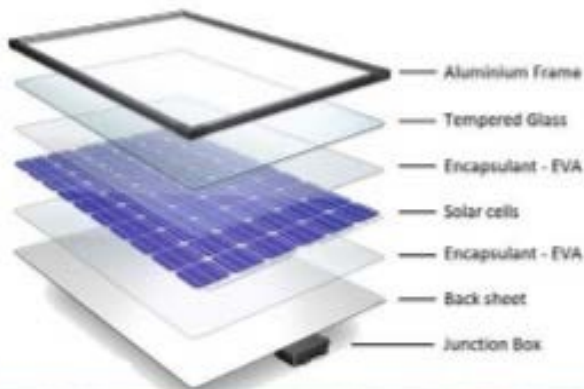
"Solar Cells and its installation Process & Techniques"

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”

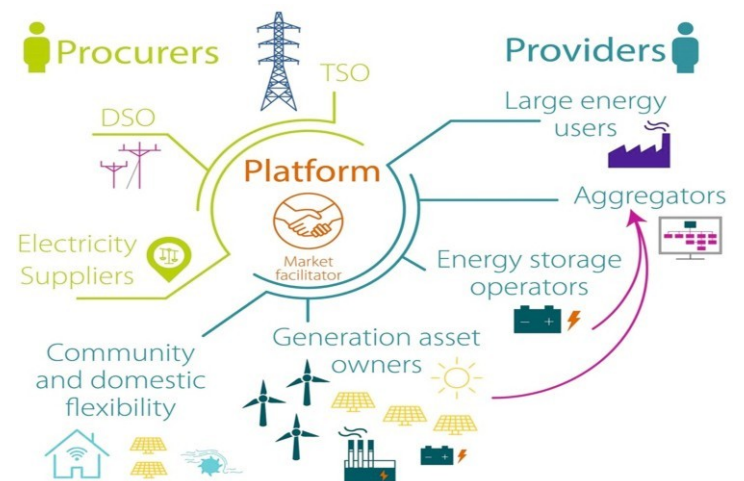


DAV Institute of Engineering & Technology (DAVIET) has organized AICTE & IKG Punjab Technical University sponsored Faculty Development Programme (FDP) on Recent Trends in Renewable Energy Sources & Technologies from 25th November to 29th November, 2019.

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

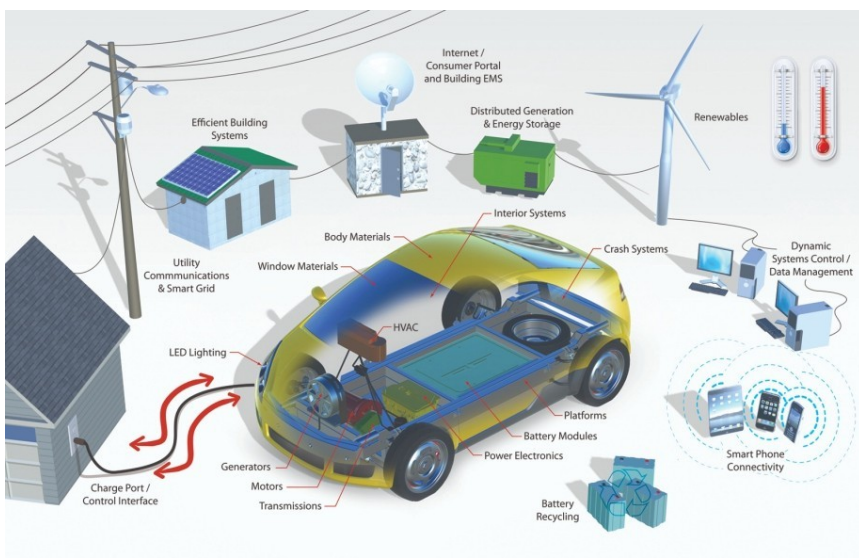
Dr. Mukesh Singh (Associate Professor, Thapar University) has delivered keynote address on "Electrical Vehicles and its role in Smart Grids" In this session participants were learned the concept of smart grid along with the future deployment of the EVs puts forward various challenges in terms of electric 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.

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.



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.



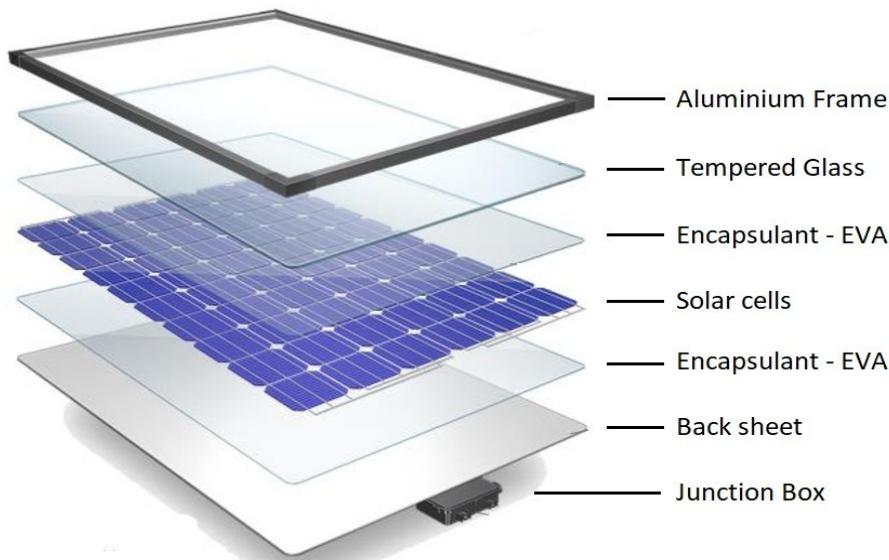
"Solar Cells and its installation Process & Techniques"

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

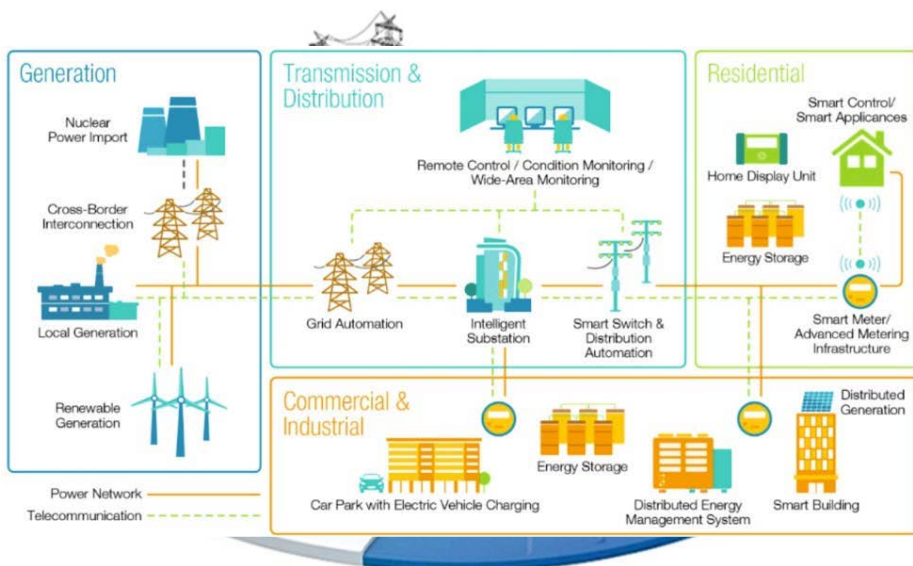
(HoD, Dept. of Electrical Engineering)

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



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 | 1983 | 15 | Non-Boeing |
| Gripen | 1985 | 20 | Non-Boeing |
| A310 | 1985 | 20 | Boeing |
| A320 | 1988 | 20 | Boeing |
| A320XLR | 1988 | 20 | Boeing |
| A330-200 | 1992 | 20 | Boeing |
| 777 | 1993 | 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 | 40 | Non-Boeing |
| B-2 | 2005 | 40 | Non-Boeing |
| A340 | 2005 | 40 | Boeing |
| LCA | 2005 | 45 | Non-Boeing |
| 787 | 2005 | 50 | Boeing |
| 787 | 2005 | 50 | Non-Boeing |
| OH-66 | 2005 | 60 | Non-Boeing |
| OV-22 | 2005 | 45 | Non-Boeing |
| F-35 | 2005 | 45 | Non-Boeing |

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

23.12.2020

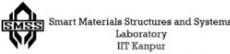
+23
DK
SD
SS
DS

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”



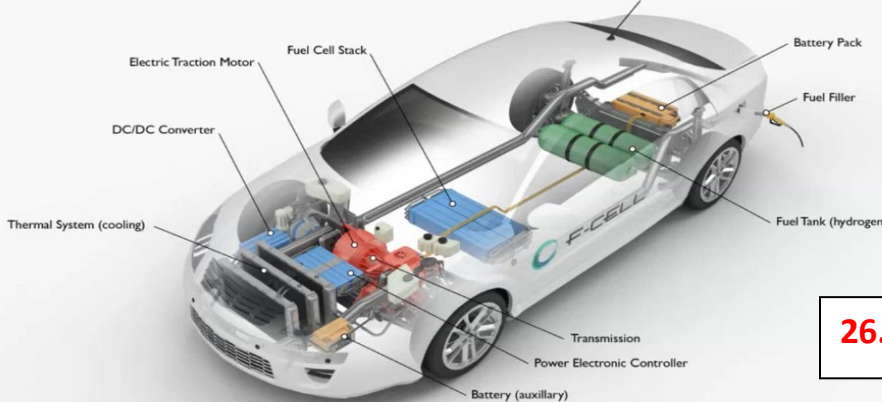
IIT Ropar

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.

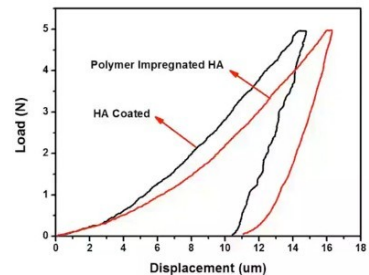


Fig: Representative of load vs displacement

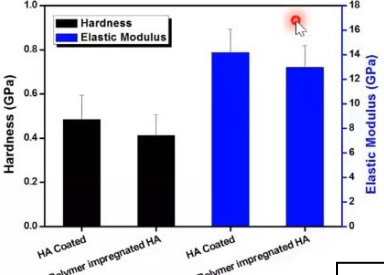



Fig: Comparison of hardness and elastic modulus HA coating before and after impregnation


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




Jyoti Singh




nerrajkumar



Dr. Vivek Aggarwal (Guest)



SU



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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) |
|---|--|

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.

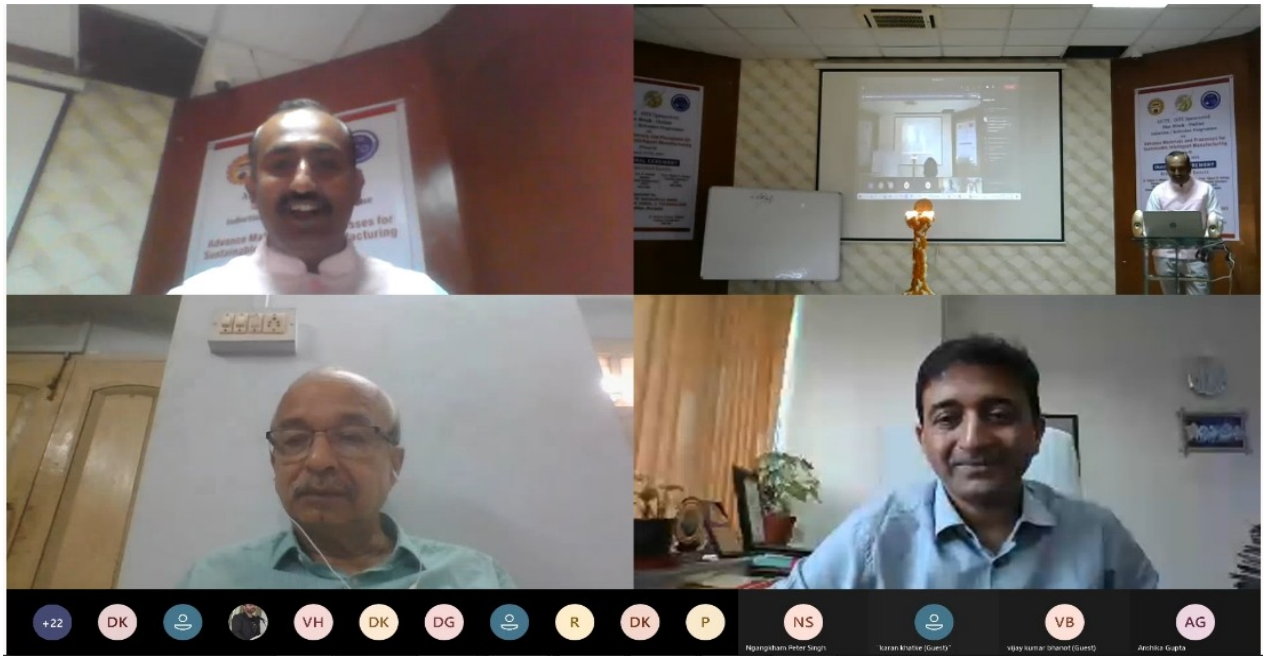
LIST OF PARTICIPANTS

| 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 |
|  Dr. Sagar Mitra Professor, Department of Energy Sc. and Engg. IIT Bombay |  Dr. R. Ganesh Narayanan Professor, Department of Mechanical Engg. IIT Guwahati |  Dr. K. S. Sangwan Professor, Department of Mechanical Engg. BITS, Pilani |  Dr. Sanjairaj Vijayavenkataraman Professor, Department of Mechanical Engg. Deptt. NYU, Abu Dhabi | |

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

Patron
Dr. Manoj Kumar
Principal

Program Coordinator
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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.

LIST OF PARTICIPANTS

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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 interface showing a grid of participant icons and a video feed at the bottom.

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.

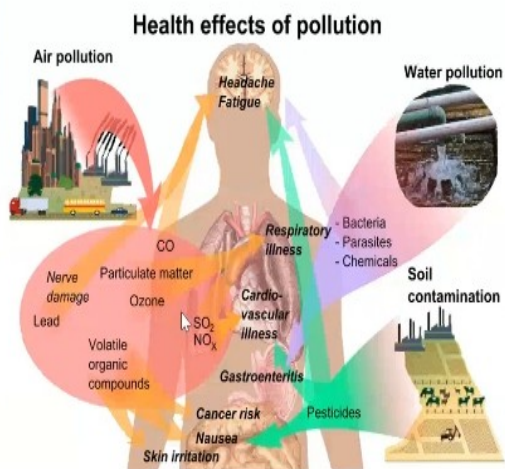
CRICOS Provider Code: 001138

June 09, 2021

Magnesium for Happy/Healthy Humans



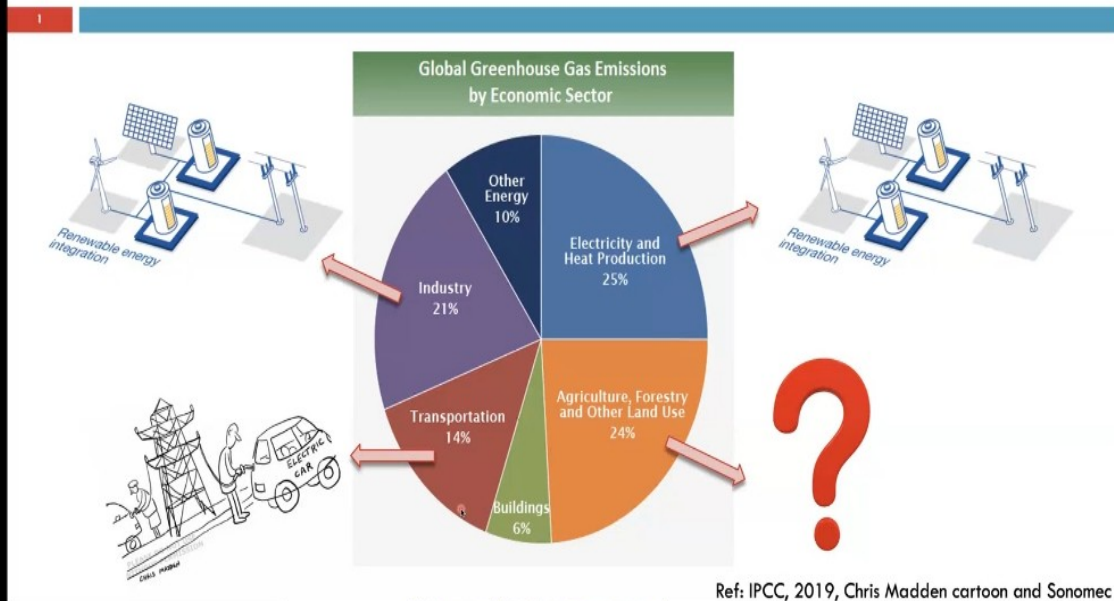
Improving the health of humans and living organisms.



A navigation bar containing icons for a group (+44), participants (SK, DM, GM, KM, AP, CJ, RV, सच, SS), and a video feed of three people. The name 'A. INWIN PASAO' is visible under the AP icon.

June 12, 2021

Global emissions sector wise



Ref: IPCC, 2019, Chris Madden cartoon and Sonomec

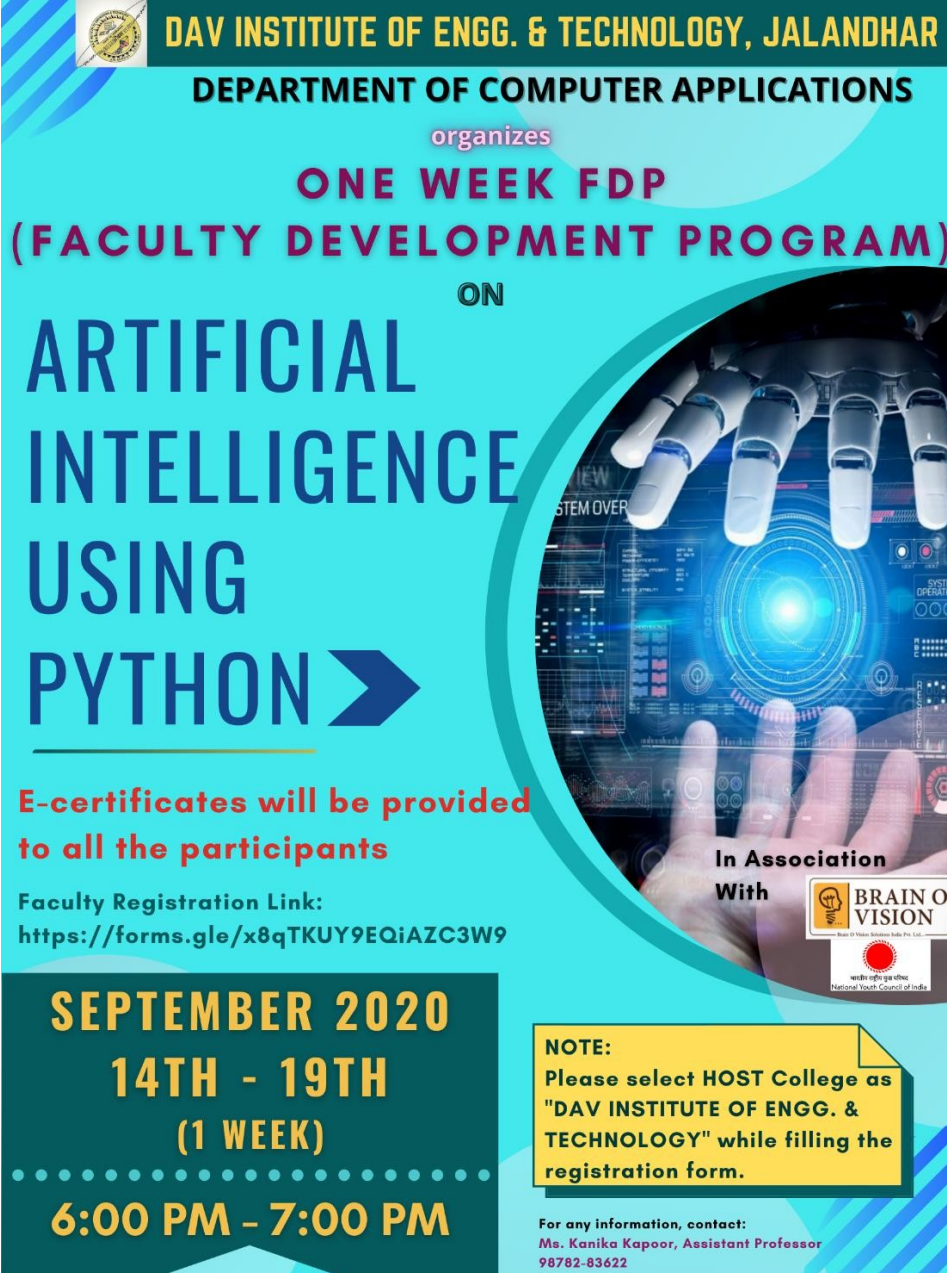
Participant icons: +27, SK, DM, SG, V, SP, DP, VM, DK, KK. Video thumbnails for Shalekh Kumar Purohit (Guest), Dr. Hsin T Philip, Vibhor Mishra, and Dr. Suresh Kumar (Guest). Name: k.kamesh

**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 in bold, sans-serif fonts. A large circular image on the right shows a robotic hand interacting with a futuristic digital interface. A yellow note box is positioned at the bottom right. The bottom section has a dark teal background with white and yellow text.

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

In Association With 


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

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).

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

In Association With **BRAIN O VISION**

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

For any information, contact:
Ms. Kamla Kapoor, Assistant Professor
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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.

GANESH NAG DODDI
ANDHRA PRADESH STATE PRESIDENT
NATIONAL YOUTH COUNCIL OF INDIA

DATCHANA MOORTHY
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REPORT

FDP on Artificial Intelligence using Python

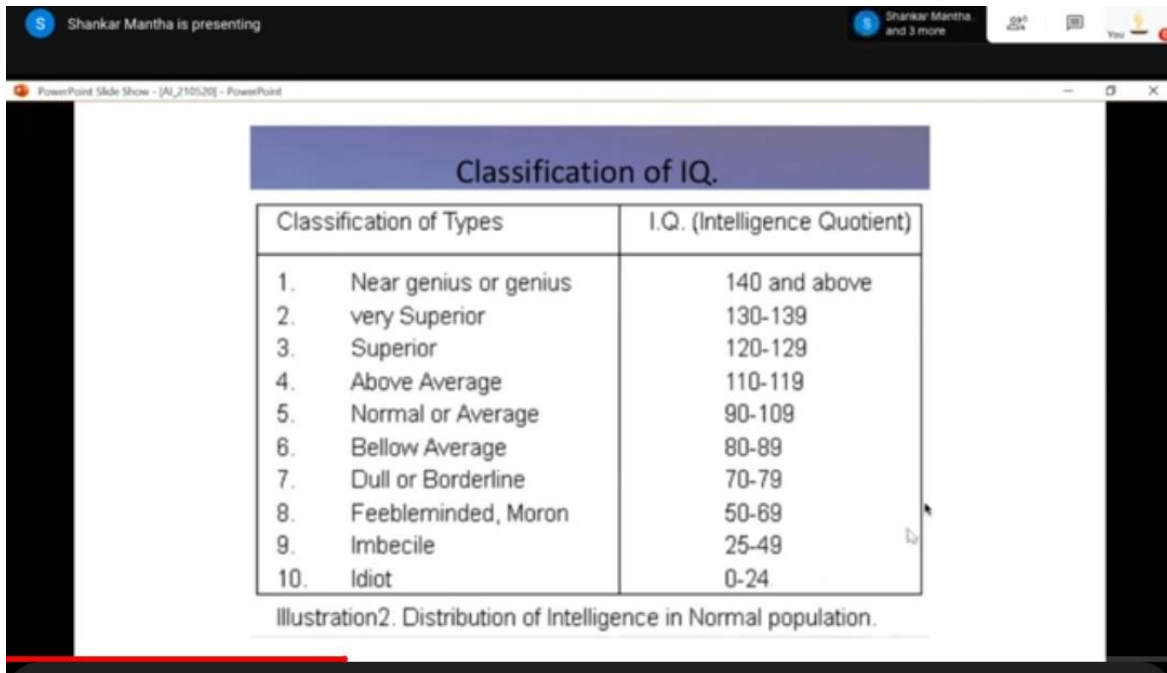
World's largest 1-week Hands on Faculty Development Programme on Artificial Intelligence using Python had been organized by Dept. of Computer Applications in association with BrainOvision, Hyderabad starting from 14th Sept- 19th Sept 2020. It was conducted on a virtual platform through Zoom & Youtube. 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

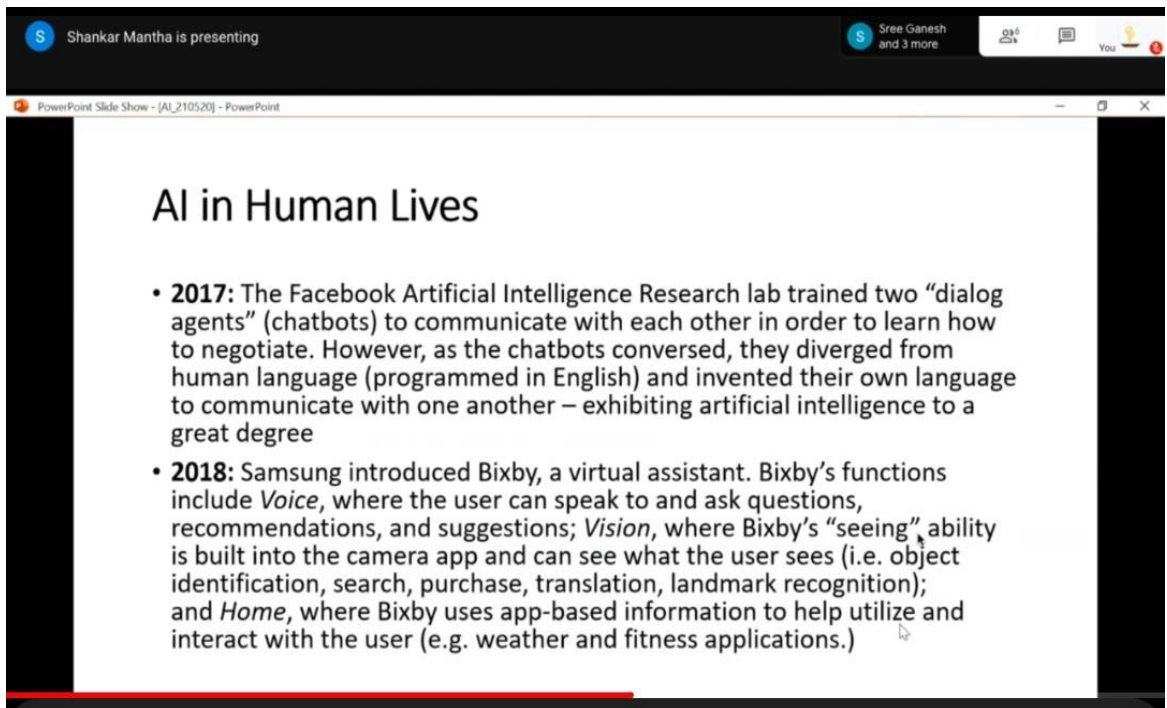
Shankar Mantha and 3 more

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):

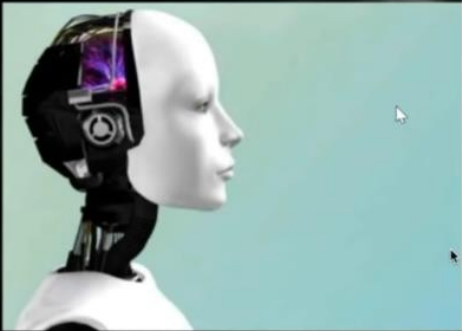
Shankar Mantha is presenting

Shankar Mantha and 3 more

PowerPoint Slide Show - [AI_210520] - PowerPoint

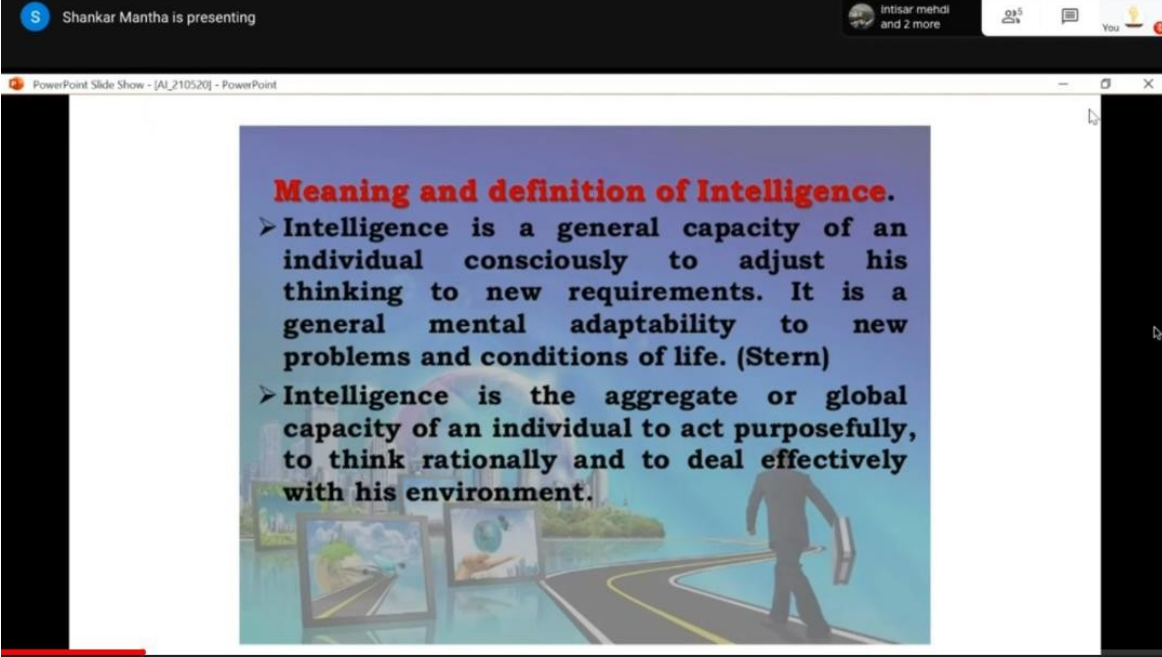
What is Artificial Intelligence

"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

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 below a horizontal line. On the left side of the line is a computer icon labeled 'A' with a female symbol above it. On the right side is a human icon labeled 'B' with a female symbol above it. A speech bubble from C contains a female symbol, a male symbol, and a question mark, indicating the questioner is asking to identify the gender of the machine and the human.

Shankar Mantha is presenting

Shankar Mantha and 3 more

PowerPoint Slide Show - [AI_210520] - PowerPoint

Turing Test

Imitation Game Test!!!!

❖ The Turing test is a test of a machine's ability to demonstrate intelligence

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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REPORT

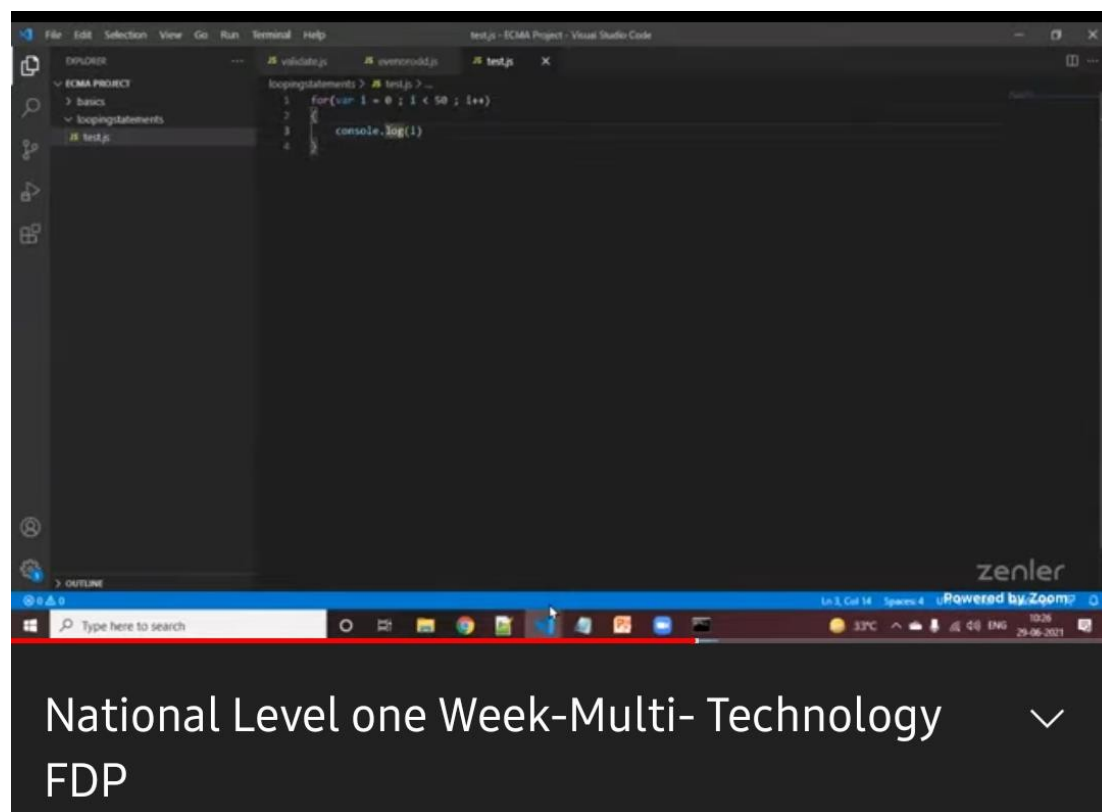
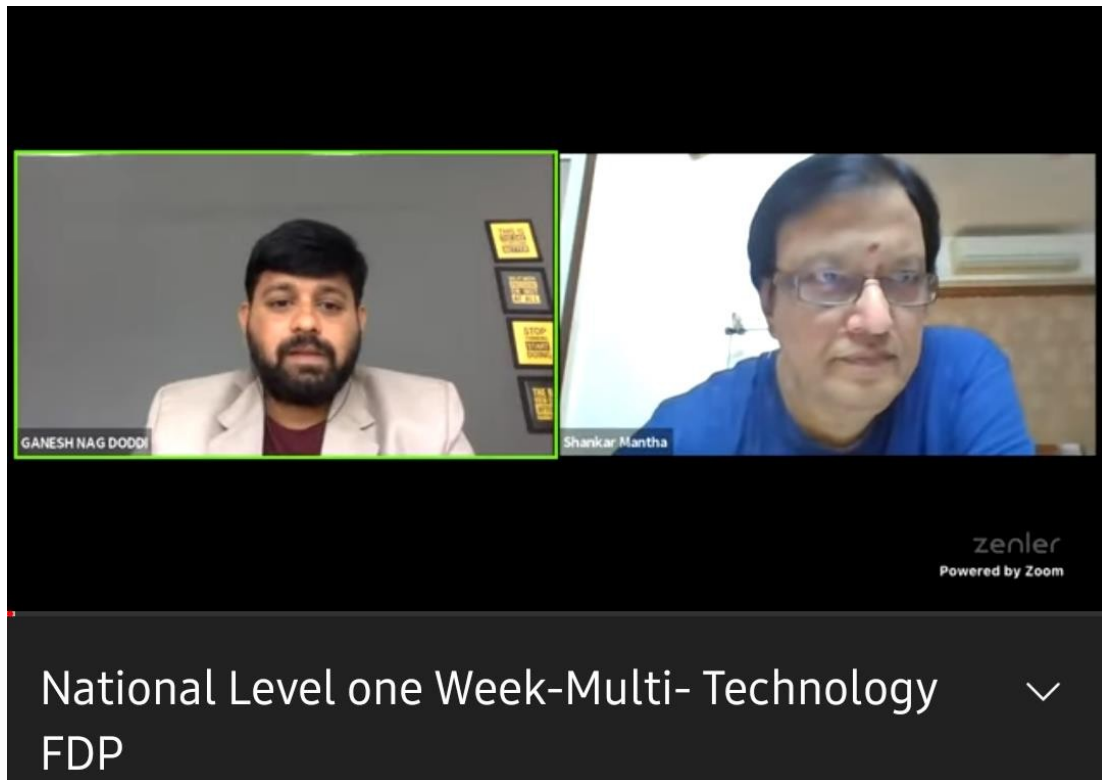
National Level One-Week FDP on MULTI-TECHNOLOGY

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

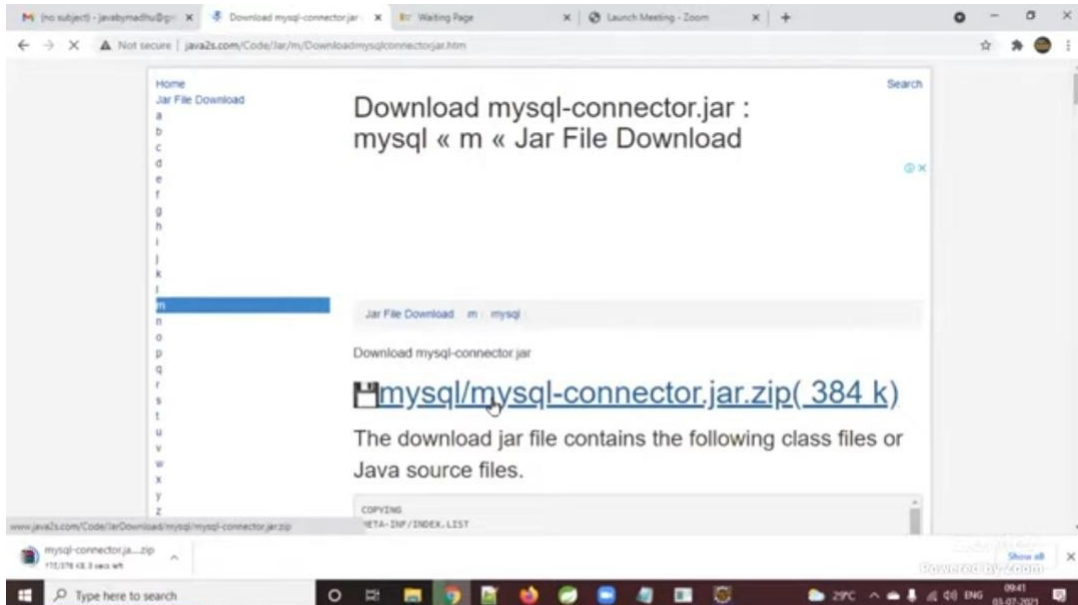
National Level One-Week FDP on MULTI-TECHNOLOGY

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



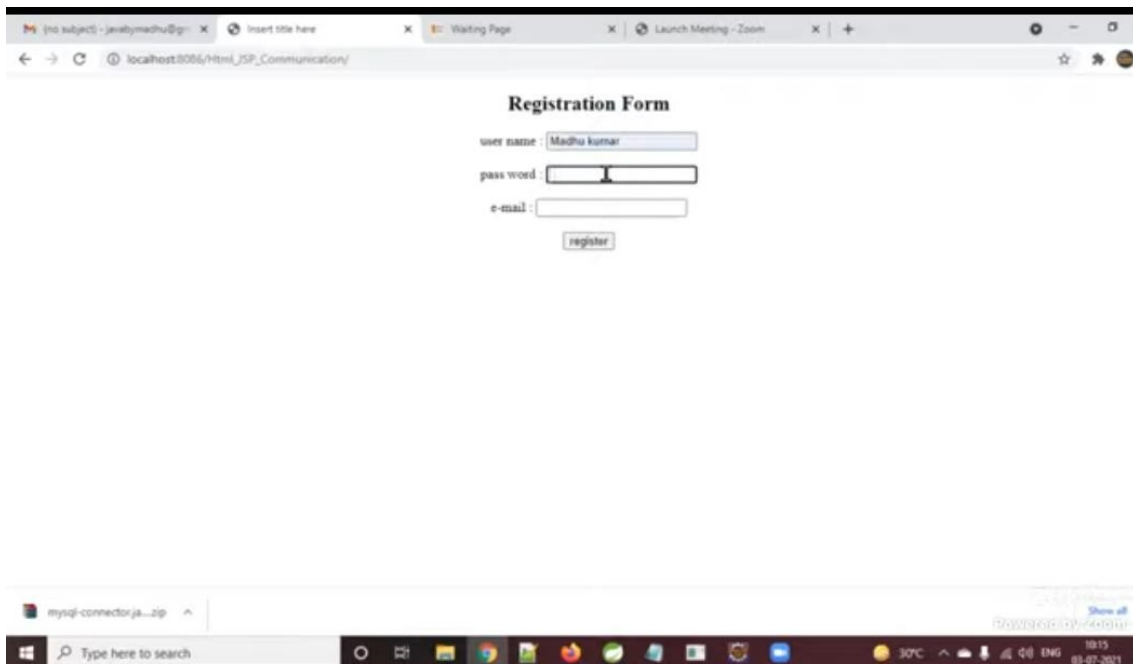
National Level One-Week FDP on MULTI-TECHNOLOGY

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 search results show "Download mysql-connector.jar" and a link to "mysql/mysql-connector.jar.zip(384 k)". A message below the link states: "The download jar file contains the following class files or Java source files." The Windows taskbar at the bottom shows the search bar with "Type here to search" and the system tray with the date "03-07-2021".

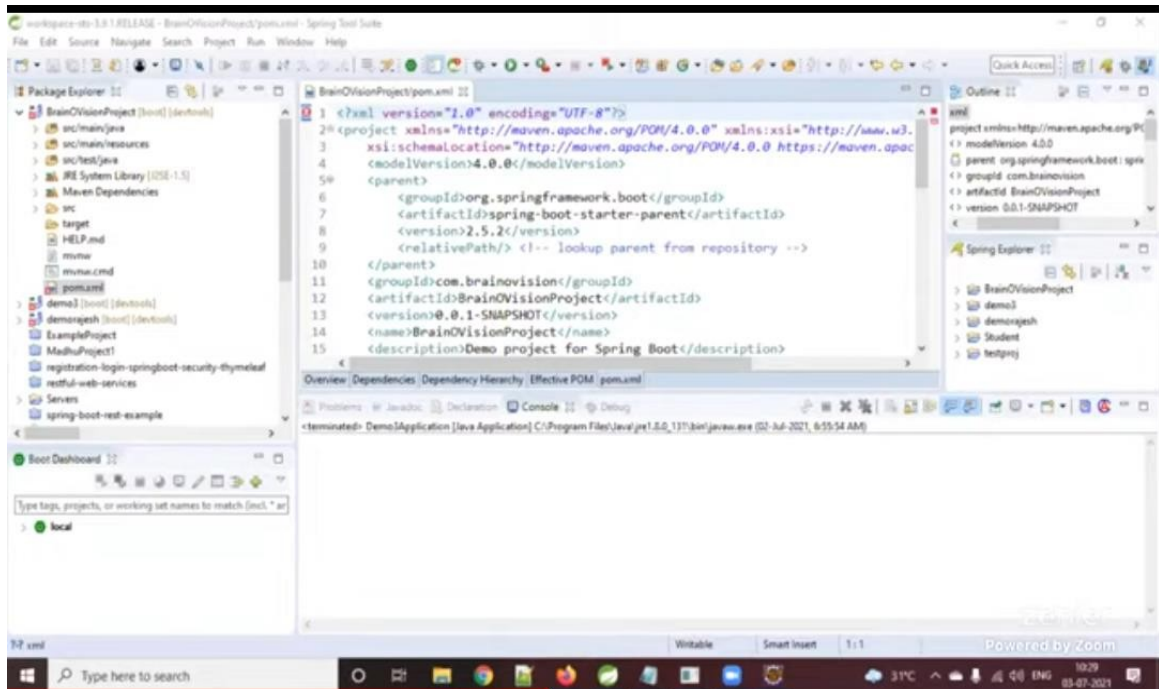
National Level one Week-Multi- Technology
FDP



The screenshot shows a web browser window with the address bar displaying "localhost:8086/html_JSP_Communicatory/". The page content includes a heading "Registration Form" and three input fields: "user name : Madhu kumar", "pass word :", and "e-mail :". Below the input fields is a "register" button. The Windows taskbar at the bottom shows the search bar with "Type here to search" and the system tray with the date "03-07-2021".

National Level one Week-Multi- Technology
FDP

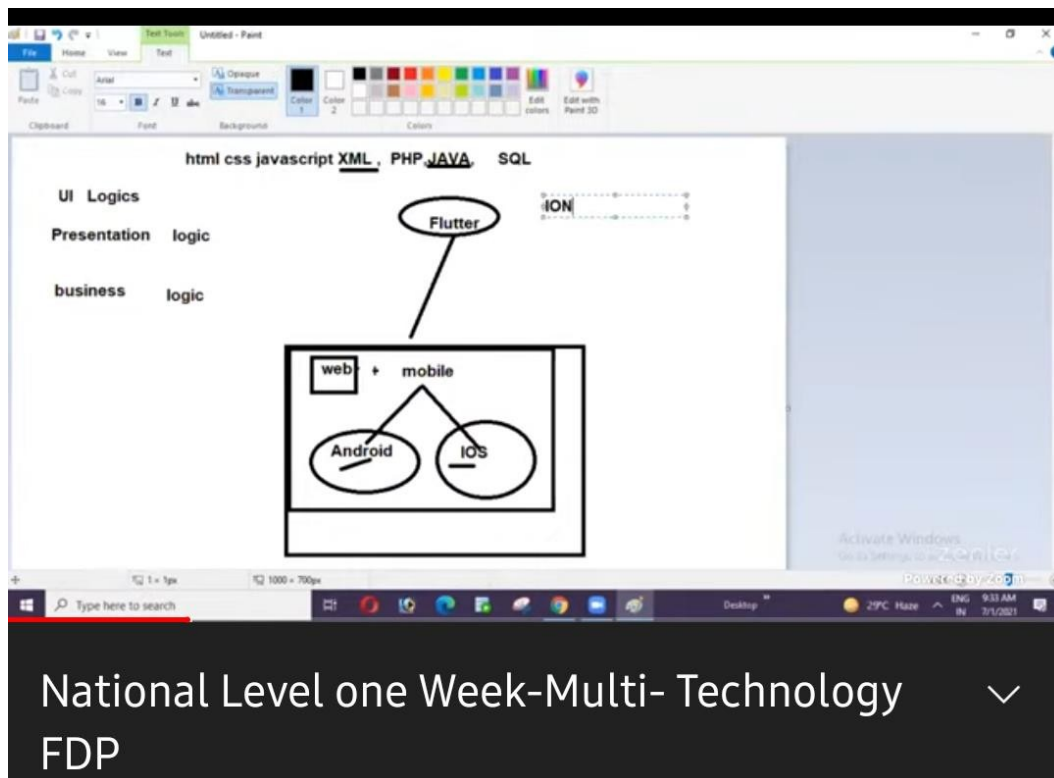
National Level One-Week FDP on MULTI-TECHNOLOGY



National Level one Week-Multi- Technology
FDP

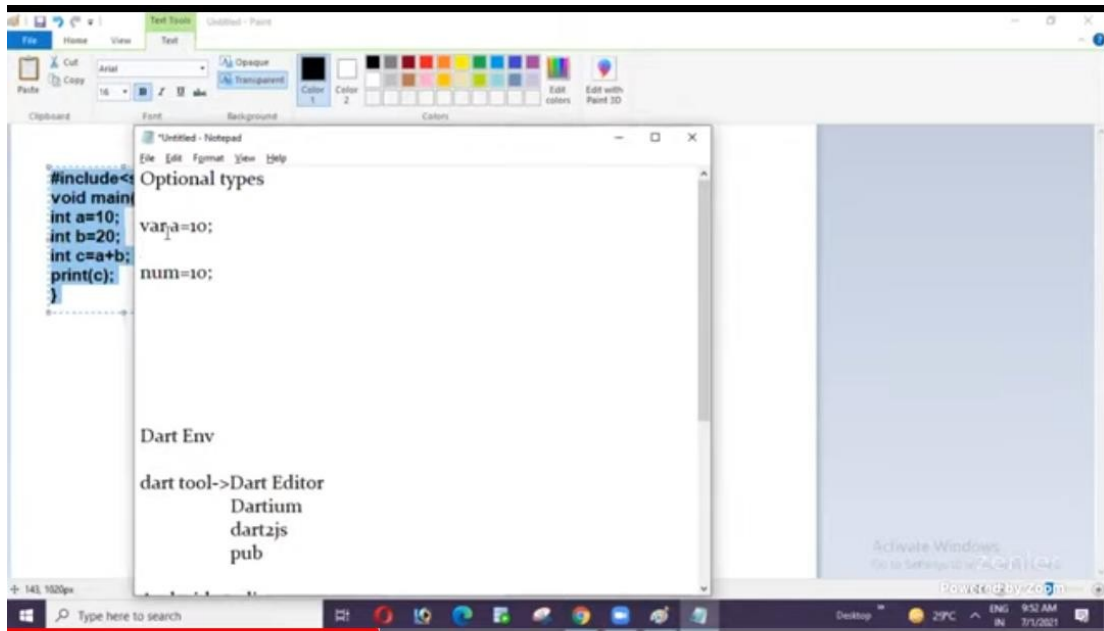
National Level One-Week FDP on MULTI-TECHNOLOGY

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



National Level one Week-Multi- Technology
FDP

National Level One-Week FDP on MULTI-TECHNOLOGY



The screenshot shows a Windows desktop environment. In the foreground, a Notepad window titled "Untitled - Notepad" contains the following Dart code:

```
#include<
void main
int a=10;
int b=20;
int c=a+b;
print(c);
}
```

Below the code, the text "Optional types" is written, followed by:

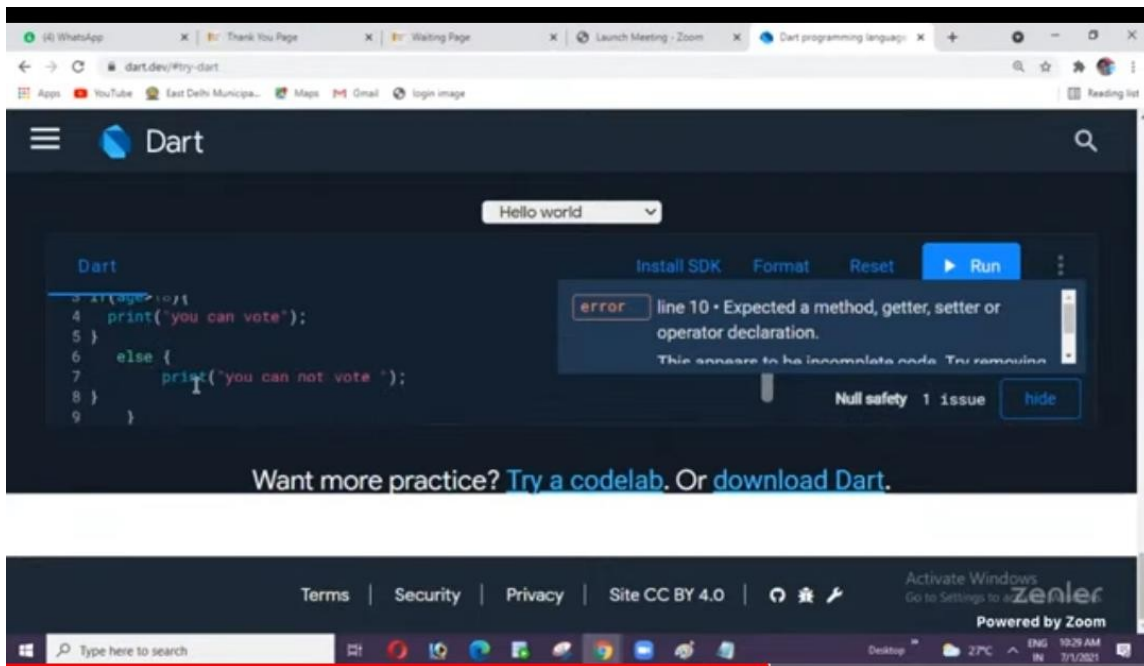
```
var a=10;
num=10;
```

Further down, the text "Dart Env" is displayed, followed by a list of tools:

```
dart tool->Dart Editor
Dartium
dart2js
pub
```

In the background, a Paint application window is open, showing a blank canvas and various drawing tools. The Windows taskbar at the bottom shows the search bar, task view button, and several application icons. The system tray on the right indicates the date and time as 9:52 AM on 7/1/2021.

National Level one Week-Multi- Technology
FDP



The screenshot shows a web browser window displaying the Dart programming language website. The URL is `dart.dev/#try-dart`. The page features a dark theme and a code editor with the following Dart code:

```
1 print("Hello world");
2
3
4 print("you can vote");
5
6 else {
7   print("you can not vote ");
8 }
9 }
```

An error message is displayed in a blue box, stating: "error line 10 • Expected a method, getter, setter or operator declaration. This appears to be incomplete code. Try removing...". Below the error message, it says "Null safety 1 issue" and a "hide" button.

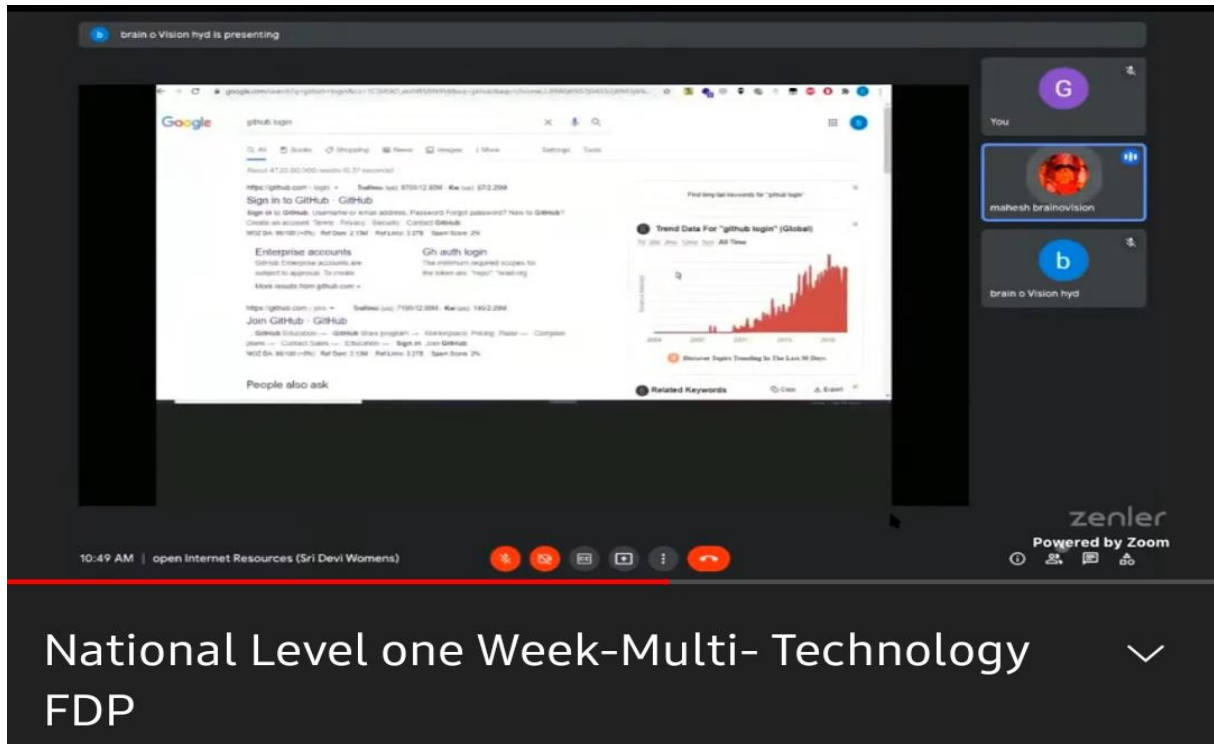
At the bottom of the page, there is a link: "Want more practice? Try a [codelab](#). Or [download Dart](#)."

The browser's address bar shows several tabs, including "WhatsApp", "Thank You Page", "Waiting Page", "Launch Meeting - Zoom", and "Dart programming language". The Windows taskbar at the bottom shows the search bar, task view button, and several application icons. The system tray on the right indicates the date and time as 10:29 AM on 7/1/2021.

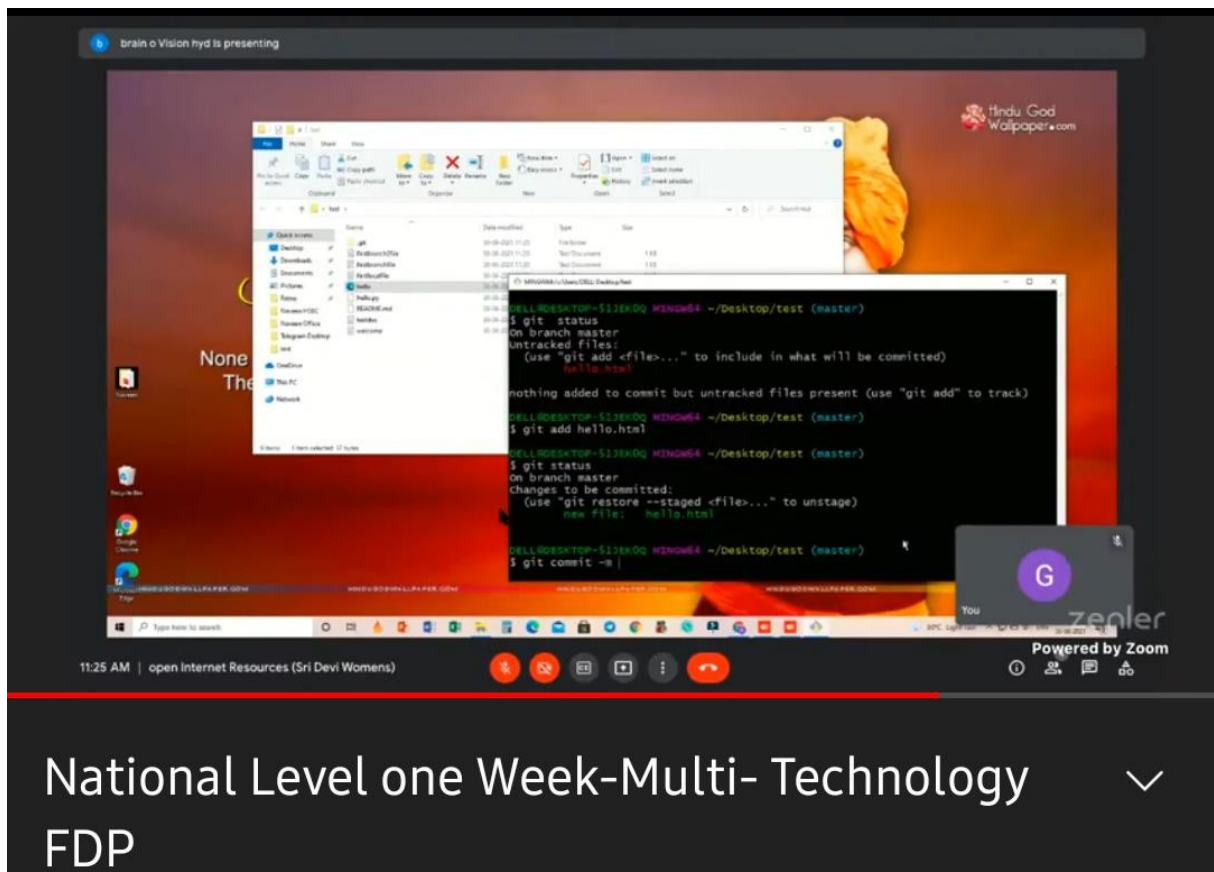
National Level one Week-Multi- Technology
FDP

National Level One-Week FDP on MULTI-TECHNOLOGY

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



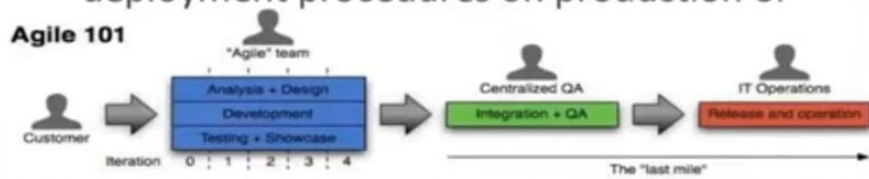
National Level one Week-Multi- Technology
FDP



National Level one Week-Multi- Technology
FDP

Continuous Delivery

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



Continuous Delivery



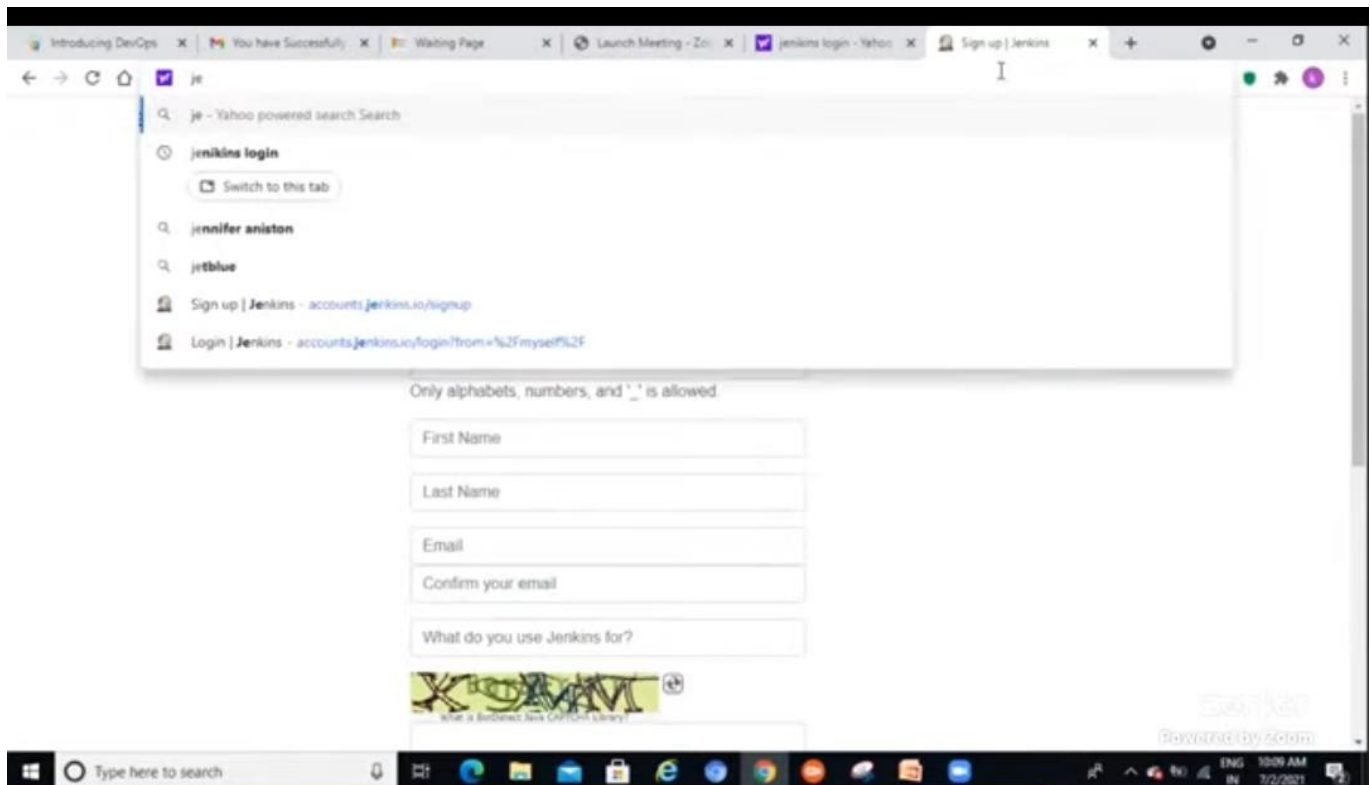
Acceptance test driven development process
Tight collaboration between business and delivery teams
Cross-functional teams include QA and operations
Automated build, testing, db migration and deployment
Incremental development on mainline with continuous integr
Software always production ready
Releases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

zenler
powered by Zoom

National Level one Week-Multi- Technology
FDP



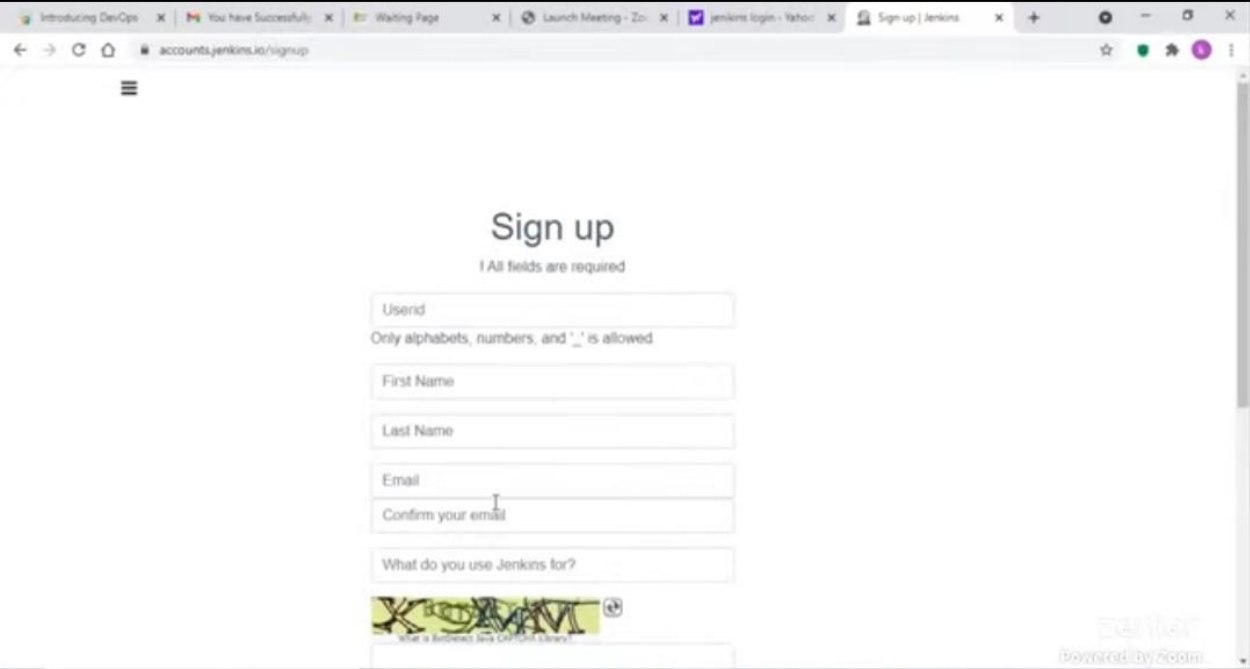
National Level One-Week FDP on MULTI-TECHNOLOGY



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: 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

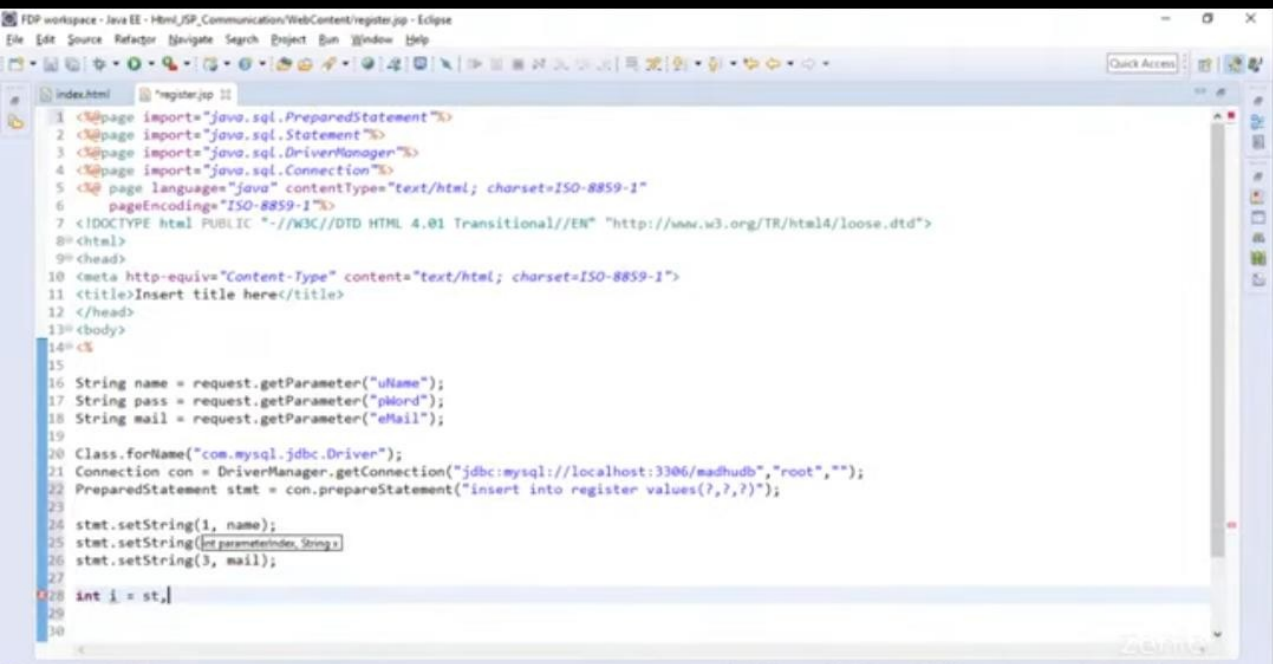
```
7 import java.sql.Statement;
8
9 public class CreateTable
10 {
11     public static void main(String[] args) throws ClassNotFoundException, SQLException
12     {
13         // Load the Driver
14         Class.forName("com.mysql.jdbc.Driver");
15         // create Connection
16         Connection 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 }
```

Console Output:
<terminated> CreateTable [Java Application] C:\Program Files\Java\jdk1.8.0_131\bin\java.exe (03-Jul-2021, 9:48:53 AM)
112 siva
retrieved successfully

National Level one Week-Multi- Technology
FDP

National Level One-Week FDP on MULTI-TECHNOLOGY

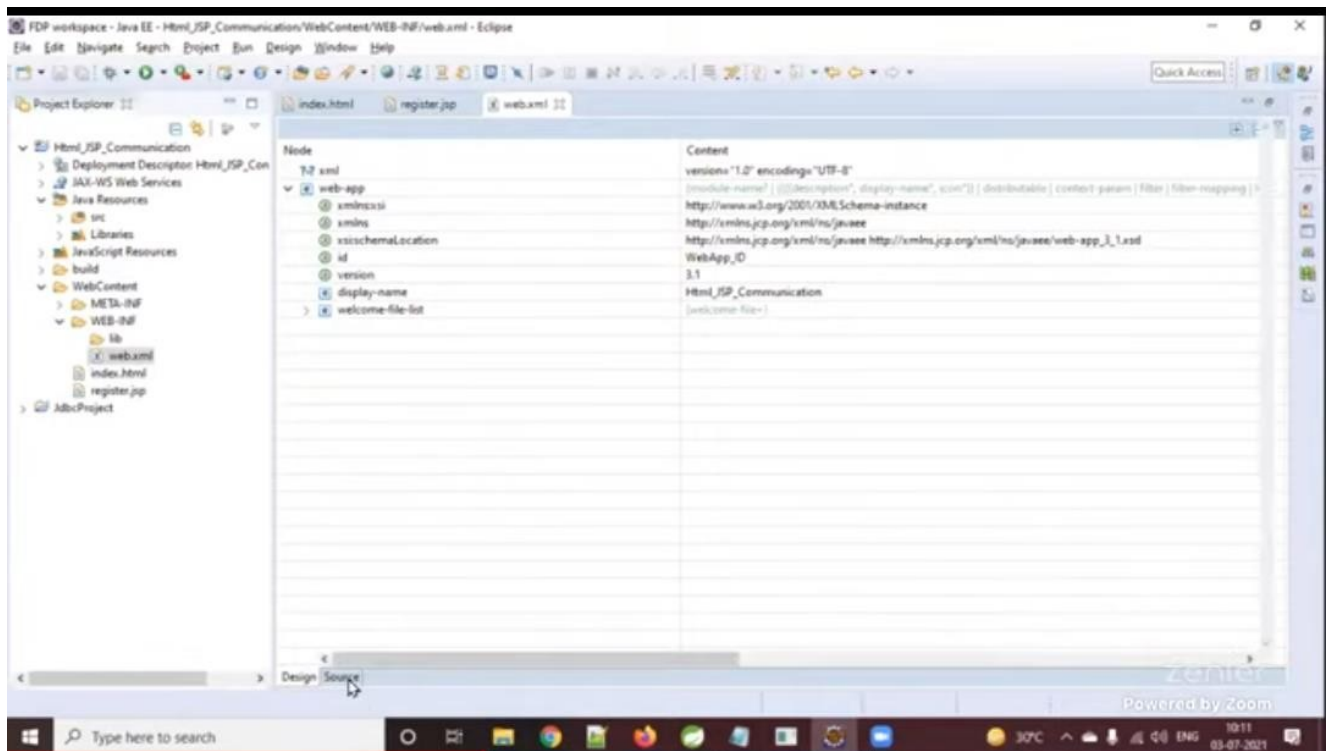
6. DAY 6- (3rd July 2021):



```
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@davietal.org, gkdhuria@gmail.com

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| 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 |

| | | |
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| 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 |

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| 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



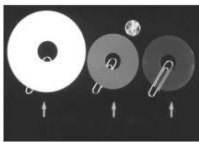
Dated 08.01.2022

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. Goparaj 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

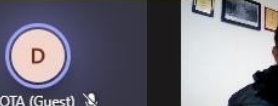
SK

+43


Sanjeev Ku...



D.S.SAHOTA (Guest)



D.V.



Dr. Rajeev Verma (Guest)

Dated 06.01.2022

FDP on “Advances in Materials Processing and Characterization”

01:45:30 Request control 52

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

Pinaki Bhattacharjee

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Pinaki Bhattacharjee

+41

D.S.SAHOT...

23:15 Request control

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> |

Dated 07.01.2022

Dheepa Srinivasan (Guest)

Participants

Type a name

Share invite

Dheepa Srinivasan (Guest) Meeting guest

Attendees (41) Mute all

- Aman Maini (Guest) Meeting guest
- Anil Kumar Reddy (Guest) Meeting guest
- Ankush.Kohli
- C P Suresh Kumar (Guest) Meeting guest
- D.S.SAHOTA (Guest) Meeting guest

Dr Ravinder Pal Singh (Guest)

FDP on “Advances in Materials Processing and Characterization”



Why Characterisation ...

- To know more....

Advanced ceramics
High-performance ceramics
Technical ceramics

OXIDES ✓
NON-OXIDES ✓

Dated 08.01.2022

Prof. AKS (Guest) ...

D.S.SAHOT... +45

FD

Prof. AKS (Guest) ... s/spray-drying-and-encapsulation/mini-spray-dryer-b-290
 Dr. Apurbba Kumar Sharma/IIT Roorkee
 IIT ROORKEE 6

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 Raju Ram | CK C. P. Sanku Kumar... |
| SK Sankhya Kumar (S...) | SK Sudha Kumar |
| DS Dr. SANJAY SINGH | FD FDP DAVIET |
| J Jenny | SM SUNIL MUNDH... |
| P Prayag 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.