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#ASHTAG

Applied Science and Humanities Department

VISION

The Department of Applied Science and Humanities is committed to dynamically integrate the components of Science, Humanities and Engineering to groom students to transform them as globally acknowledged professionals.

MISSION

The department is carrying a mission to create and disseminate the knowledge and techniques in intellectual areas of Engineering and other core areas of Applied Science and Humanities for betterment of Eco system.

To inculcate the importance of Applied Science and develop a natural flair for Engineering and Technology which in turn shall mold students into a competent professional.

To be recognized for practicing the best teaching-learning processes to create highly competent, resourceful, and self-motivated young Engineers for the benefit of the society.

IF YOU STUMBLE,
MAKE IT PART
OF THE
DANCE.

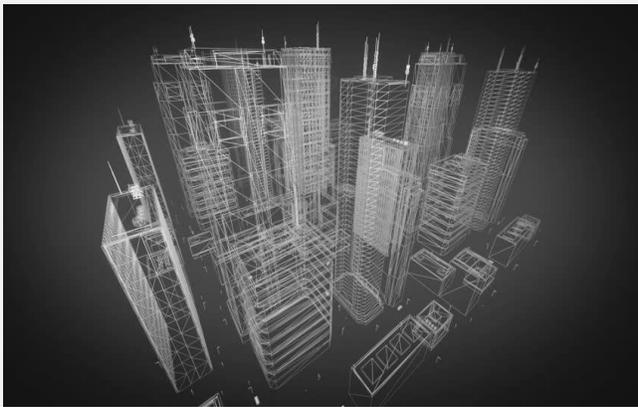
8 Trends in Architecture and Engineering for 2021

The trends that project owners will see in 2021 architecture and engineering (A/E) projects reflect many of the changes around us. Success will depend on how well you respond to changes in our environment, climate, and regulations, as well as changes in how and where we work.

This 2021 outlook will help you harness change and improve your projects in the year ahead.

1. Growing focus on sustainability and climate resilience

Protecting our natural environment, factoring sustainable principles into our built environment, and improving our nation's infrastructure to be resilient to climate change are top priorities for cities and states.



2. Proactive and creative capital improvement planning

Local economies are grappling with a significant reduction in business revenue, sales tax, gas tax and other revenue due to the pandemic. It's a challenging time but also one of opportunity and potential. It is important that you strategically plan and get critical projects ready in order to capitalize on new funding sources and/or re-funded existing programs.

3. Rising investment in bicycle and pedestrian infrastructure

Cleaner air, quieter streets, and more people biking and walking outdoors – this healthful silver lining during a challenging year is a trend that communities can capitalize on.

4. Technology brings better ways to visualize projects.

Visualization technologies such as 3D modeling, 3D digital renderings and 3D animation can help key stakeholders not only see how a project will look before it becomes a reality, but also experience it as if they were physically there.

5. Virtual public engagement is here to stay.

Project owners have found virtual public engagement to be as effective if not more so than in-person engagement events. More tools are available than at any time in history. Putting them to use in a way that boosts transparency, trust and the safety of your stakeholders can benefit your projects for years to come.

6. The need for creative, multi-family land developments

Home buyer behaviors are changing fast. More people of all ages are seeking to leave cities, yet still value the urban vibe and nearby amenities that cities provide. This strong market demand coupled with limited supply creates a timely opportunity for private developers and communities to capitalize provide creative housing choices.

7. Today's project managers: more accountability and responsibility

This past year has reminded us that we need to be prepared for the unexpected – and capable of adapting. Your project managers need to listen, learn, experiment and embrace innovation to complete projects. Stricter budgets and tighter timelines drive the increased demand for efficiency and beyond, so project managers need to be more accountable, deliberate, and technologically savvy to get your projects where they need to be.

8. Client experience remains pivotal.

The client experience – that is, your experience in partnership with A/E firms – continues to be a top priority. Communities are selecting partners to lead their projects who are committed to collaboration, trust, transparency, and exceptional service – understanding how important these traits are to project success.

By Mark Broses, Benita Crow, Paul Wella

Contributed by Mr. Shivam Shukla

Source: <https://www.sehinc.com/news/8-trends-architecture-and-engineering-2021>

Management lessons from India's Australian Tour

This article is an excerpt written by Mr. Anil Swarup on India's Historic victory. There are many lessons from the team's victory against Australia, but this is the best one: Send the boss on leave, to get the best out of the team.”

It was indeed an incredible triumph. The Indian team had lost most of the frontline bowlers and the star batsman, Virat Kohli. Despite an abysmal performance in the first Test, being shot out for their lowest



ever total and being battered and bruised thereafter, India went on to win the Border-Gavaskar Trophy. There are huge lessons for all, especially the managers/leaders from this victory.

Perhaps the most significant lesson coming out of this visit was the never-say-die spirit. The team never lost hope despite the reversal at Adelaide. What really stood out was the reaction of the stand-in captain, Ajinkya Rahane when asked about being bowled out for 36 runs in the second innings of the Test. He stated that they were looking ahead and not behind. They learned from the mistakes made and stayed positive. It is difficult



to pull yourself up after such a reversal and required a lot of character. There is no point in brooding over what has already happened. The Indian team management, including the Chief Coach, Ravi Shastri made a conscious decision to

leave the past behind and conveyed this to other team members in no uncertain terms.

They stayed positive even in the most adverse set of circumstances and focused on the present.

The other attribute that helped the team succeed was the management's ability to make the best use of available resources. They were never found cribbing over what they didn't have and concentrated on making the best use of available resources. Even when Bumrah, Jadeja, Ashwin and Shammi were injured, the management reposed faith in the likes of Mohammed Siraj, Shardul Thakur, Nataraj and Sundar Washington who had virtually no experience as compared to their adversaries. And, what a stunning performance they came up with!

In a way, they also proved that no one, including Virat, was indispensable. Ravindra Jadeja replaced Virat in the second Test. India went on to win at Melbourne after the disaster at Adelaide, riding on all-round performance of Jadeja. He too got injured during the Third Test while India salvaged a hard-fought draw that left the series open. The resilience, forbearance and never-say-die spirit of the team was in evidence throughout the series but who can forget the two injured "warriors" in the form of Ashwin and Hanuma Vihari who batted through the final hours of the Third Test to salvage a draw when all seemed to have been lost. They were handicapped on account of their injuries yet they managed to handle all the salvos that were thrown at them.

And, when we talk of warriors, who could be better than Cheteshwar Pujara whose monk-like demeanor was a true reflection of his persona. He was unflinching and took blows after blows on his body (and his psyche on account of his critics) but did not give up. When his character got tested during the crisis, he let his resilience get reflected in his batsmanship that would have made Rahul Dravid proud. The Australians found it difficult to breach this "second-wall". A leader must lead from the front. Ajinkya Rahane demonstrated this through a scintillating yet measured century at Melbourne. This indeed was the turning point of the series. Here was a leader demonstrating to his team that the best attack in the world could be tackled on their home turf as well. His

brief but aggressive innings in the final Test at the “Gabbatoir” clearly conveyed that the chase was on.

Ajinkya demonstrated that a leader need not be verbose to motivate the team. He did this by setting the example. He and the team management thought out-of-the-box in the context of team selection (going with a five-bowler attack despite having lost the first Test), planning and innovative field placements (the leg-side trap for Australia’s most dangerous batsman, Steve Smith), re-arranging the batting/bowling order as per the need of the hour (promoting Rishabh Pant during the Third and the Fourth Tests, and bowling Ashwin in the first ten overs during the second Test) were all master-strokes that unsettled the Australians.



The management studied each of the adversary at length and worked on their

weakness. There was a clear definition of the role of each member of the team and they were given space to think, strategize and perform.

While Australians were busy doing all the talking (though Tim Paine subsequently apologized for his unsavory chatter behind the stumps), the Indians preferred to let their bat do the talking.

The series also proved that hubris could prove one’s undoing as the overconfident Australian team and some of the former Australian captains discovered to their dismay. Many of them had written-off the Indian team after the first Test but they had to eat a humble pie.

It was indeed a historic series win for India but provided excellent material for a case study in management.

By Anil Swarup

Contributed by Dr. Massiyuddin Khan

Source:<https://www.cnbctv18.com/views/management-lessons-from-indian-cricket-teams-australian-tour-8223241.htm>

FE Orientation Program 2021

An Orientation program was organized by Department of Applied Science and Humanities for the new entrants on 1st and 2nd February 2021. In view the pandemic situation the Program was conducted in 4 sessions in order to avoid crowd and to maintain social distance. The morning session was scheduled at 9:15 am and afternoon session was scheduled on 2:45 on both the days. The College provided Bus facility to



Parents and students for attending the sessions. The entire program was organized and convened by Ms. Neha Shah, Mr. Nitish Chaubey and Dr. Teena Trivedi

The objective was to build a network of resources that will help new students and parents to start their journey in Universal

College of Engineering on the right path. The program began with registration and an average of 50 students along with their parents reported for the Orientation program in all of the four scheduled sessions. All participants, both parents and students were requested to assemble in the library following the registration process.



They were formally welcomed, following which the gathering was addressed by Campus Director, Dr. Jitendra. B. Patil. It was an informative as well as motivating session where the participants were acquainted with the rules and regulation and other disciplinary matters of the Institution. He also gave few tips on being a good student and achieving success in an engineering career.

Head of the Department Mr. Shivam Shukla had presented introductory session of unique selling proposition and building brand of Applied Science and Humanities



department. He informed students about the various achievements of previous first year students and encouraged the audience to grab every opportunities of development that come their way.

Finally, parents and students were requested to give their feedback regarding the session.

The Orientation Program ended with vote of thanks and National Anthem followed by a Refreshment.

Report by Dr. Teena Trivedi

Edited and compiled by Marina Thomas.

Send Your Articles and feedbacks to ucoeashtag@gmail.com

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