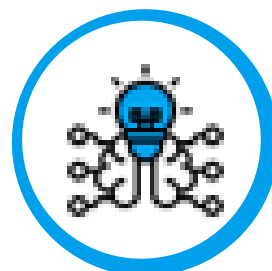




Edunet Foundation
in collaboration with
Awadhesh Pratap Singh University, Rewa,
Organizes FDP on
Enabling the professional development of faculty
on **Artificial Intelligence**



TechSaksham Faculty Development Program Benefits

for participating institutions and faculty members



Access to comprehensive and in-depth knowledge on key technologies through experiential learning



Regular updates and hands-on knowledge on latest technology developments in AI and CC, challenges, opportunities, and current industry trends



Tips to effectively integrate technology into the teaching and learning process



Constant support and mentoring from Microsoft and SAP towards continuing learning journey and completion certificate from Microsoft & SAP



Sustainable ecosystem for faculty to become "Leaders of Change"



Opportunities to leverage open-source technical tools, frameworks, and other packages to integrate in classroom teaching

Leaders of Change

- Strengthen technical skills by continuous learning through Microsoft and SAP e-learning platforms and certifications
- Top 50 faculty members will be recognized as "TechSaksham Ambassadors" at National level on scoring maximum leader of change points.
- Every faculty member will be recognized as "The Leader of Change/Program Champion" at regional level on successful completion of at-least two democratizing sessions at their respective colleges/institutions.
- Access to and support of Tech Saksham LMS will be provided to all the faculty members to conduct activities, submit feedback, and obtain details.
- Institutes will be selected as a regional Nodal Centres, which would enhance college visibility as a result of an increase in footfall for events in TS program.

Attend Live sessions

- Faculty Registration on our Learning Platform
- Experiential Learning

Certification

- Project Activities
- Assessment

Leader of change

- Deliver Seminars
- Bootcamps
- Workshops

The
TechSaksham
Ambassador

Eligibility & Mode of Training

- 70% attendance is mandatory for obtaining the e-certificate for FDP
- Submission of pre-assessment and post-assessment is mandatory for obtaining the certificate for FDP
- Any faculty from Govt./Govt aided/ college/ University, Pvt. engineering college interested in the relevant theme of the training.
- Faculty from Computer Science, Computer applications, Information Technology, Electronics, and related streams would be ideal candidates for the program.
- Faculty must have access to computer/laptop with an internet connection to participate in the Full time and guest faculty from Computer Science, Information Technology, Electronics, and related streams and can participate.
- Faculty must have access to a computer/laptop with an internet connection to actively participate in the program for 3-4 hours in duration per day
- All registered participants will receive confirmation and the details for each day in advance.
- The proposed schedule for the FDP sessions is as under for consideration

TechSaksham FDP proposed Timetable

Sr. No	Dates	Time	Topic	Mode
1	7 th Apr'22	2:30AM - 5:30PM	AI	Online
2	8 th Apr'22	2:30AM - 5:30PM	AI	Online
3	9 th Apr'22	2:30AM - 5:30PM	AI	Online
4	10 th Apr'22	2:30AM - 5:30PM	AI	Online

Session plan

Sl. No.	Topic Description	Duration(Min.)
1.	<p>Introduction to Artificial Intelligence</p> <ul style="list-style-type: none"> History of AI and Market Trends Introduction to AI and ML Types of Machine Learning – Supervised, Unsupervised, Reinforcement Learning, Semi Supervised Image Recognition using Microsoft Lobe Python Basics – Variables, Data types and Libraries NumPy with Matplotlib Basics <p>Take Home Activity:</p> <ul style="list-style-type: none"> Data Visualization using Matplotlib 	180
2.	<p>Exploratory Data Analysis and Supervised Learning</p> <ul style="list-style-type: none"> Pandas Data Frame and Series Data Analysis using Pandas Linear Regression using Ordinary Least Square Azure ML Studio Basics Linear Regression Model using Azure ML Studio <p>Take Home Activity:</p> <ul style="list-style-type: none"> Create Multi Linear Regression Model 	180
3.	<p>Classification and Text Analytics</p> <ul style="list-style-type: none"> Naïve Bayes Algorithm Count Vectorizer Spam Ham Classifier using Naïve Bayes Concept of Lexicons for Sentiment Analysis Vader Sentiment Analyzer <p>Take Home Activity:</p> <ul style="list-style-type: none"> Create a Logistic Regression model on Azure ML Studio 	180
4.	<p>Deep Learning</p> <ul style="list-style-type: none"> Neural Networks – Neurons, Loss Functions, Weights Gradient Descent and Backpropagation Computer Vision basics and Image Processing Digit Recognizer using MNIST Dataset <p>Take Home Activity:</p> <ul style="list-style-type: none"> Create a simple CNN model for Image Classification <p>Pedagogy and Design Thinking</p> <ul style="list-style-type: none"> Innovations in Artificial Intelligence using Design Thinking Microsoft Pedagogical tools for making learning more accessible. Assessment and reflections 	180



About Microsoft

Founded in 1975, Microsoft (Nasdaq "MSFT" @microsoft) is the leading platform and productivity company for the mobile-first, cloud-first world, and its mission is to empower every person and every organization on the planet to achieve more. Microsoft set up its India operations in 1990. Today, Microsoft entities in India have over 10,000 employees, engaged in sales and marketing, research, development, and customer services and support, across 11 Indian cities – Ahmedabad, Bangalore, Chennai, New Delhi, Gurugram, Noida, Hyderabad, Kochi, Kolkata, Mumbai, and Pune. Microsoft offers its global cloud services from local data centers to accelerate digital transformation across Indian start-ups, businesses, and government organizations.



About SAP

SAP India is the fastest growing subsidiary of SAP SE, the world's leading provider of business software solutions. SAP India began its operations in 1996 with headquarters in Bangalore and offices in Mumbai, New Delhi, Kolkata, and a direct presence in nine cities across India, besides having marketing associates in Sri Lanka and Bangladesh. Declared as the 'Hub of the year in the Asia Pacific and Japan' in 2007, SAP India witnessed an unprecedented growth of over 100% both in terms of license revenue and customer acquisition.



About Edunet Foundation

Edunet Foundation (EF) promotes youth skilling, innovation, and entrepreneurship. It works with top global technology companies and Indian multinationals to further its goals. It has been working across the education spectrum – with government agencies, colleges, and schools around India – to help prepare our future workforce for future careers. Edunet Foundation enjoys "Special Consultative Status" with the Economic and Social Council at the United Nations. Edunet Foundation was recently certified as a "Great Place To Work", by the Great Place To Work Institute, the global entity that evaluates workplaces on key criteria such as credibility, respect, fairness, pride, and ca ma raderie.



APS University Rewa

edunet
foundation

Website: www.techsaksham.org

Email: info@techsaksham.org

LinkedIn: <https://www.linkedin.com/company/edunetfoundation>

Instagram: <https://www.instagram.com/edunetfoundation/>

Facebook: <https://www.facebook.com/edunetfoundation>

Twitter: <https://twitter.com/EdunetF>

Register now: <http://bitlyws/kfSS>

Memorandum of Understanding

This Memorandum of Understanding is entered on 23/11/21 ("Effective Date") by and between **Edunet Foundation** having its office at A-11- 1105, Arcadia South City 2, Gurgaon 122018, India (hereinafter referred to as "Edunet"); and,

A.P.S. University, Rewa
Sixmax Road, Rewa having its address

_____ (hereinafter referred to as "Institution").

Whereas, Edunet is a non-profit organization with multiple programs, sponsored by government and corporate entities, that are offered free to learners across the education spectrum, including but not limited to the Tech Saksham Program (www.techsaksham.org).

Whereas, Institution is a premier institution with the following details:

Established (year):	20th July, 1968
Recognition, NAAC rating, ranking:	B
Vision:	To be premier institution, that offers teaching & learning program of best quality

And whereas, the Parties seek to collaborate with each other to mutually complement their synergies and to jointly work on building capacity of learners through one or more of the programs managed by Edunet.

Now therefore, this **Memorandum of Understanding** (hereinafter called "**MOU**") witnesses the following.

- Term and termination:** This MOU is valid for an initial term of 5 years from the Effective Date. It can be extended by further periods, as agreed to by the Parties from time to time. Either Party may terminate this MOU by giving the other minimum 30 days' notice. The MOU will be deemed terminated at _____ the end of the notice period or after completing all ongoing activities so that the beneficiaries (learners and teachers) are not negatively impacted, whichever is later.
- Non-binding nature of this MOU:** The MOU is not binding on either Party and each is working with the other out of sheer good-will and for the benefit of the learners.
- Each Party is responsible for its own costs:** Both the Institution and Edunet will independently manage their cost towards fulfilment of obligations under this MOU.
- Single Point of Contact (SPOC) for program co-ordination:** Both the Parties shall appoint a _____ suitable person who will serve as a single point of contact on all matters related to program rollout. Individual learners and teachers may be in touch with corresponding trainers, mentors, advisors and peers during program rollout but all matters related to the execution of this MOU shall reside with the SPOC.
- Society for Inclusive Education (SIE):** This is a student led initiative managed and supported by Edunet, that seeks to provide ubiquitous high quality learning opportunities to underserved

communities through government and private schools/colleges around India. The Institute will set up a chapter of Society for Inclusive Education on its campus. This chapter will make Edunet programs available to local underserved institutions and/or student communities through community work, classroom sessions, fund raisers to purchase equipment and free learning platforms. Office bearers will be chosen by the Institute in the first year. They may be either nominated or elected second years. The SIE chapter will have members from within the local student community who are willing to contribute some time towards betterment of society. All members of SIE chapter at the Institution will be issued with appropriate certification that will help them meet their CAS/Community Work/SUPW requirements.

6. **Program Calendar:** The SPOCs from both Parties will work with their respective internal stakeholders to develop a calendar for the program(s) rollout at the start of every quarter. This calendar will then be synchronized and published for use by everyone.

7. **Responsibilities of Edunet and/or its program sponsors/partners:**

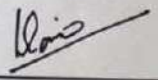
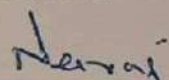

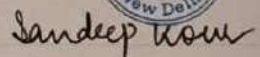
- a. **Orientation sessions:** Edunet will conduct orientation sessions for learners and educators, at a mutually agreed schedule, to onboard them onto the program(s).
- b. **Program materials:** Edunet will share all program materials with the institution and/or learners as required. All sharing will be online and/or through electronic media.
- c. **Face to face, instructor led sessions:** For learners in the Tech Saksham Program, face to face ILT sessions will be organized on campus and will be delivered by Edunet Trainers to program beneficiaries.
- d. **Online instructor led sessions:** These sessions may take the form of webinars or mentoring workshops or technology bootcamps or innovation camps or career readiness workshops that will seek to assist learners in their career goals. These programs will be organized regular as per a regular calendar, published online and will be conducted by Edunet team members or program sponsors or external stakeholders as appropriate.
- e. **Interaction with Industry experts:** Edunet will bring industry experts to the Institute to drive engagements with students through seminars/webinars or project mentorship.
- f. **Online platform availability:** Online platforms for each of the programs of interest to the Institution will be made available to it. Links for these platforms will be made available to the Institution in a timely manner.
- g. **Assessments:** Edunet will conduct assessments, as required, for its programs prior to certification by Edunet and/or its industry partners and/or participating government agencies.
- h. **For programs with career paths:** Edunet will provide linkages with local and regional industry, government and the local start-up ecosystem (incubator setc) that will help learners with gainful employment and/or entrepreneurial opportunities. Interactions will be encouraged in terms of classrooms sessions, workshops, internship opportunities, career opportunities and entrepreneurship opportunities.
- i. **SIE support:** Edunet will support the SIE chapter in the Institute with all support required. A separate program manual and guidelines will be sent to the SPOC.
- j. **Updates:** Edunet will keep Institution management updated with the progress of the program(s).

8. **Responsibilities of Institution:**

- a. **Learner identification:** Institute will identify learners, volunteers and instructors who may participate in one or more programs offered by Edunet.
- b. **Support with orientation sessions:** Institute will support Edunet conduct orientation session for all stakeholders.
- c. **Publication of program calendars and goals:** Institute will publish, on a quarterly basis, a program calendar for all its participants.

- d. **Support with computers labs and classrooms:** Institute will make its labs available to learners. It will make classrooms and/or audio-visual equipment available for face to face sessions, whenever required.
- e. **Support with attendance:** Institute will ensure that program participants enthusiastically participate in chosen programs, with minimum attendance as agreed between the Parties.
- f. **Support with assessments:** Institute will ensure that assessments carried on site are proctored and professionally managed.
- g. **SI Chapter:** The Institute will support the SI Chapter, led by its students, to the extent possible.
- h. **No fees:** Institute will not charge any extra fees from learners for participation in Edunet programs.

IN WITNESS WHEREOF, the parties hereto have executed this MOU on the Effective Date.

For Institution	For Edunet Foundation
	
Name: _____	Name: NEERAJ BAGGA
Designation: Registrar	Designation: TRUSTEE
Institution: B.S. University B.S. (M. P.)	 



Department of Computer Science
Awadhesh Pratap Singh University,
Rewa (M.P.)

Infosys[®]
BPM

Online Faculty Development Program on
Global Business Foundation Skills

18th OCT, 2021 - 29th OCT, 2021



Chief Guest

Dr. Rajkumar Acharya
Vice-Chancellor
A.P.S. University, Rewa (M.P.)



Special Guest

Prof. Surendra Singh
Registrar
A.P.S. University, Rewa (M.P.)

Key Trainers From Infosys BPM



Dr. Lakshmi D Chand
Trainer
Facilitation Skills Workshop



Latha Hemanth
Trainer
Language Enhancement Workshop



Snehal Doshi
Trainer
Quantitative Aptitude and
Analytical Skills

Organizing Committee



Prof. Rakesh Kumar Katare
Head
Dept. of Computer Science
A.P.S. University, Rewa (M.P.)



Prof. Navita Shrivastava
Convener, FDP
Dept. of Computer Science
A.P.S. University, Rewa (M.P.)

Please join us for Inaugural Session: 18th October, 2021, 8:30AM

Through Google Meet Link- <http://meet.google.com/hbv-nzdt-cbs>

Important Information:

- Inaugural session will be followed by Technical Sessions. Only registered participants are allowed to attend Technical sessions.
- The workshop is divided into 3 modules:
 - Facilitation Skills: 18th and 19th October**
 - Language Enhancement: 20th to 22nd October and 25th October**
 - Quantitative Aptitude & Analytical skills: 26th to 29th October**
- Registered participants need to login with their registered name and should be available online 15 minutes before the session starts.
- Attendance of all registered participants on all days is mandatory. Registered Participants with 100% attendance only will be given participatory certificates, reference material and other books. Participants will need to be present throughout the session to be marked present.
- Registered Participants are advised to keep a notebook/ rough sheets and pen with them during the training.
- Trainer will give participants individual/group assignments. Participants are requested to complete them on time.
- Participants may have to use some of the online tools as part of the workshop. Eg: Mentimeter, Quizziz, Padlet, Wakelet, Linoit etc. Participants are advised to download these apps for their ease.
- Participants are advised to follow trainer's instructions and be participative in all the sessions.
- In case of any difficulty contact convenor of FDP.

Department of Computer Science

Awadhesh Pratap Singh University, Rewa(M.P.)

FDP Certificate, Books and All Study materials

S No	Name	Signature
1	Dr. Krishna Kumar Verma	for Sunil Tiwari
2	Dr. Aarti Pandey	
3	Dr. Anand Singh	
4	Dr. Anurag Tiwari	
5	Dr. Arvind Kumar Tripathi	for Arvind Kumar Tripathi
6	Dr. Arvind Kumar Tripathi	
7	Dr. Ashish Pandey	
8	Dr. Jagmeet Kaur	
9	Dr. Jitendra Kumar Tripathi	
10	Dr. Pragya Dwivedi	for Dr. Pragya Dwivedi
11	Dr. Raj Kishore Tiwari	for Dr. Raj Kishore Tiwari
12	Dr. Sandhya Singh Baghel	for Dr. Sandhya Singh Baghel
13	Dr. Sunil Tiwari	for Dr. Sunil Tiwari
14	Dr. Usha Tiwari	for Dr. Usha Tiwari
15	Dr. Vivek Tiwari	for Dr. Vivek Tiwari
16	Dr. Shivendra Kumar Dwivedi	for Dr. Shivendra Kumar Dwivedi
17	Dr. Smriti Shukla	for Dr. Smriti Shukla
18	Ajeet Mishra	for Ajeet Mishra
19	Brajendra Singh	for Brajendra Singh
20	Deepak Kumar Singraul	for Deepak Kumar Singraul
21	Chandra Shekhar Gautam	for Chandra Shekhar Gautam
22	Indranil Das	for Indranil Das
23	Kriuna Kumar Jaiswal	for Kriuna Kumar Jaiswal
24	Neha Singh	for Neha Singh
25	Pankaj Kumar Patel	for Pankaj Kumar Patel
26	Pankaj Singh	for Pankaj Singh
27	Rupam Yadav	for Rupam Yadav
28	Sanjay Dwivedi	for Sanjay Dwivedi
29	Satish Patel	for Satish Patel
30	Shrinivash Premikar	for Shrinivash Premikar
31	Surya Prakash Pandey	for Surya Prakash Pandey

14/01/22
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12/3/2022

Department of Computer Science

Awadhesh Pratap Singh University, Rewa(M.P.)

FDP Certificate, Books and All Study materials

S. No	Name	Signature
✓1	Dr. Krishna Kumar Verma	for Sunil Tiwari
✓2	Dr. Aarti Pandey	Aarti
✓3	Dr. Anand Singh	Anand
✓4	Dr. Anurag Tiwari	Anurag
5	Dr. Arvind Kumar Tripathi	for Arvind Kumar Dwivedi
✓6	Dr. Arvind Kumar Tripathi	Arvind
✓7	Dr. Ashish Pandey	Ashish
✓8	Dr. Jagjeet Kaur	Jagjeet Kaur
✓9	Dr. Jitendra Kumar Tripathi	Jitendra
10	Dr. Pragya Dwivedi	for Pragya Dwivedi
✓11	Dr. Raj Kishore Tiwari	Raj Kishore Tiwari
✓12	Dr. Sandhya Singh Baghel	Sandhya Singh Baghel - 12/1/2022
✓13	Dr. Sunil Tiwari	Sunil Tiwari
✓14	Dr. Usha Tiwari	Usha Tiwari
✓15	Dr. Vivek Tiwari	for Vivek Tiwari
✓16	Dr. Shivendra kumar Dwivedi	Shivendra Dwivedi
✓17	Dr. Smriti Shukla	for Dr. Arun
18	Ajeet Mishra	Ajeet
✓19	Brajendra singh	Brajendra
✓20	Deepak Kumar Singraul	Deepak
✓21	Chandra Shekhar Gautam	Chandra Shekhar Gautam - 10/1/2022
✓22	Indraneel Das	Indraneel Das - 12/1/22
✓23	Krisna Kumar Jaiswal	Krisna Kumar Jaiswal
✓24	Neha Singh	for - Sunil Tiwari
25	Pankaj Kumar Patel	Pankaj Patel
✓26	Pankaj Singh	Pankaj Singh
✓27	Rupam Yadav	Rupam
28	Sanjay Dwivedi	Sanjay
29	Satish Patel	Satish Patel
✓30	Shrinivash Premikar	Shrinivash Premikar - 9/1/22
✓31	Surya Prakash Pandey	Surya Prakash Pandey - 11-01-22